



Corporate Average Fuel Economy Standards
Passenger Cars and Light Trucks
Model Years 2017-2025

Draft Environmental Impact Statement

Appendices

November 2011

Docket No. NHTSA-2011-0056



APPENDIX A

U.S. Passenger Car and Light Truck Results Reported Separately

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A.1 Air Quality

A.1.1 Direct and Indirect Impacts, Analysis A

Table A.1.1-1. Nationwide Criteria Pollutant Emissions in 2021 from U.S. Passenger Cars and Light Trucks, by Vehicle Emissions Type by Alternative (tons/year), Analysis A^a

Pollutant and Source	Alternative 1	Alternative 2	Alternative 3	Alternative 4
	No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Carbon monoxide (CO)				
Cars Tailpipe	5,789,283	5,801,779	5,805,431	5,800,220
Cars Upstream	29,604	28,910	28,416	27,927
Car Subtotal	5,818,887	5,830,689	5,833,847	5,828,147
Trucks Tailpipe	9,725,304	9,742,086	9,744,143	9,716,722
Trucks Upstream	40,287	39,259	39,112	37,702
Truck Subtotal	9,765,591	9,781,345	9,783,255	9,754,424
Total	15,584,478	15,612,034	15,617,102	15,582,571
Nitrogen oxides (NO_x)				
Cars Tailpipe	246,565	247,220	248,267	248,837
Cars Upstream	96,971	94,697	93,065	90,799
Car Subtotal	343,536	341,917	341,332	339,635
Trucks Tailpipe	821,974	822,783	822,756	829,792
Trucks Upstream	132,729	129,364	128,881	124,128
Truck Subtotal	954,703	952,147	951,638	953,920
Total	1,298,240	1,294,064	1,292,970	1,293,556
Particulate matter (PM_{2.5})				
Cars Tailpipe	11,791	11,821	11,825	11,803
Cars Upstream	10,873	10,616	10,430	10,205
Car Subtotal	22,664	22,437	22,255	22,009
Trucks Tailpipe	20,103	20,154	20,162	20,043
Trucks Upstream	14,801	14,422	14,368	13,820
Truck Subtotal	34,903	34,576	34,530	33,863
Total	57,567	57,013	56,785	55,872
Sulfur dioxide (SO₂)				
Cars Tailpipe	10,145	9,899	9,702	9,367
Cars Upstream	55,612	54,309	53,398	53,080
Car Subtotal	65,757	64,208	63,100	62,446
Trucks Tailpipe	13,782	13,422	13,374	12,707
Trucks Upstream	75,144	73,216	72,940	70,425
Truck Subtotal	88,926	86,639	86,314	83,132
Total	154,683	150,847	149,413	145,578

Table A.1.1-1. Nationwide Criteria Pollutant Emissions in 2021 from U.S. Passenger Cars and Light Trucks, by Vehicle Emissions Type by Alternative (tons/year), Analysis A^a (continued)

Pollutant and Source	Alternative 1	Alternative 2	Alternative 3	Alternative 4
	No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Volatile organic compounds (VOCs)				
Cars Tailpipe	242,927	243,184	243,336	243,333
Cars Upstream	149,848	146,163	142,989	137,880
Car Subtotal	392,775	389,347	386,325	381,213
Trucks Tailpipe	720,933	721,233	721,245	721,808
Trucks Upstream	204,672	199,336	198,647	186,953
Truck Subtotal	925,606	920,569	919,892	908,761
Total	1,318,380	1,309,916	1,306,217	1,289,974

a. Emissions changes have been rounded to the nearest whole number.

Table A.1.1-2. Nationwide Criteria Pollutant Emissions in 2025 from U.S. Passenger Cars and Light Trucks, by Vehicle Emissions Type by Alternative (tons/year), Analysis A^a

Pollutant and Source	Alternative 1	Alternative 2	Alternative 3	Alternative 4
	No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Carbon monoxide (CO)				
Cars Tailpipe	6,389,132	6,426,049	6,415,747	6,281,481
Cars Upstream	32,246	30,475	29,342	30,322
Car Subtotal	6,421,378	6,456,524	6,445,089	6,311,803
Trucks Tailpipe	9,374,186	9,422,545	9,419,622	9,302,705
Trucks Upstream	40,165	37,758	37,052	35,339
Truck Subtotal	9,414,351	9,460,302	9,456,674	9,338,044
Total	15,835,729	15,916,826	15,901,763	15,649,847
Nitrogen oxides (NO_x)				
Cars Tailpipe	240,470	242,645	247,206	242,464
Cars Upstream	105,557	99,705	95,636	94,164
Car Subtotal	346,027	342,350	342,841	336,627
Trucks Tailpipe	649,175	651,615	651,708	664,952
Trucks Upstream	132,369	124,486	121,826	115,115
Truck Subtotal	781,544	776,102	773,534	780,067
Total	1,127,571	1,118,451	1,116,375	1,116,695
Particulate matter (PM_{2.5})				
Cars Tailpipe	13,575	13,653	13,594	13,244
Cars Upstream	11,839	11,181	10,725	10,780
Car Subtotal	25,414	24,834	24,319	24,024
Trucks Tailpipe	21,669	21,811	21,801	21,274
Trucks Upstream	14,754	13,866	13,583	12,842
Truck Subtotal	36,424	35,677	35,384	34,117
Total	61,838	60,511	59,703	58,141
Sulfur dioxide (SO₂)				
Cars Tailpipe	11,039	10,390	9,803	9,075
Cars Upstream	60,633	57,362	55,567	61,608
Car Subtotal	71,672	67,752	65,370	70,683
Trucks Tailpipe	13,733	12,886	12,555	11,425
Trucks Upstream	74,896	70,378	69,372	67,160
Truck Subtotal	88,628	83,264	81,928	78,585
Total	160,300	151,017	147,297	149,267

Table A.1.1-2. Nationwide Criteria Pollutant Emissions in 2025 from U.S. Passenger Cars and Light Trucks, by Vehicle Emissions Type by Alternative (tons/year), Analysis A^a (continued)

Pollutant and Source	Alternative 1	Alternative 2	Alternative 3	Alternative 4
	No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Volatile organic compounds (VOCs)				
Cars Tailpipe	210,881	211,671	211,809	209,313
Cars Upstream	163,065	153,255	143,227	132,838
Car Subtotal	373,947	364,926	355,036	342,151
Trucks Tailpipe	587,130	588,073	588,058	587,269
Trucks Upstream	204,075	191,493	186,594	166,209
Truck Subtotal	791,206	779,566	774,651	753,478
Total	1,165,152	1,144,492	1,129,687	1,095,629

a. Emissions changes have been rounded to the nearest whole number.

Table A.1.1-3. Nationwide Criteria Pollutant Emissions in 2040 from U.S. Passenger Cars and Light Trucks, by Vehicle Emissions Type by Alternative (tons/year), Analysis A^a

Pollutant and Source	Alternative 1	Alternative 2	Alternative 3	Alternative 4
	No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Carbon monoxide (CO)				
Cars Tailpipe	8,886,939	9,018,743	8,816,854	7,620,105
Cars Upstream	42,518	38,019	36,135	43,436
Car Subtotal	8,929,457	9,056,762	8,852,989	7,663,541
Trucks Tailpipe	9,884,860	10,077,197	10,013,915	9,462,230
Trucks Upstream	44,895	38,993	36,524	34,866
Truck Subtotal	9,929,755	10,116,190	10,050,440	9,497,096
Total	18,859,212	19,172,953	18,903,428	17,160,637
Nitrogen oxides (NO_x)				
Cars Tailpipe	316,346	325,234	339,928	288,342
Cars Upstream	139,089	123,743	113,849	118,238
Car Subtotal	455,435	448,977	453,777	406,580
Trucks Tailpipe	415,996	425,636	427,631	446,492
Trucks Upstream	147,943	128,621	118,939	109,144
Truck Subtotal	563,940	554,258	546,569	555,636
Total	1,019,375	1,003,234	1,000,346	962,216
Particulate matter (PM_{2.5})				
Cars Tailpipe	20,216	20,453	19,698	17,159
Cars Upstream	15,609	13,900	12,903	14,329
Car Subtotal	35,825	34,353	32,601	31,488
Trucks Tailpipe	29,322	29,863	29,608	27,261
Trucks Upstream	16,493	14,316	13,290	12,331
Truck Subtotal	45,814	44,179	42,897	39,591
Total	81,639	78,531	75,499	71,079
Sulfur dioxide (SO₂)				
Cars Tailpipe	14,552	12,759	10,824	8,999
Cars Upstream	80,021	72,138	71,980	103,217
Car Subtotal	94,572	84,896	82,804	112,216
Trucks Tailpipe	15,355	13,280	11,971	9,899
Trucks Upstream	83,724	72,648	69,464	70,269
Truck Subtotal	99,079	85,928	81,435	80,167
Total	193,651	170,825	164,239	192,383

Table A.1.1-3. Nationwide Criteria Pollutant Emissions in 2040 from U.S. Passenger Cars and Light Trucks, by Vehicle Emissions Type by Alternative (tons/year), Analysis A^a (continued)

Pollutant and Source	Alternative 1	Alternative 2	Alternative 3	Alternative 4
	No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Volatile organic compounds (VOCs)				
Cars Tailpipe	228,044	230,918	223,431	194,336
Cars Upstream	214,830	187,363	153,809	129,845
Car Subtotal	442,874	418,280	377,240	324,181
Trucks Tailpipe	289,593	294,253	292,623	276,492
Trucks Upstream	228,182	197,326	177,194	139,616
Truck Subtotal	517,775	491,579	469,817	416,108
Total	960,649	909,859	847,057	740,289

a. Emissions changes have been rounded to the nearest whole number.

Table A.1.1-4. Nationwide Criteria Pollutant Emissions in 2060 from U.S. Passenger Cars and Light Trucks, by Vehicle Emissions Type by Alternative (tons/year), Analysis A^a

Pollutant and Source	Alternative 1	Alternative 2	Alternative 3	Alternative 4
	No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Carbon monoxide (CO)				
Cars Tailpipe	11,675,334	11,877,154	11,609,965	9,968,409
Cars Upstream	55,611	49,780	47,429	57,388
Car Subtotal	11,730,946	11,926,935	11,657,394	10,025,797
Trucks Tailpipe	12,755,825	13,063,498	12,972,313	12,145,479
Trucks Upstream	58,014	49,998	46,571	44,595
Truck Subtotal	12,813,839	13,113,496	13,018,884	12,190,073
Total	24,544,785	25,040,431	24,676,278	22,215,870
Nitrogen oxides (NO_x)				
Cars Tailpipe	415,866	428,777	448,996	377,779
Cars Upstream	181,917	161,985	149,187	155,543
Car Subtotal	597,784	590,762	598,183	533,322
Trucks Tailpipe	524,787	539,920	543,625	567,554
Trucks Upstream	191,159	164,922	151,414	138,729
Truck Subtotal	715,946	704,842	695,038	706,283
Total	1,313,730	1,295,604	1,293,222	1,239,605
Particulate matter (PM_{2.5})				
Cars Tailpipe	26,609	26,980	25,924	22,373
Cars Upstream	20,416	18,197	16,918	18,886
Car Subtotal	47,025	45,177	42,843	41,259
Trucks Tailpipe	38,440	39,318	38,904	35,347
Trucks Upstream	21,313	18,356	16,926	15,708
Truck Subtotal	59,753	57,674	55,829	51,056
Total	106,778	102,851	98,672	92,315
Sulfur dioxide (SO₂)				
Cars Tailpipe	19,033	16,694	14,136	11,731
Cars Upstream	104,664	94,487	94,703	136,975
Car Subtotal	123,696	111,181	108,839	148,705
Trucks Tailpipe	19,846	17,027	15,185	12,411
Trucks Upstream	108,195	93,153	88,789	90,655
Truck Subtotal	128,041	110,180	103,974	103,066
Total	251,737	221,361	212,814	251,772

Table A.1.1-4. Nationwide Criteria Pollutant Emissions in 2060 from U.S. Passenger Cars and Light Trucks, by Vehicle Emissions Type by Alternative (tons/year), Analysis A^a (continued)

Pollutant and Source	Alternative 1	Alternative 2	Alternative 3	Alternative 4
	No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Volatile organic compounds (VOCs)				
Cars Tailpipe	300,503	304,951	294,353	253,669
Cars Upstream	280,981	245,112	200,661	169,186
Car Subtotal	581,484	550,063	495,014	422,856
Trucks Tailpipe	332,204	339,909	336,878	310,655
Trucks Upstream	294,872	252,953	224,565	174,200
Truck Subtotal	627,076	592,862	561,443	484,855
Total	1,208,560	1,142,925	1,056,458	907,711

a. Emissions changes have been rounded to the nearest whole number.

Table A.1.1-5. Nationwide Toxic Air Pollutant Emissions in 2021 from U.S. Passenger Cars and Light Trucks, by Vehicle Emissions Type by Alternative (tons/year), Analysis A^a

Pollutant and Source	Alternative 1	Alternative 2	Alternative 3	Alternative 4
	No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Acetaldehyde				
Cars Tailpipe	2,038	2,043	2,050	2,053
Cars Upstream	33	32	31	30
Car Subtotal	2,071	2,075	2,081	2,083
Trucks Tailpipe	4,826	4,831	4,830	4,874
Trucks Upstream	44	43	43	42
Truck Subtotal	4,870	4,874	4,874	4,915
Total	6,941	6,949	6,955	6,998
Acrolein				
Cars Tailpipe	91	91	92	93
Cars Upstream	4	4	4	4
Car Subtotal	95	95	96	97
Trucks Tailpipe	225	225	225	232
Trucks Upstream	6	6	6	6
Truck Subtotal	231	231	231	238
Total	326	326	327	335
Benzene				
Cars Tailpipe	7,404	7,411	7,409	7,404
Cars Upstream	664	648	634	611
Car Subtotal	8,068	8,059	8,043	8,015
Trucks Tailpipe	22,578	22,587	22,588	22,553
Trucks Upstream	902	878	875	824
Truck Subtotal	23,480	23,465	23,463	23,377
Total	31,548	31,524	31,506	31,392
1,3-Butadiene				
Cars Tailpipe	958	959	960	961
Cars Upstream	7	7	7	7
Car Subtotal	965	966	967	967
Trucks Tailpipe	2,592	2,594	2,594	2,598
Trucks Upstream	10	10	9	9
Truck Subtotal	2,602	2,603	2,603	2,607
Total	3,567	3,570	3,571	3,575

Table A.1,1-5. Nationwide Toxic Air Pollutant Emissions in 2021 from U.S. Passenger Cars and Light Trucks, by Vehicle Emissions Type by Alternative (tons/year), Analysis A^a (continued)

Pollutant and Source	Alternative 1	Alternative 2	Alternative 3	Alternative 4
	No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Diesel particulate matter (DPM)				
Cars Tailpipe	27	34	62	85
Cars Upstream	4,038	3,941	3,869	3,740
Car Subtotal	4,065	3,975	3,931	3,824
Trucks Tailpipe	79	85	82	347
Trucks Upstream	5,488	5,346	5,326	5,102
Truck Subtotal	5,568	5,431	5,407	5,449
Total	9,632	9,406	9,339	9,273
Formaldehyde				
Cars Tailpipe	2,037	2,045	2,066	2,082
Cars Upstream	246	240	236	228
Car Subtotal	2,283	2,285	2,302	2,310
Trucks Tailpipe	5,112	5,120	5,118	5,284
Trucks Upstream	334	326	325	312
Truck Subtotal	5,447	5,445	5,442	5,596
Total	7,729	7,731	7,745	7,906

a. Emissions changes have been rounded to the nearest whole number.

Table A.1.1-6. Nationwide Toxic Air Pollutant Emissions in 2025 from U.S. Passenger Cars and Light Trucks, by Vehicle Emissions Type by Alternative (tons/year), Analysis A^a

Pollutant and Source	Alternative 1	Alternative 2	Alternative 3	Alternative 4
	No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Acetaldehyde				
Cars Tailpipe	2,255	2,272	2,297	2,260
Cars Upstream	36	34	32	30
Car Subtotal	2,291	2,305	2,329	2,289
Trucks Tailpipe	4,210	4,227	4,227	4,307
Trucks Upstream	44	42	41	38
Truck Subtotal	4,254	4,268	4,268	4,345
Total	6,545	6,573	6,597	6,634
Acrolein				
Cars Tailpipe	99	100	105	104
Cars Upstream	5	5	4	4
Car Subtotal	104	105	110	108
Trucks Tailpipe	191	192	193	210
Trucks Upstream	6	6	6	5
Truck Subtotal	197	198	198	216
Total	301	303	308	323
Benzene				
Cars Tailpipe	6,369	6,388	6,356	6,272
Cars Upstream	723	679	636	589
Car Subtotal	7,092	7,068	6,992	6,861
Trucks Tailpipe	17,579	17,606	17,605	17,441
Trucks Upstream	899	843	821	733
Truck Subtotal	18,478	18,449	18,425	18,174
Total	25,570	25,517	25,417	25,036
1,3-Butadiene				
Cars Tailpipe	952	957	958	944
Cars Upstream	8	7	7	7
Car Subtotal	960	964	965	950
Trucks Tailpipe	2,119	2,124	2,124	2,123
Trucks Upstream	10	9	9	8
Truck Subtotal	2,129	2,134	2,133	2,131
Total	3,088	3,098	3,099	3,082

Table A.1.1-6. Nationwide Toxic Air Pollutant Emissions in 2025 from U.S. Passenger Cars and Light Trucks, by Vehicle Emissions Type by Alternative (tons/year), Analysis A^a (continued)

Pollutant and Source	Alternative 1	Alternative 2	Alternative 3	Alternative 4
	No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Diesel particulate matter (DPM)				
Cars Tailpipe	12	41	194	187
Cars Upstream	4,393	4,141	3,938	3,644
Car Subtotal	4,404	4,182	4,132	3,831
Trucks Tailpipe	56	76	82	769
Trucks Upstream	5,468	5,135	5,004	4,636
Truck Subtotal	5,524	5,211	5,086	5,406
Total	9,928	9,393	9,218	9,236
Formaldehyde				
Cars Tailpipe	2,191	2,223	2,333	2,299
Cars Upstream	268	252	241	223
Car Subtotal	2,459	2,476	2,575	2,522
Trucks Tailpipe	4,326	4,351	4,354	4,751
Trucks Upstream	333	313	305	285
Truck Subtotal	4,659	4,664	4,659	5,036
Total	7,118	7,140	7,234	7,557

a. Emissions changes have been rounded to the nearest whole number.

Table A.1.1-7. Nationwide Toxic Air Pollutant Emissions in 2040 from U.S. Passenger Cars and Light Trucks, by Vehicle Emissions Type by Alternative (tons/year), Analysis A^a

Pollutant and Source	Alternative 1	Alternative 2	Alternative 3	Alternative 4
	No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Acetaldehyde				
Cars Tailpipe	3,204	3,276	3,332	2,855
Cars Upstream	47	41	37	30
Car Subtotal	3,251	3,317	3,369	2,885
Trucks Tailpipe	3,588	3,666	3,674	3,754
Trucks Upstream	50	43	39	34
Truck Subtotal	3,638	3,709	3,713	3,789
Total	6,889	7,026	7,081	6,673
Acrolein				
Cars Tailpipe	141	149	175	144
Cars Upstream	6	6	5	4
Car Subtotal	147	154	180	148
Trucks Tailpipe	161	167	172	220
Trucks Upstream	7	6	5	5
Truck Subtotal	168	173	177	224
Total	315	327	357	373
Benzene				
Cars Tailpipe	7,455	7,505	7,033	6,173
Cars Upstream	953	831	685	575
Car Subtotal	8,408	8,337	7,718	6,748
Trucks Tailpipe	9,009	9,144	9,046	8,099
Trucks Upstream	1,005	868	778	618
Truck Subtotal	10,014	10,011	9,825	8,717
Total	18,422	18,348	17,543	15,465
1,3-Butadiene				
Cars Tailpipe	1,274	1,291	1,256	1,090
Cars Upstream	10	9	8	7
Car Subtotal	1,284	1,300	1,264	1,097
Trucks Tailpipe	1,460	1,487	1,479	1,404
Trucks Upstream	11	9	9	8
Truck Subtotal	1,471	1,496	1,488	1,411
Total	2,755	2,797	2,752	2,508

Table A.1.1-7. Nationwide Toxic Air Pollutant Emissions in 2040 from U.S. Passenger Cars and Light Trucks, by Vehicle Emissions Type by Alternative (tons/year), Analysis A^a (continued)

Pollutant and Source	Alternative 1	Alternative 2	Alternative 3	Alternative 4
	No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Diesel particulate matter (DPM)				
Cars Tailpipe	10	174	1,025	675
Cars Upstream	5,791	5,102	4,449	3,669
Car Subtotal	5,801	5,277	5,474	4,345
Trucks Tailpipe	41	121	325	2,276
Trucks Upstream	6,113	5,296	4,796	4,123
Truck Subtotal	6,154	5,417	5,122	6,399
Total	11,956	10,694	10,595	10,744
Formaldehyde				
Cars Tailpipe	3,090	3,263	3,858	3,176
Cars Upstream	353	312	275	226
Car Subtotal	3,443	3,575	4,134	3,402
Trucks Tailpipe	3,517	3,633	3,744	4,829
Trucks Upstream	372	323	293	257
Truck Subtotal	3,889	3,956	4,038	5,086
Total	7,332	7,531	8,171	8,488

a. Emissions changes have been rounded to the nearest whole number.

Table A.1.1-8. Nationwide Toxic Air Pollutant Emissions in 2060 from U.S. Passenger Cars and Light Trucks, by Vehicle Emissions Type by Alternative (tons/year), Analysis A^a

Pollutant and Source	Alternative 1	Alternative 2	Alternative 3	Alternative 4
	No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Acetaldehyde				
Cars Tailpipe	4,220	4,326	4,403	3,735
Cars Upstream	61	54	48	39
Car Subtotal	4,281	4,380	4,451	3,774
Trucks Tailpipe	4,590	4,715	4,731	4,815
Trucks Upstream	64	55	50	43
Truck Subtotal	4,654	4,771	4,781	4,858
Total	8,935	9,151	9,232	8,632
Acrolein				
Cars Tailpipe	186	197	233	190
Cars Upstream	8	7	7	5
Car Subtotal	194	204	240	195
Trucks Tailpipe	206	215	224	291
Trucks Upstream	9	8	7	6
Truck Subtotal	215	222	230	297
Total	409	426	470	492
Benzene				
Cars Tailpipe	9,821	9,906	9,245	8,050
Cars Upstream	1,246	1,087	894	749
Car Subtotal	11,067	10,993	10,140	8,799
Trucks Tailpipe	10,760	10,984	10,809	9,357
Trucks Upstream	1,299	1,112	987	771
Truck Subtotal	12,059	12,097	11,795	10,128
Total	23,126	23,090	21,935	18,928
1,3-Butadiene				
Cars Tailpipe	1,678	1,704	1,656	1,424
Cars Upstream	13	12	11	9
Car Subtotal	1,691	1,716	1,666	1,433
Trucks Tailpipe	1,832	1,875	1,862	1,739
Trucks Upstream	14	12	11	9
Truck Subtotal	1,846	1,888	1,872	1,749
Total	3,537	3,604	3,539	3,181

Table A.1.1-8. Nationwide Toxic Air Pollutant Emissions in 2060 from U.S. Passenger Cars and Light Trucks, by Vehicle Emissions Type by Alternative (tons/year), Analysis A^a (continued)

Pollutant and Source	Alternative 1	Alternative 2	Alternative 3	Alternative 4
	No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Diesel particulate matter (DPM)				
Cars Tailpipe	14	244	1,434	922
Cars Upstream	7,574	6,677	5,815	4,786
Car Subtotal	7,588	6,921	7,249	5,708
Trucks Tailpipe	52	172	530	3,316
Trucks Upstream	7,901	6,791	6,090	5,189
Truck Subtotal	7,953	6,962	6,620	8,506
Total	15,541	13,884	13,869	14,213
Formaldehyde				
Cars Tailpipe	4,071	4,318	5,142	4,176
Cars Upstream	461	408	360	295
Car Subtotal	4,533	4,726	5,502	4,472
Trucks Tailpipe	4,487	4,671	4,872	6,400
Trucks Upstream	481	414	372	324
Truck Subtotal	4,968	5,085	5,244	6,724
Total	9,501	9,811	10,747	11,195

a. Emissions changes have been rounded to the nearest whole number.

A.1.2 Direct and Indirect Impacts, Analysis B

Table A.1.2-1. Nationwide Criteria Pollutant Emissions in 2021 from U.S. Passenger Cars and Light Trucks, by Vehicle Emissions Type by Alternative (tons/year), Analysis B^a

Pollutant and Source	Alternative 1	Alternative 2	Alternative 3	Alternative 4
	No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Carbon monoxide (CO)				
Cars Tailpipe	5,793,747	5,804,888	5,811,153	5,792,711
Cars Upstream	29,508	28,849	28,303	27,959
Car Subtotal	5,823,255	5,833,737	5,839,457	5,820,670
Trucks Tailpipe	9,728,553	9,744,669	9,745,193	9,721,907
Trucks Upstream	40,167	39,228	39,057	37,572
Truck Subtotal	9,768,719	9,783,897	9,784,250	9,759,479
Total	15,591,975	15,617,633	15,623,707	15,580,149
Nitrogen oxides (NO_x)				
Cars Tailpipe	246,731	247,325	248,213	248,898
Cars Upstream	96,658	94,499	92,707	90,754
Car Subtotal	343,388	341,824	340,919	339,652
Trucks Tailpipe	822,118	822,757	822,939	829,828
Trucks Upstream	132,336	129,261	128,690	123,689
Truck Subtotal	954,454	952,019	951,628	953,517
Total	1,297,842	1,293,843	1,292,548	1,293,169
Particulate matter (PM_{2.5})				
Cars Tailpipe	11,801	11,827	11,840	11,782
Cars Upstream	10,837	10,594	10,390	10,207
Car Subtotal	22,638	22,421	22,230	21,988
Trucks Tailpipe	20,112	20,162	20,163	20,059
Trucks Upstream	14,756	14,411	14,346	13,774
Truck Subtotal	34,868	34,572	34,510	33,834
Total	57,506	56,994	56,740	55,822
Sulfur dioxide (SO₂)				
Cars Tailpipe	10,112	9,878	9,671	9,337
Cars Upstream	55,433	54,196	53,178	53,275
Car Subtotal	65,544	64,074	62,849	62,612
Trucks Tailpipe	13,741	13,415	13,349	12,676
Trucks Upstream	74,918	73,158	72,848	70,188
Truck Subtotal	88,659	86,573	86,197	82,864
Total	154,203	150,646	149,045	145,476

Table A.1.2-1. Nationwide Criteria Pollutant Emissions in 2021 from U.S. Passenger Cars and Light Trucks, by Vehicle Emissions Type by Alternative (tons/year), Analysis B^a (continued)

Pollutant and Source	Alternative 1	Alternative 2	Alternative 3	Alternative 4
	No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Volatile organic compounds (VOCs)				
Cars Tailpipe	243,075	243,299	243,475	243,278
Cars Upstream	149,360	145,853	142,603	137,376
Car Subtotal	392,434	389,152	386,078	380,654
Trucks Tailpipe	721,035	721,307	721,327	721,936
Trucks Upstream	204,059	199,258	198,257	186,559
Truck Subtotal	925,094	920,565	919,583	908,495
Total	1,317,528	1,309,717	1,305,662	1,289,149

a. Emissions changes have been rounded to the nearest whole number.

Table A.1.2-2. Nationwide Criteria Pollutant Emissions in 2025 from U.S. Passenger Cars and Light Trucks, by Vehicle Emissions Type by Alternative (tons/year), Analysis B^a

Pollutant and Source	Alternative 1	Alternative 2	Alternative 3	Alternative 4
	No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Carbon monoxide (CO)				
Cars Tailpipe	6,392,380	6,427,616	6,417,185	6,215,522
Cars Upstream	32,188	30,424	29,275	30,728
Car Subtotal	6,424,568	6,458,040	6,446,460	6,246,250
Trucks Tailpipe	9,380,192	9,427,341	9,421,361	9,315,893
Trucks Upstream	39,924	37,693	36,982	34,975
Truck Subtotal	9,420,116	9,465,035	9,458,343	9,350,868
Total	15,844,684	15,923,075	15,904,803	15,597,118
Nitrogen oxides (NO_x)				
Cars Tailpipe	240,591	242,827	247,625	241,413
Cars Upstream	105,368	99,549	95,447	94,581
Car Subtotal	345,960	342,375	343,072	335,995
Trucks Tailpipe	649,421	651,347	652,248	668,881
Trucks Upstream	131,580	124,274	121,649	114,361
Truck Subtotal	781,001	775,621	773,898	783,242
Total	1,126,960	1,117,996	1,116,970	1,119,237
Particulate matter (PM_{2.5})				
Cars Tailpipe	13,582	13,656	13,596	13,075
Cars Upstream	11,818	11,162	10,702	10,866
Car Subtotal	25,400	24,818	24,297	23,941
Trucks Tailpipe	21,686	21,828	21,803	21,306
Trucks Upstream	14,665	13,844	13,559	12,742
Truck Subtotal	36,352	35,672	35,362	34,048
Total	61,752	60,490	59,659	57,989
Sulfur dioxide (SO₂)				
Cars Tailpipe	11,019	10,371	9,781	8,981
Cars Upstream	60,525	57,258	55,412	63,195
Car Subtotal	71,544	67,630	65,193	72,175
Trucks Tailpipe	13,649	12,873	12,535	11,402
Trucks Upstream	74,443	70,259	69,191	66,046
Truck Subtotal	88,092	83,132	81,726	77,448
Total	159,636	150,762	146,919	149,624

Table A.1.2-2. Nationwide Criteria Pollutant Emissions in 2025 from U.S. Passenger Cars and Light Trucks, by Vehicle Emissions Type by Alternative (tons/year), Analysis B^a (continued)

Pollutant and Source	Alternative 1	Alternative 2	Alternative 3	Alternative 4
	No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Volatile organic compounds (VOCs)				
Cars Tailpipe	211,004	211,765	211,968	208,171
Cars Upstream	162,771	152,931	142,783	131,203
Car Subtotal	373,775	364,696	354,751	339,374
Trucks Tailpipe	587,285	588,159	588,178	588,051
Trucks Upstream	202,846	191,410	186,183	164,963
Truck Subtotal	790,131	779,569	774,361	753,014
Total	1,163,906	1,144,265	1,129,112	1,092,388

a. Emissions changes have been rounded to the nearest whole number.

Table A.1.2-3. Nationwide Criteria Pollutant Emissions in 2040 from U.S. Passenger Cars and Light Trucks, by Vehicle Emissions Type by Alternative (tons/year), Analysis B^a

Pollutant and Source	Alternative 1	Alternative 2	Alternative 3	Alternative 4
	No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Carbon monoxide (CO)				
Cars Tailpipe	8,973,724	9,092,814	8,884,220	7,387,476
Cars Upstream	39,667	35,404	33,879	41,541
Car Subtotal	9,013,391	9,128,218	8,918,099	7,429,018
Trucks Tailpipe	9,997,489	10,122,656	10,048,939	9,584,063
Trucks Upstream	40,866	37,623	35,454	33,041
Truck Subtotal	10,038,355	10,160,279	10,084,394	9,617,105
Total	19,051,746	19,288,497	19,002,492	17,046,122
Nitrogen oxides (NO_x)				
Cars Tailpipe	319,338	328,301	344,157	284,459
Cars Upstream	129,761	115,461	107,361	112,127
Car Subtotal	449,099	443,762	451,519	396,586
Trucks Tailpipe	420,528	426,089	431,882	467,135
Trucks Upstream	134,681	124,062	115,736	104,753
Truck Subtotal	555,209	550,152	547,618	571,889
Total	1,004,308	993,914	999,137	968,475
Particulate matter (PM_{2.5})				
Cars Tailpipe	20,409	20,610	19,820	16,569
Cars Upstream	14,562	12,958	12,138	13,632
Car Subtotal	34,971	33,568	31,958	30,201
Trucks Tailpipe	29,656	30,021	29,667	27,368
Trucks Upstream	15,012	13,817	12,918	11,785
Truck Subtotal	44,667	43,837	42,584	39,153
Total	79,638	77,405	74,542	69,354
Sulfur dioxide (SO₂)				
Cars Tailpipe	13,575	11,927	10,280	8,323
Cars Upstream	74,655	66,969	66,919	99,576
Car Subtotal	88,230	78,897	77,199	107,899
Trucks Tailpipe	13,973	12,842	11,666	9,654
Trucks Upstream	76,201	70,116	67,163	65,284
Truck Subtotal	90,174	82,958	78,829	74,937
Total	178,404	161,855	156,028	182,836

Table A.1.2-3. Nationwide Criteria Pollutant Emissions in 2040 from U.S. Passenger Cars and Light Trucks, by Vehicle Emissions Type by Alternative (tons/year), Analysis B^a (continued)

Pollutant and Source	Alternative 1	Alternative 2	Alternative 3	Alternative 4
	No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Volatile organic compounds (VOCs)				
Cars Tailpipe	229,966	232,520	224,730	187,764
Cars Upstream	200,420	175,068	145,666	119,265
Car Subtotal	430,386	407,587	370,396	307,029
Trucks Tailpipe	292,011	295,348	293,276	278,658
Trucks Upstream	207,688	190,993	172,074	132,614
Truck Subtotal	499,699	486,341	465,350	411,272
Total	930,085	893,929	835,746	718,301

a. Emissions changes have been rounded to the nearest whole number.

Table A.1.2-4. Nationwide Criteria Pollutant Emissions in 2060 from U.S. Passenger Cars and Light Trucks, by Vehicle Emissions Type by Alternative (tons/year), Analysis B^a

Pollutant and Source	Alternative 1	Alternative 2	Alternative 3	Alternative 4
	No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Carbon monoxide (CO)				
Cars Tailpipe	12,104,837	12,221,039	11,907,818	9,798,662
Cars Upstream	44,611	40,353	38,644	47,543
Car Subtotal	12,149,448	12,261,392	11,946,462	9,846,205
Trucks Tailpipe	13,267,695	13,286,748	13,121,622	12,410,678
Trucks Upstream	43,911	43,565	42,452	39,621
Truck Subtotal	13,311,606	13,330,312	13,164,074	12,450,299
Total	25,461,054	25,591,704	25,110,535	22,296,504
Nitrogen oxides (NO_x)				
Cars Tailpipe	431,026	441,721	462,683	378,087
Cars Upstream	145,933	131,595	122,286	127,783
Car Subtotal	576,959	573,316	584,970	505,870
Trucks Tailpipe	545,746	547,009	554,226	602,387
Trucks Upstream	144,707	143,575	138,283	124,932
Truck Subtotal	690,452	690,583	692,509	727,319
Total	1,267,412	1,263,900	1,277,478	1,233,189
Particulate matter (PM_{2.5})				
Cars Tailpipe	27,575	27,742	26,549	21,885
Cars Upstream	16,377	14,769	13,832	15,566
Car Subtotal	43,952	42,511	40,381	37,451
Trucks Tailpipe	39,965	40,020	39,267	35,706
Trucks Upstream	16,131	16,002	15,457	14,086
Truck Subtotal	56,095	56,022	54,724	49,791
Total	100,048	98,534	95,105	87,242
Sulfur dioxide (SO₂)				
Cars Tailpipe	15,268	13,596	11,673	9,397
Cars Upstream	83,962	76,333	76,489	114,447
Car Subtotal	99,229	89,928	88,162	123,844
Trucks Tailpipe	15,017	14,891	13,928	11,381
Trucks Upstream	81,884	81,233	80,647	78,869
Truck Subtotal	96,901	96,124	94,575	90,250
Total	196,130	186,052	182,737	214,094

Table A.1.2-4. Nationwide Criteria Pollutant Emissions in 2060 from U.S. Passenger Cars and Light Trucks, by Vehicle Emissions Type by Alternative (tons/year), Analysis B^a (continued)

Pollutant and Source	Alternative 1	Alternative 2	Alternative 3	Alternative 4
	No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Volatile organic compounds (VOCs)				
Cars Tailpipe	311,100	313,348	301,351	248,322
Cars Upstream	225,398	199,530	165,234	134,563
Car Subtotal	536,498	512,878	466,585	382,884
Trucks Tailpipe	344,627	345,280	340,151	315,474
Trucks Upstream	223,174	221,232	204,831	154,896
Truck Subtotal	567,801	566,512	544,982	470,370
Total	1,104,299	1,079,390	1,011,567	853,254

a. Emissions changes have been rounded to the nearest whole number.

Table A.1.2-5. Nationwide Toxic Air Pollutant Emissions in 2021 from U.S. Passenger Cars and Light Trucks, by Vehicle Emissions Type by Alternative (tons/year), Analysis B^a

Pollutant and Source	Alternative 1	Alternative 2	Alternative 3	Alternative 4
	No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Acetaldehyde				
Cars Tailpipe	2,040	2,044	2,050	2,053
Cars Upstream	33	32	31	30
Car Subtotal	2,073	2,076	2,081	2,083
Trucks Tailpipe	4,827	4,831	4,832	4,874
Trucks Upstream	44	43	43	41
Truck Subtotal	4,871	4,874	4,875	4,916
Total	6,943	6,950	6,956	6,999
Acrolein				
Cars Tailpipe	91	91	92	93
Cars Upstream	4	4	4	4
Car Subtotal	95	95	96	97
Trucks Tailpipe	225	225	225	232
Trucks Upstream	6	6	6	6
Truck Subtotal	231	231	231	238
Total	326	326	327	335
Benzene				
Cars Tailpipe	7,409	7,414	7,415	7,400
Cars Upstream	662	646	632	609
Car Subtotal	8,071	8,061	8,048	8,009
Trucks Tailpipe	22,581	22,590	22,590	22,558
Trucks Upstream	899	878	873	823
Truck Subtotal	23,481	23,468	23,463	23,381
Total	31,551	31,529	31,511	31,390
1,3-Butadiene				
Cars Tailpipe	959	960	961	960
Cars Upstream	7	7	7	7
Trucks Tailpipe	2,593	2,594	2,594	2,599
Trucks Upstream	10	10	9	9
Cars and Trucks Tailpipe	3,551	3,554	3,555	3,559
Cars and Trucks Upstream	17	17	16	16
Total	2,609	2,611	2,611	2,615

Table A1.2-5. Nationwide Toxic Air Pollutant Emissions in 2021 from U.S. Passenger Cars and Light Trucks, by Vehicle Emissions Type by Alternative (tons/year), Analysis B^a (continued)

Pollutant and Source	Alternative 1	Alternative 2	Alternative 3	Alternative 4
	No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Diesel particulate matter (DPM)				
Cars Tailpipe	27	34	55	93
Cars Upstream	4,024	3,933	3,855	3,729
Car Subtotal	4,051	3,967	3,910	3,823
Trucks Tailpipe	79	80	86	340
Trucks Upstream	5,472	5,342	5,317	5,088
Truck Subtotal	5,551	5,422	5,403	5,428
Total	9,602	9,389	9,312	9,251
Formaldehyde				
Cars Tailpipe	2,038	2,046	2,063	2,087
Cars Upstream	245	240	235	228
Car Subtotal	2,283	2,286	2,298	2,314
Trucks Tailpipe	5,113	5,118	5,121	5,281
Trucks Upstream	333	326	324	311
Truck Subtotal	5,447	5,443	5,445	5,593
Total	7,730	7,729	7,743	7,907

a. Emissions changes have been rounded to the nearest whole number.

Table A.1.2-6. Nationwide Toxic Air Pollutant Emissions in 2025 from U.S. Passenger Cars and Light Trucks, by Vehicle Emissions Type by Alternative (tons/year), Analysis B^a

Pollutant and Source	Alternative 1	Alternative 2	Alternative 3	Alternative 4
	No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Acetaldehyde				
Cars Tailpipe	2,257	2,273	2,300	2,248
Cars Upstream	36	34	32	29
Car Subtotal	2,292	2,306	2,332	2,278
Trucks Tailpipe	4,212	4,225	4,231	4,331
Trucks Upstream	44	42	41	38
Truck Subtotal	4,256	4,267	4,271	4,369
Total	6,548	6,573	6,603	6,647
Acrolein				
Cars Tailpipe	99	101	106	104
Cars Upstream	5	5	4	4
Car Subtotal	104	105	110	108
Trucks Tailpipe	191	192	193	214
Trucks Upstream	6	6	6	5
Truck Subtotal	197	198	199	219
Total	301	303	309	327
Benzene				
Cars Tailpipe	6,373	6,390	6,359	6,225
Cars Upstream	721	678	634	582
Car Subtotal	7,094	7,068	6,993	6,807
Trucks Tailpipe	17,584	17,612	17,605	17,446
Trucks Upstream	893	842	819	730
Truck Subtotal	18,477	18,455	18,424	18,176
Total	25,572	25,523	25,417	24,982
1,3-Butadiene				
Cars Tailpipe	952	957	959	937
Cars Upstream	8	7	7	6
Trucks Tailpipe	2,120	2,125	2,125	2,128
Trucks Upstream	10	9	9	8
Cars and Trucks Tailpipe	3,072	3,082	3,084	3,065
Cars and Trucks Upstream	17	16	16	15
Total	2,137	2,141	2,141	2,143

Table A.1.2-6. Nationwide Toxic Air Pollutant Emissions in 2025 from U.S. Passenger Cars and Light Trucks, by Vehicle Emissions Type by Alternative (tons/year), Analysis B^a (continued)

Pollutant and Source	Alternative 1	Alternative 2	Alternative 3	Alternative 4
	No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Diesel particulate matter (DPM)				
Cars Tailpipe	12	45	203	223
Cars Upstream	4,385	4,134	3,932	3,612
Car Subtotal	4,396	4,179	4,135	3,835
Trucks Tailpipe	56	59	99	876
Trucks Upstream	5,435	5,127	4,998	4,640
Truck Subtotal	5,490	5,186	5,097	5,517
Total	9,887	9,365	9,232	9,352
Formaldehyde				
Cars Tailpipe	2,192	2,226	2,340	2,309
Cars Upstream	267	252	241	221
Car Subtotal	2,459	2,478	2,581	2,530
Trucks Tailpipe	4,328	4,342	4,365	4,823
Trucks Upstream	331	312	305	286
Truck Subtotal	4,659	4,654	4,670	5,108
Total	7,118	7,133	7,251	7,638

a. Emissions changes have been rounded to the nearest whole number.

Table A.1.2-7. Nationwide Toxic Air Pollutant Emissions in 2040 from U.S. Passenger Cars and Light Trucks, by Vehicle Emissions Type by Alternative (tons/year), Analysis B^a

Pollutant and Source	Alternative 1	Alternative 2	Alternative 3	Alternative 4
	No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Acetaldehyde				
Cars Tailpipe	3,232	3,303	3,365	2,795
Cars Upstream	44	39	35	28
Car Subtotal	3,276	3,341	3,400	2,824
Trucks Tailpipe	3,623	3,671	3,703	3,895
Trucks Upstream	45	41	38	34
Truck Subtotal	3,668	3,712	3,741	3,929
Total	6,943	7,054	7,140	6,753
Acrolein				
Cars Tailpipe	142	150	178	146
Cars Upstream	6	5	5	4
Car Subtotal	148	156	183	150
Trucks Tailpipe	163	165	176	242
Trucks Upstream	6	6	5	5
Truck Subtotal	169	171	181	247
Total	317	327	364	397
Benzene				
Cars Tailpipe	7,518	7,553	7,056	5,912
Cars Upstream	889	777	650	528
Car Subtotal	8,407	8,330	7,706	6,441
Trucks Tailpipe	9,088	9,193	9,040	8,017
Trucks Upstream	915	840	757	594
Truck Subtotal	10,003	10,033	9,797	8,611
Total	18,410	18,363	17,503	15,051
1,3-Butadiene				
Cars Tailpipe	1,285	1,300	1,264	1,055
Cars Upstream	10	9	8	6
Trucks Tailpipe	1,474	1,493	1,484	1,421
Trucks Upstream	10	9	8	7
Cars and Trucks Tailpipe	2,759	2,793	2,748	2,476
Cars and Trucks Upstream	20	18	16	14
Total	1,494	1,510	1,500	1,435

Table A.1.2-7. Nationwide Toxic Air Pollutant Emissions in 2040 from U.S. Passenger Cars and Light Trucks, by Vehicle Emissions Type by Alternative (tons/year), Analysis B^a (continued)

Pollutant and Source	Alternative 1	Alternative 2	Alternative 3	Alternative 4
	No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Diesel particulate matter (DPM)				
Cars Tailpipe	11	194	1,099	848
Cars Upstream	5,402	4,772	4,231	3,414
Car Subtotal	5,413	4,966	5,330	4,262
Trucks Tailpipe	41	57	454	2,990
Trucks Upstream	5,563	5,115	4,684	4,073
Truck Subtotal	5,605	5,172	5,138	7,063
Total	11,017	10,138	10,468	11,325
Formaldehyde				
Cars Tailpipe	3,117	3,301	3,936	3,229
Cars Upstream	329	291	262	211
Car Subtotal	3,446	3,593	4,198	3,440
Trucks Tailpipe	3,550	3,605	3,838	5,330
Trucks Upstream	339	312	287	255
Truck Subtotal	3,889	3,917	4,124	5,585
Total	7,334	7,509	8,323	9,025

a. Emissions changes have been rounded to the nearest whole number.

Table A.1.2-8. Nationwide Toxic Air Pollutant Emissions in 2060 from U.S. Passenger Cars and Light Trucks, by Vehicle Emissions Type by Alternative (tons/year), Analysis B^a

Pollutant and Source	Alternative 1	Alternative 2	Alternative 3	Alternative 4
	No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Acetaldehyde				
Cars Tailpipe	4,370	4,451	4,526	3,709
Cars Upstream	49	44	40	32
Car Subtotal	4,419	4,495	4,566	3,741
Trucks Tailpipe	4,764	4,776	4,811	5,065
Trucks Upstream	48	48	46	40
Truck Subtotal	4,812	4,824	4,857	5,106
Total	9,231	9,319	9,423	8,847
Acrolein				
Cars Tailpipe	192	203	242	196
Cars Upstream	7	6	5	4
Car Subtotal	199	209	247	200
Trucks Tailpipe	214	215	232	329
Trucks Upstream	7	7	6	6
Truck Subtotal	221	222	238	334
Total	420	431	486	534
Benzene				
Cars Tailpipe	10,168	10,173	9,442	7,809
Cars Upstream	1,000	885	737	596
Car Subtotal	11,168	11,058	10,179	8,405
Trucks Tailpipe	11,165	11,180	10,869	9,265
Trucks Upstream	983	974	903	696
Truck Subtotal	12,148	12,155	11,772	9,961
Total	23,316	23,213	21,951	18,366
1,3-Butadiene				
Cars Tailpipe	1,737	1,752	1,696	1,397
Cars Upstream	11	10	9	7
Trucks Tailpipe	1,901	1,905	1,882	1,775
Trucks Upstream	11	11	10	9
Cars and Trucks Tailpipe	3,638	3,657	3,578	3,171
Cars and Trucks Upstream	21	20	19	16
Total	1,923	1,925	1,900	1,791

Table A.1.2-8. Nationwide Toxic Air Pollutant Emissions in 2060 from U.S. Passenger Cars and Light Trucks, by Vehicle Emissions Type by Alternative (tons/year), Analysis B^a (continued)

Pollutant and Source	Alternative 1	Alternative 2	Alternative 3	Alternative 4
	No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Diesel particulate matter (DPM)				
Cars Tailpipe	15	276	1,560	1,178
Cars Upstream	6,076	5,439	4,809	3,857
Car Subtotal	6,090	5,716	6,368	5,034
Trucks Tailpipe	54	77	747	4,468
Trucks Upstream	5,979	5,930	5,599	4,829
Truck Subtotal	6,033	6,007	6,346	9,297
Total	12,123	11,723	12,714	14,331
Formaldehyde				
Cars Tailpipe	4,215	4,458	5,339	4,312
Cars Upstream	370	332	298	239
Car Subtotal	4,585	4,790	5,637	4,550
Trucks Tailpipe	4,656	4,680	5,062	7,241
Trucks Upstream	364	361	343	304
Truck Subtotal	5,020	5,041	5,405	7,544
Total	9,605	9,831	11,042	12,095

a. Emissions changes have been rounded to the nearest whole number.

A.1.3 Cumulative Impacts

Table A.1.3-1. Nationwide Criteria Pollutant Emissions in 2021 from U.S. Passenger Cars and Light Trucks, by Vehicle Emissions Type by Alternative (tons/year), Cumulative Impacts^a

Pollutant and Source	Alternative 1	Alternative 2	Alternative 3	Alternative 4
	No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Carbon monoxide (CO)				
Cars Tailpipe	5,789,283	5,804,888	5,811,153	5,792,711
Cars Upstream	29,604	28,849	28,303	27,959
Car Subtotal	5,818,887	5,833,737	5,839,457	5,820,670
Trucks Tailpipe	9,725,304	9,744,669	9,745,193	9,721,907
Trucks Upstream	40,287	39,228	39,057	37,572
Truck Subtotal	9,765,591	9,783,897	9,784,250	9,759,479
Total	15,584,478	15,617,633	15,623,707	15,580,149
Nitrogen oxides (NO_x)				
Cars Tailpipe	246,565	247,325	248,213	248,898
Cars Upstream	96,971	94,499	92,707	90,754
Car Subtotal	343,536	341,824	340,919	339,652
Trucks Tailpipe	821,974	822,757	822,939	829,828
Trucks Upstream	132,729	129,261	128,690	123,689
Truck Subtotal	954,703	952,019	951,628	953,517
Total	1,298,240	1,293,843	1,292,548	1,293,169
Particulate matter (PM_{2.5})				
Cars Tailpipe	11,791	11,827	11,840	11,782
Cars Upstream	10,873	10,594	10,390	10,207
Car Subtotal	22,664	22,421	22,230	21,988
Trucks Tailpipe	20,103	20,162	20,163	20,059
Trucks Upstream	14,801	14,411	14,346	13,774
Truck Subtotal	34,903	34,572	34,510	33,834
Total	57,567	56,994	56,740	55,822
Sulfur dioxide (SO₂)				
Cars Tailpipe	10,145	9,878	9,671	9,337
Cars Upstream	55,612	54,196	53,178	53,275
Car Subtotal	65,757	64,074	62,849	62,612
Trucks Tailpipe	13,782	13,415	13,349	12,676
Trucks Upstream	75,144	73,158	72,848	70,188
Truck Subtotal	88,926	86,573	86,197	82,864
Total	154,683	150,646	149,045	145,476

Table A.1.3-1. Nationwide Criteria Pollutant Emissions in 2021 from U.S. Passenger Cars and Light Trucks, by Vehicle Emissions Type by Alternative (tons/year), Cumulative Impacts^a (continued)

Pollutant and Source	Alternative 1	Alternative 2	Alternative 3	Alternative 4
	No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Volatile organic compounds (VOCs)				
Cars Tailpipe	242,927	243,299	243,475	243,278
Cars Upstream	149,848	145,853	142,603	137,376
Car Subtotal	392,775	389,152	386,078	380,654
Trucks Tailpipe	720,933	721,307	721,327	721,936
Trucks Upstream	204,672	199,258	198,257	186,559
Truck Subtotal	925,606	920,565	919,583	908,495
Total	1,318,380	1,309,717	1,305,662	1,289,149

a. Emissions changes have been rounded to the nearest whole number.

Table A.1.3-2. Nationwide Criteria Pollutant Emissions in 2025 from U.S. Passenger Cars and Light Trucks, by Vehicle Emissions Type by Alternative (tons/year), Cumulative Impacts^a

Pollutant and Source	Alternative 1	Alternative 2	Alternative 3	Alternative 4
	No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Carbon monoxide (CO)				
Cars Tailpipe	6,389,132	6,427,616	6,417,185	6,215,522
Cars Upstream	32,246	30,424	29,275	30,728
Car Subtotal	6,421,378	6,458,040	6,446,460	6,246,250
Trucks Tailpipe	9,374,186	9,427,341	9,421,361	9,315,893
Trucks Upstream	40,165	37,693	36,982	34,975
Truck Subtotal	9,414,351	9,465,035	9,458,343	9,350,868
Total	15,835,729	15,923,075	15,904,803	15,597,118
Nitrogen oxides (NO_x)				
Cars Tailpipe	240,470	242,827	247,625	241,413
Cars Upstream	105,557	99,549	95,447	94,581
Car Subtotal	346,027	342,375	343,072	335,995
Trucks Tailpipe	649,175	651,347	652,248	668,881
Trucks Upstream	132,369	124,274	121,649	114,361
Truck Subtotal	781,544	775,621	773,898	783,242
Total	1,127,571	1,117,996	1,116,970	1,119,237
Particulate matter (PM_{2.5})				
Cars Tailpipe	13,575	13,656	13,596	13,075
Cars Upstream	11,839	11,162	10,702	10,866
Car Subtotal	25,414	24,818	24,297	23,941
Trucks Tailpipe	21,669	21,828	21,803	21,306
Trucks Upstream	14,754	13,844	13,559	12,742
Truck Subtotal	36,424	35,672	35,362	34,048
Total	61,838	60,490	59,659	57,989
Sulfur dioxide (SO₂)				
Cars Tailpipe	11,039	10,371	9,781	8,981
Cars Upstream	60,633	57,258	55,412	63,195
Car Subtotal	71,672	67,630	65,193	72,175
Trucks Tailpipe	13,733	12,873	12,535	11,402
Trucks Upstream	74,896	70,259	69,191	66,046
Truck Subtotal	88,628	83,132	81,726	77,448
Total	160,300	150,762	146,919	149,624

Table A.1.3-2. Nationwide Criteria Pollutant Emissions in 2025 from U.S. Passenger Cars and Light Trucks, by Vehicle Emissions Type by Alternative (tons/year), Cumulative Impacts^a (continued)

Pollutant and Source	Alternative 1	Alternative 2	Alternative 3	Alternative 4
	No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Volatile organic compounds (VOCs)				
Cars Tailpipe	210,881	211,765	211,968	208,171
Cars Upstream	163,065	152,931	142,783	131,203
Car Subtotal	373,947	364,696	354,751	339,374
Trucks Tailpipe	587,130	588,159	588,178	588,051
Trucks Upstream	204,075	191,410	186,183	164,963
Truck Subtotal	791,206	779,569	774,361	753,014
Total	1,165,152	1,144,265	1,129,112	1,092,388

a. Emissions changes have been rounded to the nearest whole number.

Table A.1.3-3. Nationwide Criteria Pollutant Emissions in 2040 from U.S. Passenger Cars and Light Trucks, by Vehicle Emissions Type by Alternative (tons/year), Cumulative Impacts^a

Pollutant and Source	Alternative 1	Alternative 2	Alternative 3	Alternative 4
	No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Carbon monoxide (CO)				
Cars Tailpipe	8,886,939	9,092,814	8,884,220	7,387,476
Cars Upstream	42,518	35,404	33,879	41,541
Car Subtotal	8,929,457	9,128,218	8,918,099	7,429,018
Trucks Tailpipe	9,884,860	10,122,656	10,048,939	9,584,063
Trucks Upstream	44,895	37,623	35,454	33,041
Truck Subtotal	9,929,755	10,160,279	10,084,394	9,617,105
Total	18,859,212	19,288,497	19,002,492	17,046,122
Nitrogen oxides (NO_x)				
Cars Tailpipe	316,346	328,301	344,157	284,459
Cars Upstream	139,089	115,461	107,361	112,127
Car Subtotal	455,435	443,762	451,519	396,586
Trucks Tailpipe	415,996	426,089	431,882	467,135
Trucks Upstream	147,943	124,062	115,736	104,753
Truck Subtotal	563,940	550,152	547,618	571,889
Total	1,019,375	993,914	999,137	968,475
Particulate matter (PM_{2.5})				
Cars Tailpipe	20,216	20,610	19,820	16,569
Cars Upstream	15,609	12,958	12,138	13,632
Car Subtotal	35,825	33,568	31,958	30,201
Trucks Tailpipe	29,322	30,021	29,667	27,368
Trucks Upstream	16,493	13,817	12,918	11,785
Truck Subtotal	45,814	43,837	42,584	39,153
Total	81,639	77,405	74,542	69,354
Sulfur dioxide (SO₂)				
Cars Tailpipe	14,552	11,927	10,280	8,323
Cars Upstream	80,021	66,969	66,919	99,576
Car Subtotal	94,572	78,897	77,199	107,899
Trucks Tailpipe	15,355	12,842	11,666	9,654
Trucks Upstream	83,724	70,116	67,163	65,284
Truck Subtotal	99,079	82,958	78,829	74,937
Total	193,651	161,855	156,028	182,836

Table A.1.3-3. Nationwide Criteria Pollutant Emissions in 2040 from U.S. Passenger Cars and Light Trucks, by Vehicle Emissions Type by Alternative (tons/year), Cumulative Impacts^a (continued)

Pollutant and Source	Alternative 1	Alternative 2	Alternative 3	Alternative 4
	No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Volatile organic compounds (VOCs)				
Cars Tailpipe	228,044	232,520	224,730	187,764
Cars Upstream	214,830	175,068	145,666	119,265
Car Subtotal	442,874	407,587	370,396	307,029
Trucks Tailpipe	289,593	295,348	293,276	278,658
Trucks Upstream	228,182	190,993	172,074	132,614
Truck Subtotal	517,775	486,341	465,350	411,272
Total	960,649	893,929	835,746	718,301

a. Emissions changes have been rounded to the nearest whole number.

Table A.1.3-4. Nationwide Criteria Pollutant Emissions in 2060 from U.S. Passenger Cars and Light Trucks, by Vehicle Emissions Type by Alternative (tons/year), Cumulative Impacts^a

Pollutant and Source	Alternative 1	Alternative 2	Alternative 3	Alternative 4
	No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Carbon monoxide (CO)				
Cars Tailpipe	11,675,334	12,221,039	11,907,818	9,798,662
Cars Upstream	55,611	40,353	38,644	47,543
Car Subtotal	11,730,946	12,261,392	11,946,462	9,846,205
Trucks Tailpipe	12,755,825	13,286,748	13,121,622	12,410,678
Trucks Upstream	58,014	43,565	42,452	39,621
Truck Subtotal	12,813,839	13,330,312	13,164,074	12,450,299
Total	24,544,785	25,591,704	25,110,535	22,296,504
Nitrogen oxides (NO_x)				
Cars Tailpipe	415,866	441,721	462,683	378,087
Cars Upstream	181,917	131,595	122,286	127,783
Car Subtotal	597,784	573,316	584,970	505,870
Trucks Tailpipe	524,787	547,009	554,226	602,387
Trucks Upstream	191,159	143,575	138,283	124,932
Truck Subtotal	715,946	690,583	692,509	727,319
Total	1,313,730	1,263,900	1,277,478	1,233,189
Particulate matter (PM_{2.5})				
Cars Tailpipe	26,609	27,742	26,549	21,885
Cars Upstream	20,416	14,769	13,832	15,566
Car Subtotal	47,025	42,511	40,381	37,451
Trucks Tailpipe	38,440	40,020	39,267	35,706
Trucks Upstream	21,313	16,002	15,457	14,086
Truck Subtotal	59,753	56,022	54,724	49,791
Total	106,778	98,534	95,105	87,242
Sulfur dioxide (SO₂)				
Cars Tailpipe	19,033	13,596	11,673	9,397
Cars Upstream	104,664	76,333	76,489	114,447
Car Subtotal	123,696	89,928	88,162	123,844
Trucks Tailpipe	19,846	14,891	13,928	11,381
Trucks Upstream	108,195	81,233	80,647	78,869
Truck Subtotal	128,041	96,124	94,575	90,250
Total	251,737	186,052	182,737	214,094

Table A.1.3-4. Nationwide Criteria Pollutant Emissions in 2060 from U.S. Passenger Cars and Light Trucks, by Vehicle Emissions Type by Alternative (tons/year), Cumulative Impacts^a (continued)

Pollutant and Source	Alternative 1	Alternative 2	Alternative 3	Alternative 4
	No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Volatile organic compounds (VOCs)				
Cars Tailpipe	300,503	313,348	301,351	248,322
Cars Upstream	280,981	199,530	165,234	134,563
Car Subtotal	581,484	512,878	466,585	382,884
Trucks Tailpipe	332,204	345,280	340,151	315,474
Trucks Upstream	294,872	221,232	204,831	154,896
Truck Subtotal	627,076	566,512	544,982	470,370
Total	1,208,560	1,079,390	1,011,567	853,254

a. Emissions changes have been rounded to the nearest whole number.

Table A.1.3-5. Nationwide Toxic Air Pollutant Emissions in 2021 from U.S. Passenger Cars and Light Trucks, by Vehicle Emissions Type by Alternative (tons/year), Cumulative Impacts^a

Pollutant and Source	Alternative 1	Alternative 2	Alternative 3	Alternative 4
	No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Acetaldehyde				
Cars Tailpipe	2,038	2,044	2,050	2,053
Cars Upstream	33	32	31	30
Car Subtotal	2,071	2,076	2,081	2,083
Trucks Tailpipe	4,826	4,831	4,832	4,874
Trucks Upstream	44	43	43	41
Truck Subtotal	4,870	4,874	4,875	4,916
Total	6,941	6,950	6,956	6,999
Acrolein				
Cars Tailpipe	91	91	92	93
Cars Upstream	4	4	4	4
Car Subtotal	95	95	96	97
Trucks Tailpipe	225	225	225	232
Trucks Upstream	6	6	6	6
Truck Subtotal	231	231	231	238
Total	326	326	327	335
Benzene				
Cars Tailpipe	7,404	7,414	7,415	7,400
Cars Upstream	664	646	632	609
Car Subtotal	8,068	8,061	8,048	8,009
Trucks Tailpipe	22,578	22,590	22,590	22,558
Trucks Upstream	902	878	873	823
Truck Subtotal	23,480	23,468	23,463	23,381
Total	31,548	31,529	31,511	31,390
1,3-Butadiene				
Cars Tailpipe	958	960	961	960
Cars Upstream	7	7	7	7
Car Subtotal	965	967	968	967
Trucks Tailpipe	2,592	2,594	2,594	2,599
Trucks Upstream	10	10	9	9
Truck Subtotal	2,602	2,604	2,604	2,608
Total	3,567	3,571	3,572	3,575

Table A.1.3-5. Nationwide Toxic Air Pollutant Emissions in 2021 from U.S. Passenger Cars and Light Trucks, by Vehicle Emissions Type by Alternative (tons/year), Cumulative Impacts^a (continued)

Pollutant and Source	Alternative 1	Alternative 2	Alternative 3	Alternative 4
	No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Diesel particulate matter (DPM)				
Cars Tailpipe	27	34	55	93
Cars Upstream	4,038	3,933	3,855	3,729
Car Subtotal	4,065	3,967	3,910	3,823
Trucks Tailpipe	79	80	86	340
Trucks Upstream	5,488	5,342	5,317	5,088
Truck Subtotal	5,568	5,422	5,403	5,428
Total	9,632	9,389	9,312	9,251
Formaldehyde				
Cars Tailpipe	2,037	2,046	2,063	2,087
Cars Upstream	246	240	235	228
Car Subtotal	2,283	2,286	2,298	2,314
Trucks Tailpipe	5,112	5,118	5,121	5,281
Trucks Upstream	334	326	324	311
Truck Subtotal	5,447	5,443	5,445	5,593
Total	7,729	7,729	7,743	7,907

a. Emissions changes have been rounded to the nearest whole number.

Table A.1.3-6. Nationwide Toxic Air Pollutant Emissions in 2025 from U.S. Passenger Cars and Light Trucks, by Vehicle Emissions Type by Alternative (tons/year), Cumulative Impacts^a

Pollutant and Source	Alternative 1	Alternative 2	Alternative 3	Alternative 4
	No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Acetaldehyde				
Cars Tailpipe	2,255	2,273	2,300	2,248
Cars Upstream	36	34	32	29
Car Subtotal	2,291	2,306	2,332	2,278
Trucks Tailpipe	4,210	4,225	4,231	4,331
Trucks Upstream	44	42	41	38
Truck Subtotal	4,254	4,267	4,271	4,369
Total	6,545	6,573	6,603	6,647
Acrolein				
Cars Tailpipe	99	101	106	104
Cars Upstream	5	5	4	4
Car Subtotal	104	105	110	108
Trucks Tailpipe	191	192	193	214
Trucks Upstream	6	6	6	5
Truck Subtotal	197	198	199	219
Total	301	303	309	327
Benzene				
Cars Tailpipe	6,369	6,390	6,359	6,225
Cars Upstream	723	678	634	582
Car Subtotal	7,092	7,068	6,993	6,807
Trucks Tailpipe	17,579	17,612	17,605	17,446
Trucks Upstream	899	842	819	730
Truck Subtotal	18,478	18,455	18,424	18,176
Total	25,570	25,523	25,417	24,982
1,3-Butadiene				
Cars Tailpipe	952	957	959	937
Cars Upstream	8	7	7	6
Car Subtotal	960	964	966	944
Trucks Tailpipe	2,119	2,125	2,125	2,128
Trucks Upstream	10	9	9	8
Truck Subtotal	2,129	2,134	2,134	2,136
Total	3,088	3,098	3,100	3,080

Table A.1.3-6. Nationwide Toxic Air Pollutant Emissions in 2025 from U.S. Passenger Cars and Light Trucks, by Vehicle Emissions Type by Alternative (tons/year), Cumulative Impacts^a (continued)

Pollutant and Source	Alternative 1	Alternative 2	Alternative 3	Alternative 4
	No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Diesel particulate matter (DPM)				
Cars Tailpipe	12	45	203	223
Cars Upstream	4,393	4,134	3,932	3,612
Car Subtotal	4,404	4,179	4,135	3,835
Trucks Tailpipe	56	59	99	876
Trucks Upstream	5,468	5,127	4,998	4,640
Truck Subtotal	5,524	5,186	5,097	5,517
Total	9,928	9,365	9,232	9,352
Formaldehyde				
Cars Tailpipe	2,191	2,226	2,340	2,309
Cars Upstream	268	252	241	221
Car Subtotal	2,459	2,478	2,581	2,530
Trucks Tailpipe	4,326	4,342	4,365	4,823
Trucks Upstream	333	312	305	286
Truck Subtotal	4,659	4,654	4,670	5,108
Total	7,118	7,133	7,251	7,638

a. Emissions changes have been rounded to the nearest whole number.

Table A.1.3-7. Nationwide Toxic Air Pollutant Emissions in 2040 from U.S. Passenger Cars and Light Trucks, by Vehicle Emissions Type by Alternative (tons/year), Cumulative Impacts^a

Pollutant and Source	Alternative 1	Alternative 2	Alternative 3	Alternative 4
	No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Acetaldehyde				
Cars Tailpipe	3,204	3,303	3,365	2,795
Cars Upstream	47	39	35	28
Car Subtotal	3,251	3,341	3,400	2,824
Trucks Tailpipe	3,588	3,671	3,703	3,895
Trucks Upstream	50	41	38	34
Truck Subtotal	3,638	3,712	3,741	3,929
Total	6,889	7,054	7,140	6,753
Acrolein				
Cars Tailpipe	141	150	178	146
Cars Upstream	6	5	5	4
Car Subtotal	147	156	183	150
Trucks Tailpipe	161	165	176	242
Trucks Upstream	7	6	5	5
Truck Subtotal	168	171	181	247
Total	315	327	364	397
Benzene				
Cars Tailpipe	7,455	7,553	7,056	5,912
Cars Upstream	953	777	650	528
Car Subtotal	8,408	8,330	7,706	6,441
Trucks Tailpipe	9,009	9,193	9,040	8,017
Trucks Upstream	1,005	840	757	594
Truck Subtotal	10,014	10,033	9,797	8,611
Total	18,422	18,363	17,503	15,051
1,3-Butadiene				
Cars Tailpipe	1,274	1,300	1,264	1,055
Cars Upstream	10	9	8	6
Car Subtotal	1,284	1,309	1,272	1,061
Trucks Tailpipe	1,460	1,493	1,484	1,421
Trucks Upstream	11	9	8	7
Truck Subtotal	1,471	1,502	1,492	1,428
Total	2,755	2,811	2,764	2,490

Table A.1.3-7. Nationwide Toxic Air Pollutant Emissions in 2040 from U.S. Passenger Cars and Light Trucks, by Vehicle Emissions Type by Alternative (tons/year), Cumulative Impacts^a (continued)

Pollutant and Source	Alternative 1	Alternative 2	Alternative 3	Alternative 4
	No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Diesel particulate matter (DPM)				
Cars Tailpipe	10	194	1,099	848
Cars Upstream	5,791	4,772	4,231	3,414
Car Subtotal	5,801	4,966	5,330	4,262
Trucks Tailpipe	41	57	454	2,990
Trucks Upstream	6,113	5,115	4,684	4,073
Truck Subtotal	6,154	5,172	5,138	7,063
Total	11,956	10,138	10,468	11,325
Formaldehyde				
Cars Tailpipe	3,090	3,301	3,936	3,229
Cars Upstream	353	291	262	211
Car Subtotal	3,443	3,593	4,198	3,440
Trucks Tailpipe	3,517	3,605	3,838	5,330
Trucks Upstream	372	312	287	255
Truck Subtotal	3,889	3,917	4,124	5,585
Total	7,332	7,509	8,323	9,025

a. Emissions changes have been rounded to the nearest whole number.

Table A.1.3-8. Nationwide Toxic Air Pollutant Emissions in 2060 from U.S. Passenger Cars and Light Trucks, by Vehicle Emissions Type by Alternative (tons/year), Cumulative Impacts^a

Pollutant and Source	Alternative 1	Alternative 2	Alternative 3	Alternative 4
	No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Acetaldehyde				
Cars Tailpipe	4,220	4,451	4,526	3,709
Cars Upstream	61	44	40	32
Car Subtotal	4,281	4,495	4,566	3,741
Trucks Tailpipe	4,590	4,776	4,811	5,065
Trucks Upstream	64	48	46	40
Truck Subtotal	4,654	4,824	4,857	5,106
Total	8,935	9,319	9,423	8,847
Acrolein				
Cars Tailpipe	186	203	242	196
Cars Upstream	8	6	5	4
Car Subtotal	194	209	247	200
Trucks Tailpipe	206	215	232	329
Trucks Upstream	9	7	6	6
Truck Subtotal	215	222	238	334
Total	409	431	486	534
Benzene				
Cars Tailpipe	9,821	10,173	9,442	7,809
Cars Upstream	1,246	885	737	596
Car Subtotal	11,067	11,058	10,179	8,405
Trucks Tailpipe	10,760	11,180	10,869	9,265
Trucks Upstream	1,299	974	903	696
Truck Subtotal	12,059	12,155	11,772	9,961
Total	23,126	23,213	21,951	18,366
1,3-Butadiene				
Cars Tailpipe	1,678	1,752	1,696	1,397
Cars Upstream	13	10	9	7
Car Subtotal	1,691	1,762	1,705	1,404
Trucks Tailpipe	1,832	1,905	1,882	1,775
Trucks Upstream	14	11	10	9
Truck Subtotal	1,846	1,915	1,892	1,784
Total	3,537	3,677	3,596	3,187

Table A.1.3-8. Nationwide Toxic Air Pollutant Emissions in 2060 from U.S. Passenger Cars and Light Trucks, by Vehicle Emissions Type by Alternative (tons/year), Cumulative Impacts^a (continued)

Pollutant and Source	Alternative 1	Alternative 2	Alternative 3	Alternative 4
	No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Diesel particulate matter (DPM)				
Cars Tailpipe	14	276	1,560	1,178
Cars Upstream	7,574	5,439	4,809	3,857
Car Subtotal	7,588	5,716	6,368	5,034
Trucks Tailpipe	52	77	747	4,468
Trucks Upstream	7,901	5,930	5,599	4,829
Truck Subtotal	7,953	6,007	6,346	9,297
Total	15,541	11,723	12,714	14,331
Formaldehyde				
Cars Tailpipe	4,071	4,458	5,339	4,312
Cars Upstream	461	332	298	239
Car Subtotal	4,533	4,790	5,637	4,550
Trucks Tailpipe	4,487	4,680	5,062	7,241
Trucks Upstream	481	361	343	304
Truck Subtotal	4,968	5,041	5,405	7,544
Total	9,501	9,831	11,042	12,095

a. Emissions changes have been rounded to the nearest whole number.

A.2 Climate Change

A.2.1 Direct and Indirect Impacts, Analysis A

Table A.2.1-1. CO₂ Emissions and Emission Reductions (MMTCO₂) from Cars from 2017 through 2100 by Alternative, Analysis A^a

Alternative	Total Emissions	Emission Reductions Compared to No Action Alternative	Percent Emission Reductions Compared to No Action Emissions
Alternative 1 - No Action	79,900	0	
Alternative 2 - 2%/year	71,500	8,500	11%
Alternative 3 - Preferred	64,600	15,300	19%
Alternative 4 - 7%/year	56,600	23,300	29%

a. The numbers in this table have been rounded for presentation purposes. As a result, the reductions do not reflect the exact differences between the values.

Table A.2.1-2. CO₂ Emissions and Emission Reductions (MMTCO₂) from Trucks from 2017 through 2100 by Alternative, Analysis A^a

Alternative	Total Emissions	Emission Reductions Compared to No Action Alternative	Percent Emission Reductions Compared to No Action Emissions
Alternative 1 - No Action	86,600	0	
Alternative 2 - 2%/year	75,900	10,700	12%
Alternative 3 - Preferred	69,700	16,900	20%
Alternative 4 - 7%/year	62,400	24,200	28%

a. The numbers in this table have been rounded for presentation purposes. As a result, the reductions do not reflect the exact differences between the values.

Table A.2.1-3. Emissions of Greenhouse Gases (MMTCO₂e per year) from Cars by Alternative, Analysis A

GHG and Year	Alternative 1 No Action	Alternative 2 2%/Year	Alternative 3 Preferred	Alternative 4 7%/Year
Carbon dioxide (CO₂)				
2020	585	576	568	554
2040	853	755	676	586
2060	1,115	988	884	766
2080	1,107	981	878	760
2100	1,030	913	817	707
Methane (CH₄)				
2020	2.11	2.08	2.06	2.02
2040	3.18	2.94	2.95	2.39
2060	4.16	3.86	3.88	3.13
2080	4.13	3.83	3.86	3.11
2100	3.84	3.56	3.59	2.89

Table A.2.1-3. Emissions of Greenhouse Gases (MMTCO₂e per year) from Cars by Alternative, Analysis A (continued)

GHG and Year	Alternative 1 No Action	Alternative 2 2%/Year	Alternative 3 Preferred	Alternative 4 7%/Year
Nitrous oxide (N₂O)				
2020	2.69	2.69	2.69	2.68
2040	3.38	3.36	3.10	2.70
2060	4.42	4.41	4.06	3.53
2080	4.39	4.38	4.04	3.51
2100	4.09	4.07	3.75	3.26

a. MMTCO₂e = million metric tons carbon dioxide equivalent.

Table A.2.1-4. Emissions of Greenhouse Gases (MMTCO₂e per year) from Trucks by Alternative, Analysis A

GHG and Year	Alternative 1 No Action	Alternative 2 2%/Year	Alternative 3 Preferred	Alternative 4 7%/Year
Carbon dioxide (CO₂)				
2020	817	802	801	777
2040	908	789	721	641
2060	1,174	1,012	916	810
2080	1,165	1,005	910	804
2100	1,084	935	846	748
Methane (CH₄)				
2020	3.07	3.03	3.02	2.99
2040	3.72	3.39	3.22	3.39
2060	4.83	4.39	4.17	4.44
2080	4.79	4.36	4.14	4.41
2100	4.46	4.06	3.85	4.10
Nitrous oxide (N₂O)				
2020	4.54	4.54	4.54	4.48
2040	4.69	4.72	4.63	4.00
2060	6.12	6.18	6.04	5.16
2080	6.07	6.13	5.99	5.12
2100	5.65	5.70	5.58	4.76

a. MMTCO₂e = million metric tons carbon dioxide equivalent.

Table A.2.1-5. CO₂ Concentrations, Global Mean Surface Temperature Increase, and Sea-level Rise Using MAGICC (GCAMReference) from Cars by Alternative, Analysis A^{a,b}

Totals by Alternative	CO ₂ Concentration (ppm)			Global Mean Surface Temperature Increase (°C) ^c			Sea-level Rise (cm) ^c		
	2040	2060	2100	2040	2060	2100	2040	2060	2100
Alternative 1 - No Action	478.8	563.7	784.9	1.191	1.833	3.064	11.21	18.79	37.40
Alternative 2 - 2%/year	478.7	563.4	784.1	1.190	1.832	3.061	11.21	18.79	37.37
Alternative 3 - Preferred	478.6	563.1	783.4	1.190	1.830	3.059	11.21	18.78	37.35
Alternative 4 - 7%/year	478.4	562.8	782.6	1.189	1.829	3.056	11.20	18.77	37.32
Reductions under Alternative Vehicle Standards									
Alternative 2 - 2%/year	0.1	0.3	0.8	0.001	0.001	0.003	0.00	0.00	0.03
Alternative 3 - Preferred	0.2	0.6	1.5	0.001	0.002	0.005	0.00	0.01	0.05
Alternative 4 - 7%/year	0.4	0.9	2.2	0.002	0.004	0.008	0.01	0.02	0.08

- a. The numbers in this table have been rounded for presentation purposes. As a result, the reductions might not reflect the exact difference of the values in all cases.
- b. The effects on climate change indicators shown in this table incorporate emission reductions that occur before 2017 due to early compliance with the rulemaking.
- c. The values for global mean surface temperature and sea-level rise relate to the year 1990.

Table A.2.1-6. CO₂ Concentrations, Global Mean Surface Temperature Increase, and Sea-level Rise Using MAGICC (GCAMReference) from Trucks by Alternative, Analysis A^{a,b}

Totals by Alternative	CO ₂ Concentration (ppm)			Global Mean Surface Temperature Increase (°C) ^c			Sea-level Rise (cm) ^c		
	2040	2060	2100	2040	2060	2100	2040	2060	2100
Alternative 1 - No Action	478.8	563.7	784.9	1.191	1.833	3.064	11.21	18.79	37.40
Alternative 2 - 2%/year	478.6	563.3	783.8	1.190	1.831	3.061	11.21	18.78	37.37
Alternative 3 - Preferred	478.6	563.1	783.3	1.190	1.830	3.058	11.21	18.78	37.35
Alternative 4 - 7%/year	478.4	562.8	782.6	1.189	1.829	3.056	11.20	18.77	37.32
Reductions under Alternative Vehicle Standards									
Alternative 2 - 2%/year	0.2	0.4	1.0	0.001	0.002	0.003	0.00	0.01	0.03
Alternative 3 - Preferred	0.2	0.7	1.6	0.001	0.003	0.006	0.00	0.01	0.05
Alternative 4 - 7%/year	0.4	1.0	2.3	0.001	0.004	0.008	0.01	0.02	0.08

- a. The numbers in this table have been rounded for presentation purposes. As a result, the reductions might not reflect the exact difference of the values in all cases.
- b. The effects on climate change indicators shown in this table incorporate emission reductions that occur before 2017 due to early compliance with the rulemaking.
- c. The values for global mean surface temperature and sea-level rise relate to the year 1990.

A.2.2 Direct and Indirect Impacts, Analysis B

Table A.2.2-1. CO₂ Emissions and Emission Reductions (MMTCO₂) from Cars from 2017 through 2100 by Alternative, Analysis B^a

Alternative	Total Emissions	Emission Reductions Compared to No Action Alternative	Percent Emission Reductions Compared to No Action Emissions
Alternative 1 - No Action	68,200	0	
Alternative 2 - 2%/year	61,700	6,500	10%
Alternative 3 - Preferred	56,500	11,700	17%
Alternative 4 - 7%/year	49,000	19,200	28%

a. The numbers in this table have been rounded for presentation purposes. As a result, the reductions do not reflect the exact differences between the values.

Table A.2.2-2. CO₂ Emissions and Emission Reductions (MMTCO₂) from Trucks from 2017 through 2100 by Alternative, Analysis B^a

Alternative	Total Emissions	Emission Reductions Compared to No Action Alternative	Percent Emission Reductions Compared to No Action Emissions
Alternative 1 - No Action	71,300	0	
Alternative 2 - 2%/year	69,200	2,100	3%
Alternative 3 - Preferred	65,700	5,500	8%
Alternative 4 - 7%/year	59,200	12,100	17%

a. The numbers in this table have been rounded for presentation purposes. As a result, the reductions do not reflect the exact differences between the values.

Table A.2.2-3. Emissions of Greenhouse Gases (MMTCO₂e per year) from Cars by Alternative, Analysis B^a

GHG and Year	Alternative 1 No Action	Alternative 2 2%/Year	Alternative 3 Preferred	Alternative 4 7%/Year
Carbon dioxide (CO₂)				
2020	583	574	566	553
2040	795	706	642	549
2060	894	805	730	622
2080	888	799	725	618
2100	826	743	674	575
Methane (CH₄)				
2020	2.10	2.08	2.05	2.02
2040	3.01	2.81	2.88	2.32
2060	3.52	3.34	3.48	2.78
2080	3.50	3.31	3.46	2.76
2100	3.25	3.08	3.21	2.57

Table A.2.2-3. Emissions of Greenhouse Gases (MMTCO₂e per year) from Cars by Alternative, Analysis B (continued)

GHG and Year	Alternative 1 No Action	Alternative 2 2%/Year	Alternative 3 Preferred	Alternative 4 7%/Year
Nitrous oxide (N₂O)				
2020	2.69	2.69	2.69	2.68
2040	3.39	3.37	3.10	2.58
2060	4.50	4.46	4.10	3.39
2080	4.47	4.43	4.07	3.36
2100	4.16	4.12	3.79	3.13

a. MMTCO₂e = million metric tons carbon dioxide equivalent.

Table A.2.2-4. Emissions of Greenhouse Gases (MMTCO₂e per year) from Trucks by Alternative, Analysis B^a

GHG and Year	Alternative 1 No Action	Alternative 2 2%/Year	Alternative 3 Preferred	Alternative 4 7%/Year
Carbon dioxide (CO₂)				
2020	815	801	800	774
2040	827	761	704	629
2060	888	881	841	747
2080	882	875	835	742
2100	820	814	776	690
Methane (CH₄)				
2020	3.06	3.02	3.02	2.97
2040	3.48	3.30	3.21	3.57
2060	4.02	4.00	4.02	4.60
2080	3.99	3.98	3.99	4.57
2100	3.71	3.70	3.71	4.25
Nitrous oxide (N₂O)				
2020	4.54	4.54	4.54	4.48
2040	4.72	4.75	4.62	3.94
2060	6.26	6.26	6.05	5.07
2080	6.21	6.21	6.00	5.03
2100	5.78	5.78	5.58	4.68

a. MMTCO₂e = million metric tons carbon dioxide equivalent.

Table A.2.2-5. CO₂ Concentrations, Global Mean Surface Temperature Increase, and Sea-level Rise Using MAGICC (GCAMReference) from Cars by Alternative, Analysis B^{a,b}

Totals by Alternative	CO ₂ Concentration (ppm)			Global Mean Surface Temperature Increase (°C) ^c			Sea-level Rise (cm) ^c		
	2040	2060	2100	2040	2060	2100	2040	2060	2100
Alternative 1 - No Action	478.8	563.7	784.9	1.191	1.833	3.064	11.21	18.79	37.40
Alternative 2 - 2%/year	478.7	563.4	784.3	1.190	1.832	3.062	11.21	18.79	37.38
Alternative 3 - Preferred	478.6	563.2	783.8	1.190	1.831	3.060	11.21	18.78	37.36
Alternative 4 - 7%/year	478.5	562.9	783.0	1.189	1.829	3.057	11.20	18.77	37.33
Reductions under Alternative Vehicle Standards									
Alternative 2 - 2%/year	0.1	0.3	0.6	0.001	0.001	0.002	0.00	0.00	0.02
Alternative 3 - Preferred	0.2	0.5	1.1	0.001	0.002	0.004	0.00	0.01	0.04
Alternative 4 - 7%/year	0.3	0.8	1.8	0.002	0.004	0.007	0.01	0.02	0.07

- a. The numbers in this table have been rounded for presentation purposes. As a result, the reductions might not reflect the exact difference of the values in all cases.
- b. The effects on climate change indicators shown in this table incorporate emission reductions that occur before 2017 due to early compliance with the rulemaking.
- c. The values for global mean surface temperature and sea-level rise relate to the year 1990.

Table A.2.2-6. CO₂ Concentrations, Global Mean Surface Temperature Increase, and Sea-level Rise Using MAGICC (GCAMReference) from Trucks by Alternative, Analysis B^{a,b}

Totals by Alternative	CO ₂ Concentration (ppm)			Global Mean Surface Temperature Increase (°C) ^c			Sea-level Rise (cm) ^c		
	2040	2060	2100	2040	2060	2100	2040	2060	2100
Alternative 1 - No Action	478.8	563.7	784.9	1.191	1.833	3.064	11.21	18.79	37.40
Alternative 2 - 2%/year	478.7	563.6	784.7	1.190	1.832	3.063	11.21	18.79	37.39
Alternative 3 - Preferred	478.6	563.4	784.4	1.190	1.831	3.062	11.21	18.78	37.38
Alternative 4 - 7%/year	478.5	563.1	783.8	1.190	1.830	3.060	11.20	18.78	37.36
Reductions under Alternative Vehicle Standards									
Alternative 2 - 2%/year	0.1	0.2	0.2	0.001	0.001	0.001	0.00	0.00	0.01
Alternative 3 - Preferred	0.2	0.3	0.5	0.001	0.002	0.002	0.00	0.01	0.02
Alternative 4 - 7%/year	0.3	0.6	1.1	0.001	0.003	0.004	0.01	0.01	0.04

- a. The numbers in this table have been rounded for presentation purposes. As a result, the reductions might not reflect the exact difference of the values in all cases.
- b. The effects on climate change indicators shown in this table incorporate emission reductions that occur before 2017 due to early compliance with the rulemaking.
- c. The values for global mean surface temperature and sea-level rise relate to the year 1990.

A.2.3 Cumulative Impacts

Table A.2.3-1. CO₂ Emissions and Emission Reductions (MMTCO₂) from Cars from 2017 through 2100 by Alternative, Cumulative Impacts^a

Alternative	Total Emissions	Emission Reductions Compared to No Action Alternative	Percent Emission Reductions Compared to No Action Emissions
Alternative 1 - No Action	79,900	0	
Alternative 2 - 2%/year	61,700	18,200	23%
Alternative 3 - Preferred	56,500	23,400	29%
Alternative 4 - 7%/year	49,000	30,900	39%

a. The numbers in this table have been rounded for presentation purposes. As a result, the reductions do not reflect the exact differences between the values.

Table A.2.3-2. CO₂ Emissions and Emission Reductions (MMTCO₂) from Trucks from 2017 through 2100 by Alternative, Cumulative Impacts^a

Alternative	Total Emissions	Emission Reductions Compared to No Action Alternative	Percent Emission Reductions Compared to No Action Emissions
Alternative 1 - No Action	86,600	0	
Alternative 2 - 2%/year	69,200	17,400	20%
Alternative 3 - Preferred	65,700	20,800	24%
Alternative 4 - 7%/year	59,200	27,400	32%

a. The numbers in this table have been rounded for presentation purposes. As a result, the reductions do not reflect the exact differences between the values.

Table A.2.3-3. Emissions of Greenhouse Gases (MMTCO₂e per year) from Cars by Alternative, Cumulative Impacts^a

GHG and Year	Alternative 1 No Action	Alternative 2 2%/Year	Alternative 3 Preferred	Alternative 4 7%/Year
Carbon dioxide (CO₂)				
2020	585	574	566	553
2040	853	706	642	549
2060	1,115	805	730	622
2080	1,107	799	725	618
2100	1,030	743	674	575
Methane (CH₄)				
2020	2.11	2.08	2.05	2.02
2040	3.18	2.81	2.88	2.32
2060	4.16	3.34	3.48	2.78
2080	4.13	3.31	3.46	2.76
2100	3.84	3.08	3.21	2.57

Table A.2.3-3. Emissions of Greenhouse Gases (MMTCO₂e per year) from Cars by Alternative, Cumulative Impacts^a (continued)

GHG and Year	Alternative 1 No Action	Alternative 2 2%/Year	Alternative 3 Preferred	Alternative 4 7%/Year
Nitrous oxide (N₂O)				
2020	2.69	2.69	2.69	2.68
2040	3.38	3.37	3.10	2.58
2060	4.42	4.46	4.10	3.39
2080	4.39	4.43	4.07	3.36
2100	4.09	4.12	3.79	3.13

a. MMTCO₂e = million metric tons carbon dioxide equivalent.

Table A.2.3-4. Emissions of Greenhouse Gases (MMTCO₂e per year) from Trucks by Alternative, Cumulative Impacts^a

GHG and Year	Alternative 1 No Action	Alternative 2 2%/Year	Alternative 3 Preferred	Alternative 4 7%/Year
Carbon dioxide (CO₂)				
2020	817	801	800	774
2040	908	761	704	629
2060	1,174	881	841	747
2080	1,165	875	835	742
2100	1,084	814	776	690
Methane (CH₄)				
2020	3.07	3.02	3.02	2.97
2040	3.72	3.30	3.21	3.57
2060	4.83	4.00	4.02	4.60
2080	4.79	3.98	3.99	4.57
2100	4.46	3.70	3.71	4.25
Nitrous oxide (N₂O)				
2020	4.54	4.54	4.54	4.48
2040	4.69	4.75	4.62	3.94
2060	6.12	6.26	6.05	5.07
2080	6.07	6.21	6.00	5.03
2100	5.65	5.78	5.58	4.68

a. MMTCO₂e = million metric tons carbon dioxide equivalent.

Table A.2.3-5. CO₂ Concentrations, Global Mean Surface Temperature Increase, and Sea-level Rise Using MAGICC (GCAM6.0) from Cars by Alternative, Cumulative Impacts^{a,b}

Totals by Alternative	CO ₂ Concentration (ppm)			Global Mean Surface Temperature Increase (°C) ^c			Sea-level Rise (cm) ^c		
	2040	2060	2100	2040	2060	2100	2040	2060	2100
Alternative 1 - No Action	471.7	543.4	677.8	1.114	1.666	2.564	10.84	17.73	33.42
Alternative 2 - 2%/year	471.6	542.8	676.1	1.113	1.663	2.557	10.84	17.72	33.37
Alternative 3 - Preferred	471.5	542.6	675.6	1.113	1.663	2.555	10.84	17.72	33.35
Alternative 4 - 7%/year	471.3	542.3	675.0	1.112	1.661	2.552	10.83	17.71	33.32
Reductions under Alternative Vehicle Standards									
Alternative 2 - 2%/year	0.2	0.6	1.7	0.001	0.002	0.006	0.00	0.01	0.05
Alternative 3 - Preferred	0.2	0.8	2.2	0.001	0.003	0.008	0.00	0.01	0.07
Alternative 4 - 7%/year	0.4	1.1	2.9	0.002	0.005	0.012	0.01	0.02	0.10

- a. The numbers in this table have been rounded for presentation purposes. As a result, the reductions might not reflect the exact difference of the values in all cases.
- b. The effects on climate change indicators shown in this table incorporate emission reductions that occur before 2017 due to early compliance with the rulemaking.
- c. The values for global mean surface temperature and sea-level rise relate to the year 1990.

Table A.2.3-6. CO₂ Concentrations, Global Mean Surface Temperature Increase, and Sea-level Rise Using MAGICC (GCAM6.0) from Trucks by Alternative, Cumulative Impacts^{a,b}

Totals by Alternative	CO ₂ Concentration (ppm)			Global Mean Surface Temperature Increase (°C) ^c			Sea-level Rise (cm) ^c		
	2040	2060	2100	2040	2060	2100	2040	2060	2100
Alternative 1 - No Action	471.7	543.4	677.8	1.114	1.666	2.564	10.84	17.73	33.42
Alternative 2 - 2%/year	471.5	542.8	676.2	1.113	1.663	2.557	10.84	17.72	33.37
Alternative 3 - Preferred	471.5	542.6	675.9	1.113	1.663	2.556	10.84	17.72	33.36
Alternative 4 - 7%/year	471.4	542.4	675.3	1.113	1.661	2.554	10.83	17.71	33.34
Reductions under Alternative Vehicle Standards									
Alternative 2 - 2%/year	0.2	0.6	1.6	0.001	0.002	0.006	0.00	0.01	0.05
Alternative 3 - Preferred	0.3	0.8	1.9	0.001	0.003	0.007	0.00	0.01	0.06
Alternative 4 - 7%/year	0.4	1.0	2.5	0.001	0.004	0.010	0.01	0.02	0.08

- a. The numbers in this table have been rounded for presentation purposes. As a result, the reductions might not reflect the exact difference of the values in all cases.
- b. The effects on climate change indicators shown in this table incorporate emission reductions that occur before 2017 due to early compliance with the rulemaking.
- c. The values for global mean surface temperature and sea-level rise relate to the year 1990.

APPENDIX B

Air Quality Non-Attainment Area Results

Analysis A

Table B1-1
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Carbon Monoxide (CO) 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.18	0.22	0.01
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.36	0.44	0.03
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.38	0.45	0.03
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	113.89	136.09	9.05
Albuquerque, NM	CO	Maintenance	100	-	52.77	63.06	4.24
Allegan County, MI	Ozone	Former Subpart 1	50	-	12.70	15.18	1.02
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	52.89	63.18	4.07
Altoona, PA	Ozone	Maintenance	100	-	9.33	11.15	0.75
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	13.72	16.39	1.10
Anchorage, AK	CO	Maintenance	100	-	12.34	14.75	0.99
Anthony, NM	PM ₁₀	Moderate	100	-	0.68	0.81	0.05
Armstrong County, PA	SO _x	Nonattainment	100	-	0.44	0.52	0.04
Aspen, CO	PM ₁₀	Maintenance	100	-	0.62	0.74	0.05
Atlanta, GA	Ozone	Moderate	50	-	587.84	702.43	46.86
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	588.19	702.85	46.89
Atlantic City, NJ	CO	Maintenance	100	-	4.64	5.55	0.37
Bakersfield, CA	CO	Maintenance	100	-	37.91	45.19	1.52
Baltimore, MD	CO	Maintenance	100	-	0.91	1.09	0.05
Baltimore, MD	Ozone	Moderate	50	-	264.00	315.42	20.40
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	264.00	315.41	20.40
Baton Rouge, LA	Ozone	Moderate	50	-	-4.54	-17.53	-163.74
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-22.57	-37.36	-142.02
Benton County, TN	SO _x	Maintenance	100	-	0.10	0.12	0.01
Benton Harbor, MI	Ozone	Maintenance	100	-	16.59	19.82	1.31
Benzie County, MI	Ozone	Maintenance	100	-	1.96	2.34	0.16
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	12.95	15.48	1.04
Billings, MT	CO	Maintenance	100	-	-5.23	-8.33	-28.49
Birmingham, AL	Ozone	Maintenance	100	-	91.15	108.83	6.15
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	91.44	109.18	6.17
Boise-Northern Ada County, ID	CO	Maintenance	100	-	28.43	33.95	1.90
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	28.43	33.95	1.90
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	1.44	1.72	0.12
Boston, MA	CO	Maintenance	100	-	76.67	91.62	6.17
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	455.46	544.27	36.64
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	57.44	68.64	4.62
Boyd County (part), KY	SO _x	Maintenance	100	-	0.89	1.06	0.07
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	103.93	124.20	8.36
Burlington, NJ	CO	Maintenance	100	-	0.77	0.92	0.06
Butte, MT	PM ₁₀	Moderate	100	-	1.93	2.31	0.16
Canon City, CO	PM ₁₀	Maintenance	100	-	1.69	2.02	0.14
Canton-Massillon, OH	Ozone	Maintenance	100	-	23.76	27.86	-5.17
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	23.76	27.86	-5.17
Case County, MI	Ozone	Maintenance	100	-	3.94	4.71	0.32
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.06	0.07	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.59	0.71	0.05
Charleston, WV	Ozone	Maintenance	100	-	25.39	30.34	2.04
Charleston, WV	PM _{2.5}	Nonattainment	100	-	25.39	30.34	2.04
Charlotte, NC	CO	Maintenance	100	-	64.48	77.05	5.19
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	144.87	173.12	11.65

Table B1-1
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Carbon Monoxide (CO) 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	49.21	58.80	3.95
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	44.66	53.37	3.58
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	537.16	626.18	-169.04
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	558.51	651.69	-167.32
Chico, CA	CO	Maintenance	100	-	9.10	10.88	0.73
Chico, CA	Ozone	Former Subpart 1	50	-	21.29	25.44	1.71
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	175.90	210.20	14.15
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	170.87	204.19	13.74
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	1.29	1.54	0.10
Clark County, NV	PM ₁₀	Serious	70	-	129.12	154.30	10.39
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	22.84	27.30	1.84
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	16.24	19.41	1.31
Cleveland, OH	CO	Maintenance	100	-	86.25	103.07	6.94
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	232.36	277.67	18.69
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	214.57	256.40	17.26
Coachella Valley, CA	PM ₁₀	Serious	70	-	54.05	64.59	4.35
Colbert County, AL	SO _x	Maintenance	100	-	5.51	6.58	0.44
Colorado Springs, CO	CO	Maintenance	100	-	50.91	60.74	2.80
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.47	0.57	0.04
Columbia, SC	Ozone	Former Subpart 1	50	-	58.11	69.44	4.67
Columbus, OH	Ozone	Maintenance	100	-	147.20	175.90	11.84
Columbus, OH	PM _{2.5}	Nonattainment	100	-	136.42	163.02	10.97
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.31	0.36	0.01
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.03	0.04	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	86.25	103.07	6.94
Cuyahoga County, OH	SO _x	Maintenance	100	-	70.27	83.98	5.65
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	606.01	724.11	47.85
Dayton-Springfield, OH	Ozone	Maintenance	100	-	75.89	90.68	6.10
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	67.14	80.24	5.40
Denver Metro, CO	PM ₁₀	Maintenance	100	-	254.09	302.44	4.30
Denver-Boulder, CO	CO	Maintenance	100	-	242.76	288.91	3.39
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	307.61	366.39	8.57
Detroit, MI	CO	Maintenance	100	-	143.16	170.61	5.22
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	410.59	490.04	24.85
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	402.91	480.87	24.23
Door County, WI	Ozone	Former Subpart 1	50	-	3.24	3.88	0.26
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	3.18	3.80	0.26
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	2.50	2.99	0.20
Duluth, MN	CO	Maintenance	100	-	7.43	8.88	0.60
Eagle River, AK	PM ₁₀	Moderate	100	-	0.74	0.88	0.06
East Chicago, IN	CO	Maintenance	100	-	0.10	0.12	0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	-26.51	-39.68	-110.06
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.09	0.11	0.01
El Paso County, TX	PM ₁₀	Moderate	100	-	39.37	46.42	-5.33
El Paso, TX	CO	Maintenance	100	-	2.80	3.35	0.22
Erie, PA	Ozone	Maintenance	100	-	20.65	24.68	1.66
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.14	0.16	0.01

Table B1-1
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Carbon Monoxide (CO) 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Eugene-Springfield, OR	CO	Maintenance	100	-	20.40	24.38	1.64
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	19.48	23.28	1.57
Evansville, IN	Ozone	Maintenance	100	-	22.76	27.20	1.83
Evansville, IN	PM _{2.5}	Nonattainment	100	-	29.34	35.06	2.36
Fairbanks, AK	CO	Maintenance	100	-	1.51	1.80	0.12
Fayetteville, NC	Ozone	Former Subpart 1	50	-	26.37	31.52	2.12
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.62	0.74	0.05
Flint, MI	Ozone	Maintenance	100	-	46.87	56.01	3.77
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.11	0.13	0.01
Fort Collins, CO	CO	Maintenance	100	-	15.30	18.28	1.23
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.07	0.08	0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	32.59	38.95	2.62
Franklin County, PA	Ozone	Maintenance	100	-	13.49	16.12	1.09
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.07	0.08	0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	11.65	13.92	0.94
Fredericksburg, VA	Ozone	Maintenance	100	-	35.79	42.76	2.88
Freehold, NJ	CO	Maintenance	100	-	1.49	1.78	0.12
Fresno, CA	CO	Maintenance	100	-	51.26	61.24	3.95
Grand Rapids, MI	Ozone	Maintenance	100	-	71.52	85.47	5.75
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	3.74	4.47	0.30
Grant County, NM	SO _x	Maintenance	100	-	0.25	0.30	0.02
Grants Pass, OR	CO	Maintenance	100	-	0.04	0.05	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	2.85	3.41	0.23
Great Falls, MT	CO	Maintenance	100	-	1.81	2.16	0.15
Greater Connecticut, CT	Ozone	Moderate	50	-	148.21	177.09	11.70
Greeley, CO	CO	Maintenance	100	-	10.83	12.94	0.87
Green Bay, WI	SO _x	Maintenance	100	-	10.91	13.03	0.88
Greene County, IN	Ozone	Maintenance	100	-	4.35	5.19	0.35
Greene County, PA	Ozone	Maintenance	100	-	4.11	4.91	0.33
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	145.63	174.00	11.42
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	72.18	86.24	5.52
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	81.05	96.83	6.21
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	2.03	2.42	0.16
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	10.25	12.25	0.82
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	75.50	90.21	5.98
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	69.72	83.30	5.51
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	96.26	115.01	7.52
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.87	1.04	0.07
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	3.38	4.04	0.27
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.44	0.53	0.04
Hazelwood, PA	SO _x	Maintenance	100	-	3.62	4.33	0.28
Hickory, NC	PM _{2.5}	Nonattainment	100	-	16.20	19.36	1.30
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	26.51	31.68	2.13
Hollis Township, IL	SO _x	Maintenance	100	-	0.22	0.26	0.02
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	400.91	462.04	-197.81
Humphreys County, TN	SO _x	Maintenance	100	-	0.24	0.29	0.02
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-16.95	-28.15	-107.94
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-29.43	-43.06	-108.95
Huron County, MI	Ozone	Maintenance	100	-	2.58	3.08	0.21

Table B1-1
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Carbon Monoxide (CO) 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Imperial County, CA	Ozone	Moderate	50	-	18.89	22.57	1.52
Imperial Valley, CA	PM ₁₀	Serious	70	-	18.46	22.06	1.49
Indian Wells, CA	PM ₁₀	Maintenance	100	-	3.03	3.62	0.24
Indianapolis, IN	CO	Maintenance	100	-	0.09	0.11	0.01
Indianapolis, IN	Ozone	Maintenance	100	-	177.19	211.74	14.25
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	140.33	167.69	11.29
Jackson County, IN	Ozone	Maintenance	100	-	7.14	8.53	0.57
Jamestown, NY	Ozone	Former Subpart 1	50	-	13.98	16.71	1.12
Jefferson County, NY	Ozone	Moderate	50	-	11.09	13.25	0.89
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.72	0.86	0.06
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	19.61	23.43	1.58
Johnstown, PA	Ozone	Maintenance	100	-	9.47	11.32	0.76
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	10.38	12.40	0.83
Juneau, AK	PM ₁₀	Moderate	100	-	0.92	1.10	0.07
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	45.43	54.29	3.65
Kalispell, MT	PM ₁₀	Moderate	100	-	2.55	3.05	0.21
Kansas City, MO-KS	Ozone	Maintenance	100	-	146.77	175.32	10.87
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	12.64	15.11	1.02
Kent, WA	PM ₁₀	Maintenance	100	-	2.17	2.60	0.17
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	7.40	8.85	0.60
Kewaunee County, WI	Ozone	Maintenance	100	-	2.23	2.66	0.18
King County, WA	PM ₁₀	Maintenance	100	-	0.90	1.08	0.07
Klamath Falls, OR	CO	Maintenance	100	-	4.47	5.34	0.36
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	4.47	5.34	0.36
Knoxville, TN	Ozone	Former Subpart 1	50	-	103.79	124.02	8.35
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	80.75	96.49	6.50
La Porte County, IN	SO _x	Maintenance	100	-	3.17	3.79	0.26
LaGrande, OR	PM ₁₀	Maintenance	100	-	1.35	1.61	0.11
Lake County, IN	SO _x	Maintenance	100	-	27.55	32.90	1.91
Lake County, OH	SO _x	Maintenance	100	-	3.22	3.85	0.26
Lake County, OR	PM ₁₀	Maintenance	100	-	0.55	0.66	0.04
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	2.42	2.89	0.19
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	5.15	6.15	0.41
Lake Tahoe, NV	CO	Maintenance	100	-	1.80	2.16	0.15
Lamar, CO	PM ₁₀	Maintenance	100	-	0.80	0.96	0.06
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.13	0.16	0.01
Lancaster, PA	Ozone	Maintenance	100	-	40.01	47.80	3.09
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	40.01	47.80	3.09
Lane County, OR	PM ₁₀	Moderate	100	-	0.13	0.16	0.01
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	42.67	50.99	3.43
LaPorte, IN	Ozone	Maintenance	100	-	8.90	10.63	0.72
Las Vegas, NV	CO	Serious	100	-	129.12	154.30	10.39
Las Vegas, NV	Ozone	Former Subpart 1	50	-	131.14	156.72	10.55
Lauderdale County, AL	SO _x	Maintenance	100	-	7.99	9.55	0.64
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.16	0.19	0.01
Libby, MT	PM ₁₀	Moderate	100	-	0.40	0.48	0.03
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.54	0.64	0.04
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	1.29	1.54	0.10
Lima, OH	Ozone	Maintenance	100	-	1.64	0.50	-19.52

Table B1-1
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Carbon Monoxide (CO) 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Longmont, CO	CO	Maintenance	100	-	7.90	9.44	0.64
Lorain County, OH	SO _x	Maintenance	100	-	4.11	4.91	0.33
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	1,269.92	1,505.06	-66.31
Los Angeles South Coast Air Basin, CA	No _x	Maintenance	100	-	1,269.92	1,505.06	-66.31
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	1,269.92	1,505.06	-66.31
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	1,269.93	1,505.08	-66.31
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	1,269.85	1,504.98	-66.32
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	60.44	72.22	4.86
Louisville, KY-IN	Ozone	Maintenance	100	-	101.67	121.50	8.18
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	98.65	117.88	7.93
Lowell, MA	CO	Maintenance	100	-	10.04	11.99	0.81
Lucas County, OH	SO _x	Maintenance	100	-	27.26	32.58	2.19
Lyons Township, IL	PM ₁₀	Maintenance	100	-	5.66	6.76	0.45
Macon, GA	Ozone	Maintenance	100	-	19.19	22.93	1.54
Macon, GA	PM _{2.5}	Nonattainment	100	-	19.00	22.70	1.53
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.26	0.32	0.02
Madison, WI	SO _x	Maintenance	100	-	21.24	25.38	1.71
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.78	0.93	0.06
Manchester, NH	CO	Maintenance	100	-	7.05	8.42	0.57
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	9.17	10.96	0.74
Marion County, IN	SO _x	Maintenance	100	-	28.45	34.00	2.29
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	9.52	11.37	0.77
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	28.49	34.05	2.29
Mason County, MI	Ozone	Maintenance	100	-	2.35	2.80	0.19
Medford, OR	CO	Maintenance	100	-	6.72	8.03	0.54
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	16.00	19.12	1.29
Memphis, TN-AR	Ozone	Maintenance	100	-	86.88	103.13	-2.30
Memphis, TN	CO	Maintenance	100	-	79.48	94.29	-2.89
Miami (Gila County), AZ	SO _x	Maintenance	100	-	2.55	3.05	0.21
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.48	0.58	0.03
Milwaukee, WI	SO _x	Maintenance	100	-	48.01	57.38	3.86
Milwaukee-Racine, WI	Ozone	Moderate	50	-	158.58	189.51	12.76
Minneapolis-St Paul, MN	CO	Maintenance	100	-	155.74	168.51	-225.07
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	247.54	295.74	19.03
Missoula, MT	CO	Maintenance	100	-	5.25	6.24	-0.02
Missoula, MT	PM ₁₀	Moderate	100	-	5.09	6.05	-0.02
Modesto, CA	CO	Maintenance	100	-	26.30	31.43	2.12
Mohave County, AZ	PM ₁₀	Maintenance	100	-	8.82	10.54	0.71
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.12	0.14	0.01
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.30	0.36	0.02
Morristown, NJ	CO	Maintenance	100	-	2.82	3.37	0.23
Muhlenberg County, KY	SO _x	Maintenance	100	-	2.65	3.16	0.21
Muncie, IN	Ozone	Maintenance	100	-	10.71	12.79	0.86
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.39	0.46	0.03
Muscatine County, IA	SO _x	Maintenance	100	-	1.35	1.61	0.11
Muskegon, MI	Ozone	Maintenance	100	-	11.54	13.78	0.91
Nashua, NH	CO	Maintenance	100	-	5.61	6.70	0.45
Nashville, TN	Ozone	Former Subpart 1	50	-	144.06	172.13	11.29

Table B1-1
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Carbon Monoxide (CO) 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	11.60	13.86	0.93
New Haven County, CT	PM ₁₀	Maintenance	100	-	12.16	14.53	0.98
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	71.04	84.90	5.71
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.55	0.66	0.04
New York County, NY	PM ₁₀	Moderate	100	-	41.77	49.91	3.36
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	700.25	836.11	47.09
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	1,323.68	1,580.76	92.60
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	1,312.61	1,567.53	91.71
Nogales, AZ	PM ₁₀	Moderate	100	-	3.61	4.31	0.29
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-153.99	-236.35	-718.93
Ogden, UT	CO	Maintenance	100	-	6.35	7.58	0.51
Ogden, UT	PM ₁₀	Moderate	100	-	6.35	7.58	0.51
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.22	0.27	0.02
Olmsted County, MN	PM ₁₀	Maintenance	100	-	1.92	2.30	0.15
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	9.32	11.13	0.75
Owens Valley, CA	PM ₁₀	Serious	70	-	0.33	0.39	0.03
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.01	0.02	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	13.14	15.70	1.06
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	13.23	15.81	1.06
Payson, AZ	PM ₁₀	Maintenance	100	-	1.71	2.04	0.14
Penns Grove, NJ	CO	Maintenance	100	-	0.04	0.05	0.00
Peoria, IL	SO _x	Maintenance	100	-	9.08	10.85	0.70
Perth Amboy, NJ	CO	Maintenance	100	-	4.87	5.48	-4.11
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	35.84	42.83	2.88
Philadelaphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	343.66	400.87	-104.73
Phildelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	529.62	623.07	-89.90
Phoenix, AZ	CO	Maintenance	100	-	391.39	467.69	31.21
Phoenix, AZ	PM ₁₀	Serious	70	-	403.81	482.53	32.21
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	405.26	484.26	32.32
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.97	1.16	0.08
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.12	0.15	0.01
Pittsburgh, PA	CO	Maintenance	100	-	2.01	2.40	0.16
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	181.21	216.53	14.34
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	165.58	197.84	13.09
Polk County, TN	SO _x	Maintenance	100	-	1.89	2.26	0.15
Polson, MT	PM ₁₀	Moderate	100	-	0.25	0.30	0.02
Portland, ME	Ozone	Maintenance	100	-	49.78	59.43	3.25
Portland, OR	CO	Maintenance	100	-	103.69	123.86	7.65
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	3.96	4.73	0.32
Poughkeepsie, NY	Ozone	Moderate	50	-	118.30	141.37	9.52
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.85	1.01	0.07
Providence (entire State), RI	Ozone	Moderate	50	-	86.90	103.78	6.05
Provo, UT	CO	Maintenance	100	-	14.08	16.83	1.13
Raleigh-Durham, NC	CO	Maintenance	100	-	113.74	135.90	8.98
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	155.29	185.56	12.32
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.18	0.21	0.01

Table B1-1
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Carbon Monoxide (CO) 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Reading, PA	Ozone	Maintenance	100	-	29.89	35.72	2.40
Reading, PA	PM _{2.5}	Nonattainment	100	-	29.89	35.72	2.40
Reno, NV	CO	Maintenance	100	-	21.80	26.05	1.75
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.08	0.10	0.01
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	109.52	130.86	8.58
Rillito, AZ	PM ₁₀	Moderate	100	-	4.17	4.98	0.34
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	54.05	64.59	4.35
Roanoke, VA	Ozone	Former Subpart 1	50	-	23.71	28.33	1.91
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	7.09	8.47	0.57
Rochester, NY	Ozone	Former Subpart 1	50	-	120.00	143.40	9.65
Rocky Mount, NC	Ozone	Maintenance	100	-	16.82	20.10	1.35
Rome, GA	PM _{2.5}	Nonattainment	100	-	10.80	12.91	0.87
Ronan, MT	PM ₁₀	Moderate	100	-	0.10	0.12	0.01
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.23	0.27	0.02
Sacramento County, CA	PM ₁₀	Moderate	100	-	127.38	152.22	10.25
Sacramento Metro, CA	Ozone	Severe	25	-	226.53	270.61	17.01
Sacramento, CA	CO	Maintenance	100	-	141.52	169.11	11.24
Salem, OR	CO	Maintenance	100	-	11.80	14.10	0.95
Salt Lake City, UT	CO	Maintenance	100	-	17.63	20.87	-1.28
Salt Lake County, UT	PM ₁₀	Moderate	100	-	90.04	107.40	4.54
Salt Lake County, UT	SO _x	Nonattainment	100	-	91.17	108.95	7.33
San Antonio, TX	Ozone	Former Subpart 1	50	-	163.62	195.50	12.89
San Bernardino County, CA	PM ₁₀	Moderate	100	-	37.44	44.74	3.01
San Diego, CA	CO	Maintenance	100	-	356.97	426.58	28.71
San Diego, CA	Ozone	Former Subpart 1	50	-	357.63	427.37	28.77
San Francisco Bay Area, CA	Ozone	Marginal	50	-	543.24	646.39	6.30
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	618.67	736.53	12.37
San Joaquin Valley, CA	Ozone	Extreme	10	-	388.25	463.81	29.40
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	390.04	465.96	29.55
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	388.25	463.81	29.40
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	2.90	3.46	0.23
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.06	0.07	0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	60.00	71.70	4.83
Seattle-Tacoma, WA	CO	Maintenance	100	-	262.58	313.79	21.12
Sheboygan, WI	Ozone	Moderate	50	-	10.52	12.57	0.85
Sheridan, WY	PM ₁₀	Moderate	100	-	1.97	2.35	0.16
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	1.54	1.84	0.12
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	40.49	48.39	3.21
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	16.32	19.50	1.31
Spokane County, WA	PM ₁₀	Maintenance	100	-	26.12	31.22	2.10
Spokane, WA	CO	Maintenance	100	-	25.86	30.91	2.08
Springfield (western MA), MA	Ozone	Moderate	50	-	79.87	95.41	6.03
Springfield, MA	CO	Maintenance	100	-	12.74	15.21	0.88
St Louis, MO	CO	Maintenance	100	-	85.07	101.66	6.84
St Louis, MO-IL	Ozone	Moderate	50	-	251.99	298.27	-18.24
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	250.22	296.16	-18.38
State College, PA	Ozone	Maintenance	100	-	14.99	17.91	1.21

Table B1-1
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Carbon Monoxide (CO) 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	1.55	1.85	0.12
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	3.92	4.69	0.32
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	7.98	9.39	-1.39
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	7.98	9.39	-1.39
Stockton, CA	CO	Maintenance	100	-	39.65	47.39	3.19
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	46.48	55.54	3.74
Telluride, CO	PM ₁₀	Maintenance	100	-	0.12	0.14	0.01
Terre Haute, IN	Ozone	Maintenance	100	-	12.13	14.49	0.98
Tioga County, PA	Ozone	Maintenance	100	-	5.15	6.15	0.41
Toledo, OH	Ozone	Maintenance	100	-	25.87	26.68	-55.03
Toms River, NJ	CO	Maintenance	100	-	8.62	10.30	0.69
Tooele County, UT	SO _x	Nonattainment	100	-	8.92	10.66	0.72
Trenton, NJ	CO	Maintenance	100	-	7.89	9.43	0.63
Trona, CA	PM ₁₀	Moderate	100	-	0.27	0.32	0.02
Tucson, AZ	CO	Maintenance	100	-	86.82	103.74	6.98
Utah County, UT	PM ₁₀	Moderate	100	-	42.35	50.60	3.41
Vancouver, WA	CO	Maintenance	100	-	26.73	31.94	2.15
Ventura County, CA	Ozone	Serious	50	-	71.63	85.52	4.82
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.66	0.79	0.05
Vigo County, IN	SO _x	Maintenance	100	-	12.13	14.49	0.98
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	5.08	6.07	0.41
Warren County, NJ	SO _x	Maintenance	100	-	3.19	3.81	0.26
Warren County, PA	SO _x	Nonattainment	100	-	1.29	1.53	0.05
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	19.11	22.84	1.54
Washington, DC-MD-VA	CO	Maintenance	100	-	139.52	166.72	11.22
Washington, DC-MD-VA	Ozone	Moderate	50	-	473.21	565.48	38.06
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	463.57	553.96	37.29
Washoe County, NV	PM ₁₀	Serious	70	-	21.80	26.05	1.75
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.37	0.44	0.03
Wayne County, IN	SO _x	Maintenance	100	-	6.64	7.93	0.53
Wayne County, MI	PM ₁₀	Maintenance	100	-	4.68	5.28	-3.79
Weirton, WV	PM ₁₀	Maintenance	100	-	0.90	1.08	0.07
Weirton, WV	SO _x	Maintenance	100	-	1.18	1.41	0.10
Wheeling, WV-OH	Ozone	Maintenance	100	-	13.80	16.49	1.11
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	13.80	16.49	1.11
Winston-Salem, NC	CO	Maintenance	100	-	36.59	43.73	2.94
Worcester, MA	CO	Maintenance	100	-	19.05	22.77	1.53
Yakima County, WA	PM ₁₀	Maintenance	100	-	8.24	9.85	0.66
Yakima, WA	CO	Maintenance	100	-	3.29	3.94	0.26
York, PA	Ozone	Maintenance	100	-	39.30	46.97	3.16
York, PA	PM _{2.5}	Nonattainment	100	-	30.60	36.56	2.46
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	58.56	69.97	4.71
Yuma, AZ	PM ₁₀	Moderate	100	-	16.07	19.20	1.29

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

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

c/ Emissions thresholds in tons/year of: VOC or NO_x in ozone NAAs; primary PM_{2.5} in PM_{2.5} NAAs. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the proposed actions. Source: EPA, 2008.

**Table B1-2
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Carbon Monoxide (CO) 2025**

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.51	0.43	-1.07
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	1.06	0.90	-2.23
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	1.10	0.93	-2.31
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	329.66	278.47	-692.90
Albuquerque, NM	CO	Maintenance	100	-	152.02	128.44	-319.34
Allegan County, MI	Ozone	Former Subpart 1	50	-	37.57	31.75	-78.93
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	152.81	129.01	-321.69
Altoona, PA	Ozone	Maintenance	100	-	26.27	22.20	-55.19
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	42.89	36.24	-90.09
Anchorage, AK	CO	Maintenance	100	-	36.66	30.97	-77.01
Anthony, NM	PM ₁₀	Moderate	100	-	1.94	1.64	-4.07
Armstrong County, PA	SO _x	Nonattainment	100	-	1.26	1.07	-2.65
Aspen, CO	PM ₁₀	Maintenance	100	-	1.81	1.53	-3.81
Atlanta, GA	Ozone	Moderate	50	-	1,727.83	1,459.62	-3,631.13
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	1,728.78	1,460.42	-3,633.13
Atlantic City, NJ	CO	Maintenance	100	-	13.26	11.20	-27.85
Bakersfield, CA	CO	Maintenance	100	-	112.45	94.08	-241.98
Baltimore, MD	CO	Maintenance	100	-	2.59	2.17	-5.53
Baltimore, MD	Ozone	Moderate	50	-	770.56	650.56	-1,621.80
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	770.55	650.55	-1,621.77
Baton Rouge, LA	Ozone	Moderate	50	-	18.59	-82.80	-654.24
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-39.68	-118.06	-444.59
Benton County, TN	SO _x	Maintenance	100	-	0.30	0.25	-0.62
Benton Harbor, MI	Ozone	Maintenance	100	-	46.44	39.23	-97.63
Benzie County, MI	Ozone	Maintenance	100	-	5.91	4.99	-12.41
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	37.85	31.98	-79.51
Billings, MT	CO	Maintenance	100	-	-9.73	-25.14	-85.28
Birmingham, AL	Ozone	Maintenance	100	-	260.31	219.22	-551.26
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	261.15	219.94	-553.04
Boise-Northern Ada County, ID	CO	Maintenance	100	-	83.50	70.32	-176.86
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	83.50	70.32	-176.86
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	4.31	3.64	-9.05
Boston, MA	CO	Maintenance	100	-	219.96	185.84	-462.05
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	1,317.15	1,112.88	-2,766.86
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	167.76	141.74	-352.40
Boyd County (part), KY	SO _x	Maintenance	100	-	2.51	2.12	-5.26
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	297.42	251.29	-624.77
Burlington, NJ	CO	Maintenance	100	-	2.12	1.79	-4.45
Butte, MT	PM ₁₀	Moderate	100	-	5.37	4.54	-11.29
Canon City, CO	PM ₁₀	Maintenance	100	-	5.02	4.25	-10.55
Canton-Massillon, OH	Ozone	Maintenance	100	-	68.65	53.73	-170.88
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	68.65	53.73	-170.88
Case County, MI	Ozone	Maintenance	100	-	11.25	9.51	-23.63
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.18	0.15	-0.37
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	1.64	1.39	-3.45
Charleston, WV	Ozone	Maintenance	100	-	71.31	60.25	-149.79
Charleston, WV	PM _{2.5}	Nonattainment	100	-	71.31	60.25	-149.79
Charlotte, NC	CO	Maintenance	100	-	190.03	160.56	-399.19

**Table B1-2
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Carbon Monoxide (CO) 2025**

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	424.94	359.04	-892.65
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	140.80	118.96	-295.81
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	128.19	108.30	-269.32
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	1,606.78	1,229.61	-4,174.48
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	1,668.83	1,282.05	-4,304.84
Chico, CA	CO	Maintenance	100	-	28.06	23.71	-58.95
Chico, CA	Ozone	Former Subpart 1	50	-	64.67	54.64	-135.85
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	508.43	429.58	-1,068.03
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	493.59	417.04	-1,036.85
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	3.58	3.02	-7.54
Clark County, NV	PM ₁₀	Serious	70	-	387.75	327.61	-814.52
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	66.96	56.58	-140.66
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	46.46	39.25	-97.59
Cleveland, OH	CO	Maintenance	100	-	241.14	203.75	-506.56
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	663.58	560.67	-1,393.95
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	611.88	516.98	-1,285.33
Coachella Valley, CA	PM ₁₀	Serious	70	-	165.18	139.56	-346.98
Colbert County, AL	SO _x	Maintenance	100	-	15.37	12.99	-32.29
Colorado Springs, CO	CO	Maintenance	100	-	151.23	126.99	-322.55
Columbia Falls, MT	PM ₁₀	Moderate	100	-	1.42	1.20	-2.97
Columbia, SC	Ozone	Former Subpart 1	50	-	167.85	141.82	-352.59
Columbus, OH	Ozone	Maintenance	100	-	433.76	366.49	-911.17
Columbus, OH	PM _{2.5}	Nonattainment	100	-	402.33	339.93	-845.15
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.85	0.71	-1.83
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.09	0.08	-0.19
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	241.15	203.75	-506.57
Cuyahoga County, OH	SO _x	Maintenance	100	-	197.18	166.60	-414.20
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	1,798.75	1,519.25	-3,781.89
Dayton-Springfield, OH	Ozone	Maintenance	100	-	215.39	181.99	-452.45
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	190.37	160.85	-399.90
Denver Metro, CO	PM ₁₀	Maintenance	100	-	753.88	627.23	-1,644.40
Denver-Boulder, CO	CO	Maintenance	100	-	720.38	598.93	-1,574.04
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	912.20	760.98	-1,977.09
Detroit, MI	CO	Maintenance	100	-	403.37	337.04	-870.96
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	1,184.82	996.14	-2,519.67
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	1,162.65	977.41	-2,473.10
Door County, WI	Ozone	Former Subpart 1	50	-	9.51	8.03	-19.97
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	9.12	7.71	-19.16
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	7.22	6.10	-15.16
Duluth, MN	CO	Maintenance	100	-	20.98	17.73	-44.08
Eagle River, AK	PM ₁₀	Moderate	100	-	2.21	1.87	-4.65
East Chicago, IN	CO	Maintenance	100	-	0.27	0.23	-0.58
East Chicago, IN	PM ₁₀	Maintenance	100	-	-56.59	-112.88	-287.53
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.26	0.22	-0.54
El Paso County, TX	PM ₁₀	Moderate	100	-	116.69	93.47	-277.13
El Paso, TX	CO	Maintenance	100	-	8.08	6.82	-16.99
Erie, PA	Ozone	Maintenance	100	-	58.71	49.60	-123.33

Table B1-2
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Carbon Monoxide (CO) 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.40	0.34	-0.85
Eugene-Springfield, OR	CO	Maintenance	100	-	59.38	50.17	-124.74
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	56.75	47.95	-119.22
Evansville, IN	Ozone	Maintenance	100	-	65.31	55.19	-137.20
Evansville, IN	PM _{2.5}	Nonattainment	100	-	83.99	70.97	-176.44
Fairbanks, AK	CO	Maintenance	100	-	4.48	3.78	-9.40
Fayetteville, NC	Ozone	Former Subpart 1	50	-	76.07	64.28	-159.80
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	1.85	1.56	-3.89
Flint, MI	Ozone	Maintenance	100	-	133.87	113.11	-281.21
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.29	0.25	-0.61
Fort Collins, CO	CO	Maintenance	100	-	45.59	38.52	-95.76
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.18	0.16	-0.39
Fort Wayne, IN	Ozone	Maintenance	100	-	94.08	79.49	-197.63
Franklin County, PA	Ozone	Maintenance	100	-	39.25	33.16	-82.44
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.20	0.17	-0.41
Frederick County, VA	Ozone	Former Subpart 1	50	-	33.68	28.45	-70.74
Fredericksburg, VA	Ozone	Maintenance	100	-	107.09	90.48	-224.95
Freehold, NJ	CO	Maintenance	100	-	4.46	3.77	-9.37
Fresno, CA	CO	Maintenance	100	-	152.02	128.34	-319.99
Grand Rapids, MI	Ozone	Maintenance	100	-	209.41	176.94	-439.90
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	10.51	8.87	-22.09
Grant County, NM	SO _x	Maintenance	100	-	0.69	0.58	-1.45
Grants Pass, OR	CO	Maintenance	100	-	0.12	0.10	-0.24
Grants Pass, OR	PM ₁₀	Maintenance	100	-	8.49	7.17	-17.83
Great Falls, MT	CO	Maintenance	100	-	5.03	4.25	-10.57
Greater Connecticut, CT	Ozone	Moderate	50	-	423.55	357.73	-890.56
Greeley, CO	CO	Maintenance	100	-	31.80	26.87	-66.80
Green Bay, WI	SO _x	Maintenance	100	-	31.71	26.79	-66.61
Greene County, IN	Ozone	Maintenance	100	-	12.53	10.58	-26.31
Greene County, PA	Ozone	Maintenance	100	-	11.70	9.88	-24.57
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	418.15	353.12	-879.46
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	206.61	174.39	-435.10
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	230.95	194.95	-486.31
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	5.81	4.90	-12.19
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	29.66	25.06	-62.32
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	220.58	186.32	-463.72
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	203.61	171.98	-428.07
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	274.01	231.38	-576.43
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	2.58	2.18	-5.43
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	10.10	8.54	-21.22
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	1.27	1.07	-2.67
Hazelwood, PA	SO _x	Maintenance	100	-	10.34	8.73	-21.76
Hickory, NC	PM _{2.5}	Nonattainment	100	-	45.88	38.77	-96.38
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	75.58	63.86	-158.76
Hollis Township, IL	SO _x	Maintenance	100	-	0.62	0.52	-1.30
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	1,218.37	890.71	-3,425.64
Humphreys County, TN	SO _x	Maintenance	100	-	0.70	0.60	-1.48
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-29.98	-89.59	-338.36

Table B1-2
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Carbon Monoxide (CO) 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-65.79	-119.85	-263.14
Huron County, MI	Ozone	Maintenance	100	-	7.33	6.19	-15.39
Imperial County, CA	Ozone	Moderate	50	-	56.57	47.79	-118.83
Imperial Valley, CA	PM ₁₀	Serious	70	-	55.31	46.74	-116.19
Indian Wells, CA	PM ₁₀	Maintenance	100	-	8.64	7.30	-18.14
Indianapolis, IN	CO	Maintenance	100	-	0.25	0.22	-0.54
Indianapolis, IN	Ozone	Maintenance	100	-	516.92	436.75	-1,085.86
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	409.72	346.17	-860.67
Jackson County, IN	Ozone	Maintenance	100	-	20.42	17.25	-42.89
Jamestown, NY	Ozone	Former Subpart 1	50	-	39.99	33.79	-84.00
Jefferson County, NY	Ozone	Moderate	50	-	31.84	26.90	-66.89
Jefferson County, OH	PM ₁₀	Maintenance	100	-	1.99	1.68	-4.19
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	55.82	47.16	-117.25
Johnstown, PA	Ozone	Maintenance	100	-	26.02	21.98	-54.65
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	28.53	24.11	-59.94
Juneau, AK	PM ₁₀	Moderate	100	-	2.79	2.35	-5.85
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	130.01	109.85	-273.11
Kalispell, MT	PM ₁₀	Moderate	100	-	7.58	6.41	-15.93
Kansas City, MO-KS	Ozone	Maintenance	100	-	428.88	361.80	-904.46
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	37.00	31.27	-77.73
Kent, WA	PM ₁₀	Maintenance	100	-	6.46	5.46	-13.57
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	21.33	18.02	-44.80
Kewaunee County, WI	Ozone	Maintenance	100	-	6.35	5.36	-13.34
King County, WA	PM ₁₀	Maintenance	100	-	2.64	2.23	-5.55
Klamath Falls, OR	CO	Maintenance	100	-	12.73	10.76	-26.74
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	12.73	10.76	-26.74
Knoxville, TN	Ozone	Former Subpart 1	50	-	306.66	259.10	-644.19
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	237.29	200.49	-498.47
La Porte County, IN	SO _x	Maintenance	100	-	8.94	7.55	-18.78
LaGrande, OR	PM ₁₀	Maintenance	100	-	3.87	3.27	-8.12
Lake County, IN	SO _x	Maintenance	100	-	78.03	65.75	-165.07
Lake County, OH	SO _x	Maintenance	100	-	9.20	7.77	-19.32
Lake County, OR	PM ₁₀	Maintenance	100	-	1.56	1.32	-3.29
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	7.59	6.41	-15.94
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	16.22	13.70	-34.07
Lake Tahoe, NV	CO	Maintenance	100	-	5.21	4.40	-10.94
Lamar, CO	PM ₁₀	Maintenance	100	-	2.28	1.92	-4.78
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.37	0.31	-0.77
Lancaster, PA	Ozone	Maintenance	100	-	116.04	97.97	-244.24
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	116.04	97.97	-244.24
Lane County, OR	PM ₁₀	Moderate	100	-	0.37	0.31	-0.78
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	122.91	103.85	-258.19
LaPorte, IN	Ozone	Maintenance	100	-	25.02	21.14	-52.56
Las Vegas, NV	CO	Serious	100	-	387.75	327.61	-814.52
Las Vegas, NV	Ozone	Former Subpart 1	50	-	393.47	332.45	-826.54
Lauderdale County, AL	SO _x	Maintenance	100	-	22.63	19.12	-47.54
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.45	0.38	-0.93
Libby, MT	PM ₁₀	Moderate	100	-	1.13	0.95	-2.37
Libby, MT	PM _{2.5}	Nonattainment	100	-	1.50	1.27	-3.16

Table B1-2
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Carbon Monoxide (CO) 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	3.58	3.02	-7.53
Lima, OH	Ozone	Maintenance	100	-	8.10	-5.01	-91.00
Longmont, CO	CO	Maintenance	100	-	23.55	19.90	-49.47
Lorain County, OH	SO _x	Maintenance	100	-	11.83	10.00	-24.85
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	3,767.69	3,081.80	-8,548.89
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	3,767.69	3,081.80	-8,548.89
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	3,767.69	3,081.80	-8,548.89
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	3,767.73	3,081.84	-8,548.98
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	3,767.49	3,081.63	-8,548.48
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	178.38	150.71	-374.71
Louisville, KY-IN	Ozone	Maintenance	100	-	290.75	245.66	-610.76
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	281.26	237.64	-590.83
Lowell, MA	CO	Maintenance	100	-	29.26	24.72	-61.46
Lucas County, OH	SO _x	Maintenance	100	-	76.93	65.00	-161.60
Lyons Township, IL	PM ₁₀	Maintenance	100	-	16.00	13.52	-33.62
Macon, GA	Ozone	Maintenance	100	-	53.94	45.58	-113.32
Macon, GA	PM _{2.5}	Nonattainment	100	-	53.37	45.10	-112.12
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.74	0.63	-1.56
Madison, WI	SO _x	Maintenance	100	-	63.23	53.42	-132.81
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	2.46	2.08	-5.16
Manchester, NH	CO	Maintenance	100	-	19.91	16.82	-41.83
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	26.10	22.05	-54.82
Marion County, IN	SO _x	Maintenance	100	-	80.56	68.07	-169.23
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	29.08	24.57	-61.09
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	82.20	69.45	-172.68
Mason County, MI	Ozone	Maintenance	100	-	6.80	5.74	-14.27
Medford, OR	CO	Maintenance	100	-	20.13	17.01	-42.29
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	48.02	40.57	-100.88
Memphis, TN-AR	Ozone	Maintenance	100	-	247.65	203.64	-555.18
Memphis, TN	CO	Maintenance	100	-	227.02	186.22	-511.86
Miami (Gila County), AZ	SO _x	Maintenance	100	-	7.60	6.42	-15.96
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	1.35	1.14	-2.85
Milwaukee, WI	SO _x	Maintenance	100	-	136.08	114.98	-285.86
Milwaukee-Racine, WI	Ozone	Moderate	50	-	458.92	387.75	-964.03
Minneapolis-St Paul, MN	CO	Maintenance	100	-	502.55	281.36	-1,950.36
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	721.72	609.26	-1,519.39
Missoula, MT	CO	Maintenance	100	-	15.39	12.74	-33.97
Missoula, MT	PM ₁₀	Moderate	100	-	14.91	12.34	-32.91
Modesto, CA	CO	Maintenance	100	-	79.75	67.39	-167.54
Mohave County, AZ	PM ₁₀	Maintenance	100	-	26.78	22.62	-56.25
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.37	0.31	-0.78
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.86	0.73	-1.80
Morristown, NJ	CO	Maintenance	100	-	8.41	7.11	-17.68
Muhlenberg County, KY	SO _x	Maintenance	100	-	7.47	6.32	-15.70
Muncie, IN	Ozone	Maintenance	100	-	29.80	25.18	-62.61
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	1.14	0.96	-2.39
Muscatine County, IA	SO _x	Maintenance	100	-	3.90	3.30	-8.20
Muskegon, MI	Ozone	Maintenance	100	-	33.34	28.16	-70.11
Nashua, NH	CO	Maintenance	100	-	15.88	13.42	-33.37

Table B1-2
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Carbon Monoxide (CO) 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Nashville, TN	Ozone	Former Subpart 1	50	-	421.95	356.33	-887.48
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	36.39	30.74	-76.44
New Haven County, CT	PM ₁₀	Maintenance	100	-	35.85	30.29	-75.31
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	202.50	171.10	-425.38
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	1.54	1.30	-3.24
New York County, NY	PM ₁₀	Moderate	100	-	117.54	99.31	-246.92
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	2,006.73	1,689.94	-4,250.18
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	3,814.68	3,214.71	-8,065.51
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	3,782.26	3,187.32	-7,997.41
Nogales, AZ	PM ₁₀	Moderate	100	-	10.53	8.90	-22.12
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-310.69	-688.51	-2,007.89
Ogden, UT	CO	Maintenance	100	-	18.10	15.30	-38.03
Ogden, UT	PM ₁₀	Moderate	100	-	18.10	15.30	-38.03
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.62	0.52	-1.29
Olmsted County, MN	PM ₁₀	Maintenance	100	-	5.43	4.59	-11.40
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	27.68	23.39	-58.15
Owens Valley, CA	PM ₁₀	Serious	70	-	1.00	0.84	-2.10
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.04	0.03	-0.09
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	37.35	31.56	-78.46
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	37.61	31.77	-79.00
Payson, AZ	PM ₁₀	Maintenance	100	-	5.03	4.25	-10.57
Penns Grove, NJ	CO	Maintenance	100	-	0.12	0.10	-0.26
Peoria, IL	SO _x	Maintenance	100	-	25.71	21.70	-54.13
Perth Amboy, NJ	CO	Maintenance	100	-	15.64	10.50	-49.82
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	100.48	84.89	-211.07
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	1,008.97	772.68	-2,617.94
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	1,545.25	1,225.71	-3,744.93
Phoenix, AZ	CO	Maintenance	100	-	1,214.92	1,026.34	-2,553.12
Phoenix, AZ	PM ₁₀	Serious	70	-	1,251.90	1,057.58	-2,630.81
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	1,256.14	1,061.17	-2,639.73
Pierce County, WA	PM ₁₀	Maintenance	100	-	2.76	2.33	-5.80
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.34	0.28	-0.71
Pittsburgh, PA	CO	Maintenance	100	-	5.97	5.04	-12.57
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	515.76	435.63	-1,084.32
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	471.17	397.96	-990.64
Polk County, TN	SO _x	Maintenance	100	-	5.41	4.57	-11.36
Polson, MT	PM ₁₀	Moderate	100	-	0.76	0.64	-1.59
Portland, ME	Ozone	Maintenance	100	-	143.84	121.08	-304.99
Portland, OR	CO	Maintenance	100	-	298.00	251.37	-628.58
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	11.30	9.54	-23.73
Poughkeepsie, NY	Ozone	Moderate	50	-	352.14	297.52	-739.71
Presque Isle, ME	PM ₁₀	Maintenance	100	-	2.38	2.01	-4.99
Providence (entire State), RI	Ozone	Moderate	50	-	252.73	212.96	-534.43
Provo, UT	CO	Maintenance	100	-	42.00	35.49	-88.23
Raleigh-Durham, NC	CO	Maintenance	100	-	336.26	284.01	-707.00

Table B1-2
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Carbon Monoxide (CO) 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	458.54	387.33	-963.87
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.50	0.42	-1.06
Reading, PA	Ozone	Maintenance	100	-	85.82	72.51	-180.27
Reading, PA	PM _{2.5}	Nonattainment	100	-	85.82	72.51	-180.27
Reno, NV	CO	Maintenance	100	-	62.94	53.18	-132.22
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.25	0.21	-0.52
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	315.30	266.26	-663.20
Rillito, AZ	PM ₁₀	Moderate	100	-	12.57	10.62	-26.40
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	165.18	139.56	-346.98
Roanoke, VA	Ozone	Former Subpart 1	50	-	67.53	57.06	-141.85
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	20.69	17.48	-43.47
Rochester, NY	Ozone	Former Subpart 1	50	-	344.76	291.30	-724.23
Rocky Mount, NC	Ozone	Maintenance	100	-	47.84	40.42	-100.49
Rome, GA	PM _{2.5}	Nonattainment	100	-	30.93	26.14	-64.98
Ronan, MT	PM ₁₀	Moderate	100	-	0.29	0.25	-0.62
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.65	0.55	-1.37
Sacramento County, CA	PM ₁₀	Moderate	100	-	385.73	325.91	-810.28
Sacramento Metro, CA	Ozone	Severe	25	-	692.38	584.27	-1,458.98
Sacramento, CA	CO	Maintenance	100	-	430.28	363.46	-904.42
Salem, OR	CO	Maintenance	100	-	33.77	28.53	-70.93
Salt Lake City, UT	CO	Maintenance	100	-	52.00	42.31	-119.40
Salt Lake County, UT	PM ₁₀	Moderate	100	-	262.64	220.28	-561.86
Salt Lake County, UT	SO _x	Nonattainment	100	-	265.37	224.21	-557.45
San Antonio, TX	Ozone	Former Subpart 1	50	-	478.74	404.34	-1,006.68
San Bernardino County, CA	PM ₁₀	Moderate	100	-	110.92	93.72	-233.01
San Diego, CA	CO	Maintenance	100	-	1,071.46	905.29	-2,250.75
San Diego, CA	Ozone	Former Subpart 1	50	-	1,073.45	906.97	-2,254.92
San Francisco Bay Area, CA	Ozone	Marginal	50	-	1,612.97	1,340.27	-3,529.08
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	1,832.51	1,525.77	-3,990.26
San Joaquin Valley, CA	Ozone	Extreme	10	-	1,171.37	988.60	-2,467.51
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	1,176.28	992.75	-2,477.82
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	1,171.37	988.60	-2,467.51
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	8.67	7.32	-18.21
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.18	0.15	-0.38
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	172.38	145.65	-362.12
Seattle-Tacoma, WA	CO	Maintenance	100	-	770.27	650.81	-1,618.06
Sheboygan, WI	Ozone	Moderate	50	-	30.61	25.86	-64.30
Sheridan, WY	PM ₁₀	Moderate	100	-	5.62	4.75	-11.81
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.01	0.00	-0.01
Somerville, NJ	CO	Maintenance	100	-	4.49	3.79	-9.43
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	116.38	98.30	-244.64
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	44.96	37.98	-94.46
Spokane County, WA	PM ₁₀	Maintenance	100	-	76.52	64.66	-160.75
Spokane, WA	CO	Maintenance	100	-	75.74	63.99	-159.10
Springfield (western MA), MA	Ozone	Moderate	50	-	229.55	193.71	-483.70
Springfield, MA	CO	Maintenance	100	-	36.90	31.09	-78.07
St Louis, MO	CO	Maintenance	100	-	236.01	199.41	-495.77
St Louis, MO-IL	Ozone	Moderate	50	-	722.94	587.61	-1,663.63

Table B1-2
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Carbon Monoxide (CO) 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	717.93	583.37	-1,653.10
State College, PA	Ozone	Maintenance	100	-	44.00	37.18	-92.44
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	4.75	4.02	-9.98
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	10.99	9.28	-23.08
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	22.64	17.91	-55.20
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	22.64	17.91	-55.20
Stockton, CA	CO	Maintenance	100	-	119.83	101.25	-251.72
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	132.22	111.71	-277.74
Telluride, CO	PM ₁₀	Maintenance	100	-	0.38	0.32	-0.79
Terre Haute, IN	Ozone	Maintenance	100	-	33.87	28.62	-71.14
Tioga County, PA	Ozone	Maintenance	100	-	14.51	12.26	-30.49
Toledo, OH	Ozone	Maintenance	100	-	83.39	36.02	-390.25
Toms River, NJ	CO	Maintenance	100	-	25.60	21.63	-53.79
Tooele County, UT	SO _x	Nonattainment	100	-	25.99	21.96	-54.60
Trenton, NJ	CO	Maintenance	100	-	22.78	19.25	-47.85
Trona, CA	PM ₁₀	Moderate	100	-	0.81	0.69	-1.70
Tucson, AZ	CO	Maintenance	100	-	256.14	216.42	-538.06
Utah County, UT	PM ₁₀	Moderate	100	-	124.96	105.58	-262.49
Vancouver, WA	CO	Maintenance	100	-	80.13	67.71	-168.33
Ventura County, CA	Ozone	Serious	50	-	215.82	181.79	-456.90
Vermillion County, IN	PM ₁₀	Maintenance	100	-	1.85	1.56	-3.89
Vigo County, IN	SO _x	Maintenance	100	-	33.87	28.62	-71.14
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	14.54	12.29	-30.55
Warren County, NJ	SO _x	Maintenance	100	-	9.24	7.80	-19.40
Warren County, PA	SO _x	Nonattainment	100	-	3.62	3.03	-7.82
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	54.76	46.27	-115.03
Washington, DC-MD-VA	CO	Maintenance	100	-	403.33	340.78	-847.25
Washington, DC-MD-VA	Ozone	Moderate	50	-	1,391.17	1,175.42	-2,922.36
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	1,362.18	1,150.92	-2,861.44
Washoe County, NV	PM ₁₀	Serious	70	-	62.94	53.18	-132.22
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	1.05	0.89	-2.21
Wayne County, IN	SO _x	Maintenance	100	-	18.46	15.60	-38.79
Wayne County, MI	PM ₁₀	Maintenance	100	-	14.65	9.86	-46.51
Weirton, WV	PM ₁₀	Maintenance	100	-	2.48	2.10	-5.22
Weirton, WV	SO _x	Maintenance	100	-	3.26	2.75	-6.85
Wheeling, WV-OH	Ozone	Maintenance	100	-	38.44	32.48	-80.76
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	38.44	32.48	-80.76
Winston-Salem, NC	CO	Maintenance	100	-	105.84	89.42	-222.33
Worcester, MA	CO	Maintenance	100	-	56.09	47.39	-117.83
Yakima County, WA	PM ₁₀	Maintenance	100	-	23.97	20.25	-50.34
Yakima, WA	CO	Maintenance	100	-	9.86	8.33	-20.70

**Table B1-2
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Carbon Monoxide (CO) 2025**

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
York, PA	Ozone	Maintenance	100	-	114.64	96.86	-240.82
York, PA	PM _{2.5}	Nonattainment	100	-	89.15	75.32	-187.27
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	164.38	138.88	-345.30
Yuma, AZ	PM ₁₀	Moderate	100	-	47.84	40.42	-100.50

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

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

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

Source: EPA, 2008.

**Table B1-3
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Carbon Monoxide (CO) 2040**

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	1.73	0.31	-9.01
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	3.99	0.73	-20.82
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	4.15	0.75	-21.62
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	1,231.41	223.69	-6,419.92
Albuquerque, NM	CO	Maintenance	100	-	560.22	101.92	-2,919.95
Allegan County, MI	Ozone	Former Subpart 1	50	-	148.83	27.08	-775.70
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	567.89	102.75	-2,962.66
Altoona, PA	Ozone	Maintenance	100	-	90.44	16.45	-471.36
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	193.91	35.28	-1,010.70
Anchorage, AK	CO	Maintenance	100	-	145.43	26.46	-757.98
Anthony, NM	PM ₁₀	Moderate	100	-	7.01	1.27	-36.52
Armstrong County, PA	SO _x	Nonattainment	100	-	4.67	0.85	-24.33
Aspen, CO	PM ₁₀	Maintenance	100	-	7.07	1.29	-36.87
Atlanta, GA	Ozone	Moderate	50	-	6,732.47	1,223.53	-35,096.78
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	6,735.35	1,224.05	-35,111.78
Atlantic City, NJ	CO	Maintenance	100	-	47.49	8.64	-247.52
Bakersfield, CA	CO	Maintenance	100	-	446.27	76.41	-2,349.55
Baltimore, MD	CO	Maintenance	100	-	9.20	1.59	-48.37
Baltimore, MD	Ozone	Moderate	50	-	2,945.60	533.30	-15,365.54
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	2,945.55	533.29	-15,365.30
Baton Rouge, LA	Ozone	Moderate	50	-	273.54	-459.85	-3,934.67
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	10.24	-435.48	-2,206.50
Benton County, TN	SO _x	Maintenance	100	-	1.04	0.19	-5.43
Benton Harbor, MI	Ozone	Maintenance	100	-	156.75	28.46	-817.30
Benzie County, MI	Ozone	Maintenance	100	-	24.68	4.49	-128.63
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	145.25	26.42	-757.04
Billings, MT	CO	Maintenance	100	-	-1.67	-87.87	-422.42
Birmingham, AL	Ozone	Maintenance	100	-	934.11	166.25	-4,886.86
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	937.32	166.84	-4,903.60
Boise-Northern Ada County, ID	CO	Maintenance	100	-	324.40	57.81	-1,696.72
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	324.40	57.81	-1,696.72
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	17.81	3.24	-92.85
Boston, MA	CO	Maintenance	100	-	802.62	146.02	-4,183.33
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	4,907.56	892.83	-25,578.74
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	641.89	116.78	-3,345.61
Boyd County (part), KY	SO _x	Maintenance	100	-	8.68	1.58	-45.23
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	1,074.86	195.55	-5,602.28
Burlington, NJ	CO	Maintenance	100	-	6.47	1.18	-33.72
Butte, MT	PM ₁₀	Moderate	100	-	17.69	3.22	-92.20
Canon City, CO	PM ₁₀	Maintenance	100	-	20.43	3.72	-106.48
Canton-Massillon, OH	Ozone	Maintenance	100	-	249.50	23.29	-1,409.23
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	249.50	23.29	-1,409.23
Case County, MI	Ozone	Maintenance	100	-	40.43	7.36	-210.73
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.71	0.13	-3.71
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	5.29	0.96	-27.60
Charleston, WV	Ozone	Maintenance	100	-	243.14	44.24	-1,267.30
Charleston, WV	PM _{2.5}	Nonattainment	100	-	243.14	44.24	-1,267.30
Charlotte, NC	CO	Maintenance	100	-	745.92	135.71	-3,887.83
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	1,646.72	299.59	-8,582.87

Table B1-3
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Carbon Monoxide (CO) 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	508.70	92.51	-2,651.56
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	467.46	85.01	-2,436.59
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	6,380.77	498.77	-36,516.86
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	6,615.17	541.42	-37,738.55
Chico, CA	CO	Maintenance	100	-	124.60	22.67	-649.42
Chico, CA	Ozone	Former Subpart 1	50	-	273.80	49.81	-1,427.07
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	1,891.60	344.14	-9,859.21
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	1,833.22	333.52	-9,554.91
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	11.64	2.11	-60.71
Clark County, NV	PM ₁₀	Serious	70	-	1,597.11	290.56	-8,324.30
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	259.06	47.13	-1,350.25
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	167.63	30.50	-873.70
Cleveland, OH	CO	Maintenance	100	-	810.70	147.49	-4,225.43
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	2,383.57	433.64	-12,423.44
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	2,188.36	398.13	-11,405.97
Coachella Valley, CA	PM ₁₀	Serious	70	-	709.66	129.11	-3,698.80
Colbert County, AL	SO _x	Maintenance	100	-	51.39	9.35	-267.86
Colorado Springs, CO	CO	Maintenance	100	-	605.06	106.03	-3,173.59
Columbia Falls, MT	PM ₁₀	Moderate	100	-	5.75	1.05	-29.95
Columbia, SC	Ozone	Former Subpart 1	50	-	623.76	113.48	-3,251.09
Columbus, OH	Ozone	Maintenance	100	-	1,701.67	309.58	-8,869.27
Columbus, OH	PM _{2.5}	Nonattainment	100	-	1,582.00	287.81	-8,245.58
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	2.71	0.46	-14.33
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.33	0.06	-1.74
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	810.71	147.49	-4,225.51
Cuyahoga County, OH	SO _x	Maintenance	100	-	674.07	122.63	-3,513.34
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	7,191.02	1,305.48	-37,494.07
Dayton-Springfield, OH	Ozone	Maintenance	100	-	759.38	138.15	-3,957.98
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	668.95	121.70	-3,486.66
Denver Metro, CO	PM ₁₀	Maintenance	100	-	2,998.11	495.10	-15,874.32
Denver-Boulder, CO	CO	Maintenance	100	-	2,864.91	470.87	-15,180.08
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	3,625.44	609.13	-19,144.52
Detroit, MI	CO	Maintenance	100	-	1,361.86	228.63	-7,192.35
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	4,380.81	771.50	-22,958.84
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	4,298.53	756.53	-22,529.96
Door County, WI	Ozone	Former Subpart 1	50	-	36.72	6.68	-191.40
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	32.82	5.97	-171.07
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	26.47	4.82	-137.95
Duluth, MN	CO	Maintenance	100	-	72.87	13.26	-379.82
Eagle River, AK	PM ₁₀	Moderate	100	-	9.02	1.64	-47.01
East Chicago, IN	CO	Maintenance	100	-	0.93	0.17	-4.85
East Chicago, IN	PM ₁₀	Maintenance	100	-	-85.16	-352.15	-1,213.59
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.96	0.17	-5.00
El Paso County, TX	PM ₁₀	Moderate	100	-	456.41	56.53	-2,509.34
El Paso, TX	CO	Maintenance	100	-	29.60	5.36	-154.40
Erie, PA	Ozone	Maintenance	100	-	207.98	37.84	-1,084.00
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	1.61	0.29	-8.41

**Table B1-3
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Carbon Monoxide (CO) 2040**

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Eugene-Springfield, OR	CO	Maintenance	100	-	226.00	41.12	-1,177.93
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	216.56	39.40	-1,128.74
Evansville, IN	Ozone	Maintenance	100	-	238.04	43.31	-1,582.68
Evansville, IN	PM _{2.5}	Nonattainment	100	-	303.61	55.23	-1,582.43
Fairbanks, AK	CO	Maintenance	100	-	17.91	3.26	-93.35
Fayetteville, NC	Ozone	Former Subpart 1	50	-	281.38	51.19	-1,466.57
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	7.48	1.36	-38.99
Flint, MI	Ozone	Maintenance	100	-	480.96	87.50	-2,506.84
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.90	0.16	-4.69
Fort Collins, CO	CO	Maintenance	100	-	184.00	33.48	-959.04
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.60	0.11	-3.12
Fort Wayne, IN	Ozone	Maintenance	100	-	348.71	63.44	-1,817.51
Franklin County, PA	Ozone	Maintenance	100	-	148.71	27.05	-775.10
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.69	0.13	-3.59
Frederick County, VA	Ozone	Former Subpart 1	50	-	125.33	22.80	-653.22
Fredericksburg, VA	Ozone	Maintenance	100	-	437.16	79.53	-2,278.53
Freehold, NJ	CO	Maintenance	100	-	18.82	3.42	-98.09
Fresno, CA	CO	Maintenance	100	-	602.61	109.12	-3,143.38
Grand Rapids, MI	Ozone	Maintenance	100	-	807.58	146.92	-4,209.21
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	35.66	6.47	-185.94
Grant County, NM	SO _x	Maintenance	100	-	2.29	0.42	-11.92
Grants Pass, OR	CO	Maintenance	100	-	0.46	0.08	-2.42
Grants Pass, OR	PM ₁₀	Maintenance	100	-	34.28	6.24	-178.67
Great Falls, MT	CO	Maintenance	100	-	16.47	3.00	-85.86
Greater Connecticut, CT	Ozone	Moderate	50	-	1,524.28	276.61	-7,948.15
Greeley, CO	CO	Maintenance	100	-	123.63	22.49	-644.40
Green Bay, WI	SO _x	Maintenance	100	-	119.23	21.69	-621.42
Greene County, IN	Ozone	Maintenance	100	-	46.22	8.41	-240.89
Greene County, PA	Ozone	Maintenance	100	-	41.64	7.58	-217.02
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	1,526.05	276.73	-7,958.35
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	746.94	134.99	-3,897.58
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	823.82	148.91	-4,298.58
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	21.11	3.84	-110.04
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	110.49	20.10	-575.86
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	845.67	153.56	-4,409.19
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	779.78	141.57	-4,065.74
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	973.59	176.43	-5,077.87
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	10.44	1.90	-54.42
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	41.20	7.50	-214.73
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	4.71	0.86	-24.54
Hazelwood, PA	SO _x	Maintenance	100	-	37.59	6.80	-196.07
Hickory, NC	PM _{2.5}	Nonattainment	100	-	160.74	29.24	-837.81
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	270.03	49.13	-1,407.41
Hollis Township, IL	SO _x	Maintenance	100	-	2.12	0.38	-11.05
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	4,978.74	188.16	-29,482.76
Humphreys County, TN	SO _x	Maintenance	100	-	2.61	0.47	-13.59
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	3.87	-331.76	-1,656.98
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-126.45	-355.47	-977.74
Huron County, MI	Ozone	Maintenance	100	-	25.85	4.70	-134.71

Table B1-3
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Carbon Monoxide (CO) 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Imperial County, CA	Ozone	Moderate	50	-	231.27	42.08	-1,205.42
Imperial Valley, CA	PM ₁₀	Serious	70	-	226.42	41.19	-1,180.15
Indian Wells, CA	PM ₁₀	Maintenance	100	-	30.68	5.58	-159.89
Indianapolis, IN	CO	Maintenance	100	-	0.81	0.15	-4.21
Indianapolis, IN	Ozone	Maintenance	100	-	1,973.73	359.08	-10,287.28
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	1,567.95	285.26	-8,172.34
Jackson County, IN	Ozone	Maintenance	100	-	73.71	13.41	-384.17
Jamestown, NY	Ozone	Former Subpart 1	50	-	144.28	26.25	-751.99
Jefferson County, NY	Ozone	Moderate	50	-	116.21	21.14	-605.68
Jefferson County, OH	PM ₁₀	Maintenance	100	-	6.44	1.17	-33.55
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	198.55	36.12	-1,034.84
Johnstown, PA	Ozone	Maintenance	100	-	82.29	14.97	-428.90
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	90.56	16.48	-472.03
Juneau, AK	PM ₁₀	Moderate	100	-	11.82	2.15	-61.61
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	469.92	85.49	-2,449.29
Kalispell, MT	PM ₁₀	Moderate	100	-	30.40	5.53	-158.44
Kansas City, MO-KS	Ozone	Maintenance	100	-	1,644.33	296.23	-8,584.84
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	142.53	25.93	-742.88
Kent, WA	PM ₁₀	Maintenance	100	-	26.12	4.75	-136.14
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	77.96	14.18	-406.36
Kewaunee County, WI	Ozone	Maintenance	100	-	22.66	4.12	-118.10
King County, WA	PM ₁₀	Maintenance	100	-	10.33	1.88	-53.86
Klamath Falls, OR	CO	Maintenance	100	-	45.40	8.26	-236.61
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	45.40	8.26	-236.61
Knoxville, TN	Ozone	Former Subpart 1	50	-	1,211.74	220.45	-6,315.72
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	924.14	168.13	-4,816.70
La Porte County, IN	SO _x	Maintenance	100	-	30.79	5.60	-160.47
LaGrande, OR	PM ₁₀	Maintenance	100	-	14.14	2.57	-73.70
Lake County, IN	SO _x	Maintenance	100	-	272.66	48.67	-1,425.71
Lake County, OH	SO _x	Maintenance	100	-	32.98	6.00	-171.89
Lake County, OR	PM ₁₀	Maintenance	100	-	5.46	0.99	-28.45
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	34.65	6.30	-180.61
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	75.97	13.82	-395.96
Lake Tahoe, NV	CO	Maintenance	100	-	19.15	3.48	-99.83
Lamar, CO	PM ₁₀	Maintenance	100	-	8.08	1.47	-42.13
Lame Deer, MT	PM ₁₀	Moderate	100	-	1.22	0.22	-6.34
Lancaster, PA	Ozone	Maintenance	100	-	435.86	78.90	-2,273.66
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	435.86	78.90	-2,273.66
Lane County, OR	PM ₁₀	Moderate	100	-	1.21	0.22	-6.31
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	452.74	82.37	-2,359.71
LaPorte, IN	Ozone	Maintenance	100	-	85.79	15.61	-447.17
Las Vegas, NV	CO	Serious	100	-	1,597.11	290.56	-8,324.30
Las Vegas, NV	Ozone	Former Subpart 1	50	-	1,616.82	294.15	-8,427.04
Lauderdale County, AL	SO _x	Maintenance	100	-	79.19	14.41	-412.75
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	1.60	0.29	-8.35
Libby, MT	PM ₁₀	Moderate	100	-	3.83	0.70	-19.96
Libby, MT	PM _{2.5}	Nonattainment	100	-	5.11	0.93	-26.61
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	11.64	2.11	-60.70
Lima, OH	Ozone	Maintenance	100	-	49.97	-52.20	-562.22

**Table B1-3
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Carbon Monoxide (CO) 2040**

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Longmont, CO	CO	Maintenance	100	-	95.99	17.46	-500.33
Lorain County, OH	SO _x	Maintenance	100	-	43.68	7.95	-227.68
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	14,911.38	2,187.34	-80,306.80
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	14,911.37	2,187.34	-80,306.78
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	14,911.37	2,187.34	-80,306.78
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	14,911.52	2,187.36	-80,307.53
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	14,910.67	2,187.21	-80,303.11
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	701.42	127.61	-3,655.89
Louisville, KY-IN	Ozone	Maintenance	100	-	1,048.52	190.76	-5,464.99
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	1,005.33	182.90	-5,239.89
Lowell, MA	CO	Maintenance	100	-	112.66	20.50	-587.21
Lucas County, OH	SO _x	Maintenance	100	-	266.26	48.44	-1,387.75
Lyons Township, IL	PM ₁₀	Maintenance	100	-	55.61	10.11	-289.86
Macon, GA	Ozone	Maintenance	100	-	184.50	33.57	-961.64
Macon, GA	PM _{2.5}	Nonattainment	100	-	182.32	33.17	-950.28
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	2.53	0.46	-13.20
Madison, WI	SO _x	Maintenance	100	-	255.36	46.46	-1,330.96
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	11.60	2.11	-60.45
Manchester, NH	CO	Maintenance	100	-	68.10	12.39	-354.93
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	92.63	16.85	-482.82
Marion County, IN	SO _x	Maintenance	100	-	281.87	51.28	-1,469.13
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	124.81	22.71	-650.53
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	304.21	55.34	-1,585.56
Mason County, MI	Ozone	Maintenance	100	-	25.46	4.63	-132.71
Medford, OR	CO	Maintenance	100	-	82.67	15.04	-430.86
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	198.28	36.07	-1,033.46
Memphis, TN-AR	Ozone	Maintenance	100	-	877.10	130.61	-4,714.14
Memphis, TN	CO	Maintenance	100	-	808.46	118.12	-4,356.37
Miami (Gila County), AZ	SO _x	Maintenance	100	-	30.69	5.58	-159.94
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	4.52	0.81	-23.63
Milwaukee, WI	SO _x	Maintenance	100	-	479.73	87.28	-2,500.41
Milwaukee-Racine, WI	Ozone	Moderate	50	-	1,713.17	311.68	-8,929.25
Minneapolis-St Paul, MN	CO	Maintenance	100	-	2,233.96	-334.72	-15,292.51
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	2,750.39	497.63	-14,348.87
Missoula, MT	CO	Maintenance	100	-	58.98	9.38	-314.09
Missoula, MT	PM ₁₀	Moderate	100	-	57.10	9.08	-304.07
Modesto, CA	CO	Maintenance	100	-	334.61	60.87	-1,744.00
Mohave County, AZ	PM ₁₀	Maintenance	100	-	113.48	20.65	-591.47
Mono Basin, CA	PM ₁₀	Moderate	100	-	1.62	0.30	-8.45
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	3.03	0.55	-15.81
Morristown, NJ	CO	Maintenance	100	-	34.65	6.30	-180.59
Muhlenberg County, KY	SO _x	Maintenance	100	-	25.93	4.72	-135.13
Muncie, IN	Ozone	Maintenance	100	-	98.76	17.97	-514.76
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	4.60	0.84	-23.98
Muscatine County, IA	SO _x	Maintenance	100	-	14.62	2.66	-76.21
Muskegon, MI	Ozone	Maintenance	100	-	124.01	22.50	-646.63
Nashua, NH	CO	Maintenance	100	-	54.84	9.98	-285.84
Nashville, TN	Ozone	Former Subpart 1	50	-	1,628.50	295.35	-8,492.43

**Table B1-3
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Carbon Monoxide (CO) 2040**

Nonattainment Area	Pollutant	Status b/ Subpart 1	General Conformity Threshold c/ 50	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	165.55	30.12	-862.89
New Haven County, CT	PM ₁₀	Maintenance	100	-	143.18	26.05	-746.29
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	722.73	131.49	-3,766.96
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	5.27	0.96	-27.49
New York County, NY	PM ₁₀	Moderate	100	-	403.61	73.43	-2,103.64
New York-N. New Jersey-Long Island, NY-NJ- CT	CO	Maintenance	100	-	7,277.26	1,295.14	-38,071.66
New York-N. New Jersey-Long Island, NY-NJ- CT	PM _{2.5}	Nonattainment	100	-	14,061.20	2,514.87	-73,501.53
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	13,936.12	2,492.11	-72,849.60
Nogales, AZ	PM ₁₀	Moderate	100	-	40.22	7.32	-209.61
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-301.25	-2,258.79	-9,280.61
Ogden, UT	CO	Maintenance	100	-	64.84	11.80	-337.96
Ogden, UT	PM ₁₀	Moderate	100	-	64.84	11.80	-337.97
Oglesby, IL	PM ₁₀	Maintenance	100	-	1.95	0.36	-10.18
Olmsted County, MN	PM ₁₀	Maintenance	100	-	18.46	3.36	-96.23
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	110.87	20.17	-577.85
Owens Valley, CA	PM ₁₀	Serious	70	-	4.32	0.79	-22.54
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.18	0.03	-0.96
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	132.26	24.06	-689.35
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	133.19	24.23	-694.20
Payson, AZ	PM ₁₀	Maintenance	100	-	19.74	3.59	-102.86
Penns Grove, NJ	CO	Maintenance	100	-	0.44	0.08	-2.31
Peoria, IL	SO _x	Maintenance	100	-	90.00	16.27	-469.59
Perth Amboy, NJ	CO	Maintenance	100	-	73.00	-0.78	-449.70
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	340.62	61.97	-1,775.35
Philadelaphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	3,812.65	280.71	-21,904.90
Philidelphia-Wilmington-Atlantic City, PA-NY- MD-DE	Ozone	Moderate	50	-	5,795.09	641.00	-32,239.41
Phoenix, AZ	CO	Maintenance	100	-	5,407.90	983.02	-28,190.71
Phoenix, AZ	PM ₁₀	Serious	70	-	5,556.32	1,010.01	-28,964.33
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	5,572.21	1,012.90	-29,047.14
Pierce County, WA	PM ₁₀	Maintenance	100	-	9.55	1.74	-49.78
Pinehurst, ID	PM ₁₀	Moderate	100	-	1.01	0.18	-5.26
Pittsburgh, PA	CO	Maintenance	100	-	25.02	4.53	-130.52
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	1,833.70	332.87	-9,561.10
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	1,674.40	303.89	-8,730.72
Polk County, TN	SO _x	Maintenance	100	-	19.49	3.55	-101.57
Polson, MT	PM ₁₀	Moderate	100	-	3.12	0.57	-16.25
Portland, ME	Ozone	Maintenance	100	-	533.59	94.74	-2,792.66
Portland, OR	CO	Maintenance	100	-	1,090.04	196.16	-5,691.97
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	40.34	7.34	-210.25
Poughkeepsie, NY	Ozone	Moderate	50	-	1,418.30	258.03	-7,392.35
Presque Isle, ME	PM ₁₀	Maintenance	100	-	8.11	1.48	-42.26
Providence (entire State), RI	Ozone	Moderate	50	-	955.86	170.96	-4,996.51
Provo, UT	CO	Maintenance	100	-	169.55	30.85	-883.73
Raleigh-Durham, NC	CO	Maintenance	100	-	1,330.50	241.53	-6,937.32
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	1,808.46	328.48	-9,428.49
Ramsey County, MN	PM ₁₀	Maintenance	100	-	1.66	0.29	-8.72

**Table B1-3
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Carbon Monoxide (CO) 2040**

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Reading, PA	Ozone	Maintenance	100	-	313.08	56.96	-1,631.79
Reading, PA	PM _{2.5}	Nonattainment	100	-	313.08	56.96	-1,631.79
Reno, NV	CO	Maintenance	100	-	233.28	42.44	-1,215.88
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	1.10	0.20	-5.74
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	1,159.45	210.21	-6,046.77
Rillito, AZ	PM ₁₀	Moderate	100	-	52.53	9.56	-273.79
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	709.66	129.11	-3,698.80
Roanoke, VA	Ozone	Former Subpart 1	50	-	240.64	43.78	-1,254.23
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	78.85	14.35	-410.98
Rochester, NY	Ozone	Former Subpart 1	50	-	1,260.49	229.32	-6,569.81
Rocky Mount, NC	Ozone	Maintenance	100	-	169.66	30.87	-884.28
Rome, GA	PM _{2.5}	Nonattainment	100	-	111.98	20.37	-583.63
Ronan, MT	PM ₁₀	Moderate	100	-	1.19	0.22	-6.20
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	2.29	0.42	-11.91
Sacramento County, CA	PM ₁₀	Moderate	100	-	1,621.16	294.94	-8,449.64
Sacramento Metro, CA	Ozone	Severe	25	-	2,970.60	536.67	-15,501.66
Sacramento, CA	CO	Maintenance	100	-	1,821.93	331.01	-9,498.29
Salem, OR	CO	Maintenance	100	-	121.78	22.16	-634.74
Salt Lake City, UT	CO	Maintenance	100	-	202.37	28.40	-1,096.22
Salt Lake County, UT	PM ₁₀	Moderate	100	-	1,000.07	173.53	-5,253.92
Salt Lake County, UT	SO _x	Nonattainment	100	-	1,006.88	183.18	-5,247.96
San Antonio, TX	Ozone	Former Subpart 1	50	-	1,842.56	334.38	-9,607.72
San Bernardino County, CA	PM ₁₀	Moderate	100	-	435.47	79.22	-2,269.71
San Diego, CA	CO	Maintenance	100	-	4,406.64	801.70	-22,967.88
San Diego, CA	Ozone	Former Subpart 1	50	-	4,415.05	803.23	-23,011.74
San Francisco Bay Area, CA	Ozone	Marginal	50	-	6,426.22	1,052.47	-34,068.42
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	7,256.68	1,203.56	-38,396.88
San Joaquin Valley, CA	Ozone	Extreme	10	-	4,878.87	881.91	-25,457.25
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	4,893.76	884.62	-25,534.87
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	4,878.87	881.91	-25,457.25
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	35.17	6.40	-183.33
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.64	0.12	-3.36
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	630.29	114.67	-3,285.12
Seattle-Tacoma, WA	CO	Maintenance	100	-	2,983.70	542.82	-15,551.38
Sheboygan, WI	Ozone	Moderate	50	-	115.95	21.09	-604.34
Sheridan, WY	PM ₁₀	Moderate	100	-	20.21	3.68	-105.33
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.02	0.00	-0.08
Somerville, NJ	CO	Maintenance	100	-	17.08	3.11	-89.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	425.89	77.34	-2,220.47
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	140.80	25.60	-733.93
Spokane County, WA	PM ₁₀	Maintenance	100	-	295.11	53.69	-1,538.13
Spokane, WA	CO	Maintenance	100	-	291.84	53.09	-1,521.12
Springfield (western MA), MA	Ozone	Moderate	50	-	839.95	151.57	-4,384.03
Springfield, MA	CO	Maintenance	100	-	139.82	24.94	-731.17
St Louis, MO	CO	Maintenance	100	-	774.02	140.82	-4,034.26
St Louis, MO-IL	Ozone	Moderate	50	-	2,601.25	353.13	-14,149.36
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	2,583.42	349.89	-14,056.44
State College, PA	Ozone	Maintenance	100	-	170.89	31.09	-890.70

**Table B1-3
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Carbon Monoxide (CO) 2040**

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	20.60	3.75	-107.36
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	37.10	6.75	-193.38
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	78.07	7.88	-438.08
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	78.07	7.88	-438.08
Stockton, CA	CO	Maintenance	100	-	505.38	91.94	-2,634.09
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.02
Syracuse, NY	CO	Maintenance	100	-	469.28	85.38	-2,445.93
Telluride, CO	PM ₁₀	Maintenance	100	-	1.82	0.33	-9.46
Terre Haute, IN	Ozone	Maintenance	100	-	113.48	20.65	-591.46
Tioga County, PA	Ozone	Maintenance	100	-	50.09	9.11	-261.05
Toledo, OH	Ozone	Maintenance	100	-	355.49	-113.49	-2,729.98
Toms River, NJ	CO	Maintenance	100	-	103.76	18.88	-540.83
Tooele County, UT	SO _x	Nonattainment	100	-	98.83	17.98	-515.11
Trenton, NJ	CO	Maintenance	100	-	84.98	15.46	-442.92
Trona, CA	PM ₁₀	Moderate	100	-	3.40	0.62	-17.71
Tucson, AZ	CO	Maintenance	100	-	1,008.25	183.43	-5,255.12
Utah County, UT	PM ₁₀	Moderate	100	-	492.07	89.52	-2,564.73
Vancouver, WA	CO	Maintenance	100	-	327.59	59.60	-1,707.41
Ventura County, CA	Ozone	Serious	50	-	895.44	159.98	-4,681.51
Vermillion County, IN	PM ₁₀	Maintenance	100	-	6.32	1.15	-32.93
Vigo County, IN	SO _x	Maintenance	100	-	113.48	20.65	-591.46
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Waltham, MA	CO	Maintenance	100	-	52.85	9.61	-275.45
Warren County, NJ	SO _x	Maintenance	100	-	34.61	6.30	-180.39
Warren County, PA	SO _x	Nonattainment	100	-	12.32	2.07	-65.03
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	198.57	36.13	-1,034.96
Washington, DC-MD-VA	CO	Maintenance	100	-	1,515.63	275.74	-7,899.61
Washington, DC-MD-VA	Ozone	Moderate	50	-	5,424.54	986.88	-28,273.30
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	5,304.45	965.04	-27,647.36
Washoe County, NV	PM ₁₀	Serious	70	-	233.28	42.44	-1,215.88
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	3.75	0.68	-19.57
Wayne County, IN	SO _x	Maintenance	100	-	61.11	11.12	-318.53
Wayne County, MI	PM ₁₀	Maintenance	100	-	69.26	-0.56	-425.78
Weirton, WV	PM ₁₀	Maintenance	100	-	7.69	1.40	-40.08
Weirton, WV	SO _x	Maintenance	100	-	10.26	1.87	-53.48
Wheeling, WV-OH	Ozone	Maintenance	100	-	127.82	23.25	-666.21
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	127.82	23.25	-666.21
Winston-Salem, NC	CO	Maintenance	100	-	394.56	71.78	-2,056.50
Worcester, MA	CO	Maintenance	100	-	221.12	40.23	-1,152.48
Yakima County, WA	PM ₁₀	Maintenance	100	-	90.30	16.43	-470.64
Yakima, WA	CO	Maintenance	100	-	40.69	7.40	-212.07
York, PA	Ozone	Maintenance	100	-	437.48	79.59	-2,280.20
York, PA	PM _{2.5}	Nonattainment	100	-	339.21	61.71	-1,768.00
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	559.85	101.85	-2,918.01
Yuma, AZ	PM ₁₀	Moderate	100	-	192.70	35.06	-1,004.35

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

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

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

Source: EPA, 2008.

**Table B1-4
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Carbon Monoxide (CO) 2060**

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	2.42	0.72	-11.02
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	6.21	1.84	-28.25
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	6.44	1.91	-29.29
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	1,907.21	565.30	-8,676.27
Albuquerque, NM	CO	Maintenance	100	-	857.60	254.37	-3,900.52
Allegan County, MI	Ozone	Former Subpart 1	50	-	241.76	71.71	-1,099.57
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	875.53	259.05	-3,985.12
Altoona, PA	Ozone	Maintenance	100	-	129.85	38.51	-590.58
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	345.04	102.34	-1,569.30
Anchorage, AK	CO	Maintenance	100	-	232.35	68.92	-1,056.77
Anthony, NM	PM ₁₀	Moderate	100	-	10.54	3.13	-47.95
Armstrong County, PA	SO _x	Nonattainment	100	-	7.27	2.16	-33.06
Aspen, CO	PM ₁₀	Maintenance	100	-	11.35	3.37	-51.61
Atlanta, GA	Ozone	Moderate	50	-	10,796.57	3,200.85	-49,112.07
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	10,800.02	3,201.87	-49,127.76
Atlantic City, NJ	CO	Maintenance	100	-	70.55	20.93	-320.88
Bakersfield, CA	CO	Maintenance	100	-	722.19	208.43	-3,312.41
Baltimore, MD	CO	Maintenance	100	-	13.70	3.95	-62.83
Baltimore, MD	Ozone	Moderate	50	-	4,650.85	1,376.42	-21,167.69
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	4,650.78	1,376.40	-21,167.37
Baton Rouge, LA	Ozone	Moderate	50	-	510.49	-463.44	-5,278.31
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	68.24	-507.42	-2,847.63
Benton County, TN	SO _x	Maintenance	100	-	1.46	0.43	-6.63
Benton Harbor, MI	Ozone	Maintenance	100	-	220.59	65.36	-1,003.62
Benzie County, MI	Ozone	Maintenance	100	-	41.69	12.37	-189.63
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	230.10	68.25	-1,046.53
Billings, MT	CO	Maintenance	100	-	11.96	-102.10	-562.41
Birmingham, AL	Ozone	Maintenance	100	-	1,394.78	409.24	-6,365.15
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	1,399.94	410.78	-6,388.62
Boise-Northern Ada County, ID	CO	Maintenance	100	-	518.71	152.54	-2,365.49
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	518.71	152.54	-2,365.49
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	30.36	9.00	-138.07
Boston, MA	CO	Maintenance	100	-	1,222.90	362.72	-5,561.99
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	7,585.10	2,249.78	-34,498.56
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	1,012.65	300.36	-4,605.72
Boyd County (part), KY	SO _x	Maintenance	100	-	12.79	3.79	-58.17
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	1,616.93	479.59	-7,354.14
Burlington, NJ	CO	Maintenance	100	-	6.73	1.99	-30.59
Butte, MT	PM ₁₀	Moderate	100	-	24.23	7.19	-110.22
Canon City, CO	PM ₁₀	Maintenance	100	-	34.77	10.31	-158.16
Canton-Massillon, OH	Ozone	Maintenance	100	-	369.28	82.87	-1,807.78
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	369.28	82.87	-1,807.78
Case County, MI	Ozone	Maintenance	100	-	60.50	17.95	-275.19
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	1.22	0.36	-5.53
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	7.08	2.10	-32.21
Charleston, WV	Ozone	Maintenance	100	-	345.82	102.57	-1,572.85

Table B1-4
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Carbon Monoxide (CO) 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Charleston, WV	PM _{2.5}	Nonattainment	100	-	345.82	102.57	-1,572.85
Charlotte, NC	CO	Maintenance	100	-	1,203.19	356.87	-5,472.36
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	2,629.33	779.87	-11,958.71
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	765.24	226.94	-3,480.64
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	708.92	210.23	-3,224.48
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	10,146.66	2,210.82	-49,989.73
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	10,513.00	2,319.48	-51,655.93
Chico, CA	CO	Maintenance	100	-	222.84	66.10	-1,013.53
Chico, CA	Ozone	Former Subpart 1	50	-	466.84	138.47	-2,123.28
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	2,919.74	866.01	-13,279.56
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	2,825.40	838.03	-12,850.51
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	14.88	4.40	-67.73
Clark County, NV	PM ₁₀	Serious	70	-	2,671.91	792.50	-12,152.40
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	413.10	122.53	-1,878.84
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	251.78	74.68	-1,145.17
Cleveland, OH	CO	Maintenance	100	-	1,136.22	337.01	-5,167.75
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	3,565.79	1,057.63	-16,217.93
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	3,260.69	967.14	-14,830.28
Coachella Valley, CA	PM ₁₀	Serious	70	-	1,222.63	362.64	-5,560.78
Colbert County, AL	SO _x	Maintenance	100	-	71.60	21.24	-325.64
Colorado Springs, CO	CO	Maintenance	100	-	989.98	289.02	-4,524.82
Columbia Falls, MT	PM ₁₀	Moderate	100	-	9.53	2.83	-43.32
Columbia, SC	Ozone	Former Subpart 1	50	-	967.92	287.09	-4,402.30
Columbus, OH	Ozone	Maintenance	100	-	2,743.64	813.78	-12,478.63
Columbus, OH	PM _{2.5}	Nonattainment	100	-	2,555.29	757.91	-11,622.00
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	3.25	0.92	-15.01
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.33	0.10	-1.49
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	1,136.22	337.01	-5,167.77
Cuyahoga County, OH	SO _x	Maintenance	100	-	979.65	290.57	-4,455.64
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	11,763.26	3,485.95	-53,516.57
Dayton-Springfield, OH	Ozone	Maintenance	100	-	1,116.26	331.09	-5,076.98
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	980.22	290.74	-4,458.22
Denver Metro, CO	PM ₁₀	Maintenance	100	-	4,868.13	1,384.27	-22,428.01
Denver-Boulder, CO	CO	Maintenance	100	-	4,650.02	1,319.58	-21,436.01
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	5,887.30	1,686.46	-27,063.89
Detroit, MI	CO	Maintenance	100	-	1,749.38	493.83	-8,076.98
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	6,716.76	1,961.45	-30,697.16
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	6,590.02	1,923.86	-30,120.73
Door County, WI	Ozone	Former Subpart 1	50	-	58.50	17.35	-266.07
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	48.39	14.35	-220.09
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	39.87	11.83	-181.34
Duluth, MN	CO	Maintenance	100	-	105.95	31.43	-481.90
Eagle River, AK	PM ₁₀	Moderate	100	-	14.95	4.43	-68.00
East Chicago, IN	CO	Maintenance	100	-	1.30	0.38	-5.94
East Chicago, IN	PM ₁₀	Maintenance	100	-	-86.01	-431.66	-1,561.79
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	1.48	0.44	-6.72
El Paso County, TX	PM ₁₀	Moderate	100	-	721.57	182.08	-3,435.45
El Paso, TX	CO	Maintenance	100	-	44.57	13.20	-202.82

Table B1-4
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Carbon Monoxide (CO) 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Erie, PA	Ozone	Maintenance	100	-	307.14	91.10	-1,396.93
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	2.74	0.81	-12.46
Eugene-Springfield, OR	CO	Maintenance	100	-	357.01	105.89	-1,623.75
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	343.03	101.75	-1,560.18
Evansville, IN	Ozone	Maintenance	100	-	360.82	107.02	-1,641.07
Evansville, IN	PM _{2.5}	Nonattainment	100	-	455.42	135.08	-2,071.35
Fairbanks, AK	CO	Maintenance	100	-	29.12	8.64	-132.46
Fayetteville, NC	Ozone	Former Subpart 1	50	-	432.12	128.17	-1,965.38
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	12.35	3.66	-56.16
Flint, MI	Ozone	Maintenance	100	-	719.62	213.44	-3,272.98
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.93	0.28	-4.25
Fort Collins, CO	CO	Maintenance	100	-	302.88	89.84	-1,377.58
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.79	0.24	-3.61
Fort Wayne, IN	Ozone	Maintenance	100	-	536.50	159.13	-2,440.12
Franklin County, PA	Ozone	Maintenance	100	-	233.13	69.15	-1,060.34
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	1.00	0.30	-4.55
Frederick County, VA	Ozone	Former Subpart 1	50	-	193.50	57.39	-880.06
Fredericksburg, VA	Ozone	Maintenance	100	-	726.49	215.48	-3,304.24
Freehold, NJ	CO	Maintenance	100	-	33.58	9.96	-152.71
Fresno, CA	CO	Maintenance	100	-	971.91	287.73	-4,423.10
Grand Rapids, MI	Ozone	Maintenance	100	-	1,284.46	380.98	-5,841.98
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	49.70	14.73	-226.10
Grant County, NM	SO _x	Maintenance	100	-	3.15	0.94	-14.35
Grants Pass, OR	CO	Maintenance	100	-	0.77	0.23	-3.51
Grants Pass, OR	PM ₁₀	Maintenance	100	-	57.13	16.94	-259.84
Great Falls, MT	CO	Maintenance	100	-	22.10	6.55	-100.50
Greater Connecticut, CT	Ozone	Moderate	50	-	2,284.02	676.64	-10,392.08
Greeley, CO	CO	Maintenance	100	-	198.01	58.73	-900.60
Green Bay, WI	SO _x	Maintenance	100	-	184.02	54.58	-836.94
Greene County, IN	Ozone	Maintenance	100	-	70.82	21.01	-322.11
Greene County, PA	Ozone	Maintenance	100	-	61.77	18.32	-280.92
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	2,315.79	685.88	-10,537.51
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	1,123.74	332.31	-5,115.83
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	1,224.15	362.01	-5,572.91
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	32.00	9.49	-145.54
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	169.74	50.35	-772.03
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	1,338.53	396.67	-6,089.56
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	1,233.15	365.42	-5,610.29
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	1,438.62	425.89	-6,547.03
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	17.23	5.11	-78.38
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	68.78	20.40	-312.85
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	7.32	2.17	-33.27
Hazelwood, PA	SO _x	Maintenance	100	-	58.69	17.36	-267.17
Hickory, NC	PM _{2.5}	Nonattainment	100	-	234.86	69.66	-1,068.18
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	402.22	119.30	-1,829.36
Hollis Township, IL	SO _x	Maintenance	100	-	3.01	0.89	-13.72
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	8,020.36	1,513.80	-40,637.90
Humphreys County, TN	SO _x	Maintenance	100	-	4.04	1.20	-18.36

Table B1-4
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Carbon Monoxide (CO) 2060

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	39.67	-389.35	-2,109.20
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-157.59	-447.86	-1,211.99
Huron County, MI	Ozone	Maintenance	100	-	38.02	11.28	-172.93
Imperial County, CA	Ozone	Moderate	50	-	384.71	114.11	-1,749.72
Imperial Valley, CA	PM ₁₀	Serious	70	-	376.98	111.81	-1,714.56
Indian Wells, CA	PM ₁₀	Maintenance	100	-	44.92	13.32	-204.29
Indianapolis, IN	CO	Maintenance	100	-	1.03	0.31	-4.69
Indianapolis, IN	Ozone	Maintenance	100	-	3,113.87	923.59	-14,162.50
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	2,478.31	735.08	-11,271.84
Jackson County, IN	Ozone	Maintenance	100	-	110.78	32.86	-503.83
Jamestown, NY	Ozone	Former Subpart 1	50	-	216.70	64.27	-985.58
Jefferson County, NY	Ozone	Moderate	50	-	176.36	52.31	-802.10
Jefferson County, OH	PM ₁₀	Maintenance	100	-	8.41	2.49	-38.25
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	294.33	87.30	-1,338.65
Johnstown, PA	Ozone	Maintenance	100	-	107.69	31.94	-489.81
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	118.61	35.18	-539.44
Juneau, AK	PM ₁₀	Moderate	100	-	20.48	6.07	-93.13
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	706.99	209.70	-3,215.55
Kalispell, MT	PM ₁₀	Moderate	100	-	49.84	14.78	-226.67
Kansas City, MO-KS	Ozone	Maintenance	100	-	2,602.01	768.37	-11,850.83
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	226.47	67.17	-1,030.04
Kent, WA	PM ₁₀	Maintenance	100	-	43.49	12.90	-197.81
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	117.51	34.85	-534.46
Kewaunee County, WI	Ozone	Maintenance	100	-	33.70	9.99	-153.25
King County, WA	PM ₁₀	Maintenance	100	-	16.67	4.94	-75.82
Klamath Falls, OR	CO	Maintenance	100	-	67.49	20.02	-306.94
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	67.49	20.02	-306.94
Knoxville, TN	Ozone	Former Subpart 1	50	-	1,964.67	582.73	-8,935.74
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	1,481.39	439.39	-6,737.67
La Porte County, IN	SO _x	Maintenance	100	-	44.24	13.12	-201.23
LaGrande, OR	PM ₁₀	Maintenance	100	-	21.59	6.40	-98.18
Lake County, IN	SO _x	Maintenance	100	-	395.70	116.31	-1,804.83
Lake County, OH	SO _x	Maintenance	100	-	49.33	14.63	-224.36
Lake County, OR	PM ₁₀	Maintenance	100	-	7.99	2.37	-36.32
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	62.25	18.46	-283.14
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	141.72	42.03	-644.56
Lake Tahoe, NV	CO	Maintenance	100	-	28.50	8.45	-129.61
Lamar, CO	PM ₁₀	Maintenance	100	-	12.16	3.61	-55.29
Lame Deer, MT	PM ₁₀	Moderate	100	-	1.65	0.49	-7.52
Lancaster, PA	Ozone	Maintenance	100	-	678.14	200.69	-3,086.47
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	678.14	200.69	-3,086.47
Lane County, OR	PM ₁₀	Moderate	100	-	1.58	0.47	-7.20
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	692.77	205.48	-3,150.85
LaPorte, IN	Ozone	Maintenance	100	-	122.70	36.39	-558.08
Las Vegas, NV	CO	Serious	100	-	2,671.91	792.50	-12,152.40
Las Vegas, NV	Ozone	Former Subpart 1	50	-	2,699.60	800.72	-12,278.32
Lauderdale County, AL	SO _x	Maintenance	100	-	115.57	34.28	-525.62
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	2.40	0.71	-10.91
Libby, MT	PM ₁₀	Moderate	100	-	5.42	1.61	-24.66

Table B1-4
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Carbon Monoxide (CO) 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Libby, MT	PM _{2.5}	Nonattainment	100	-	7.23	2.15	-32.90
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	14.88	4.40	-67.72
Lima, OH	Ozone	Maintenance	100	-	81.44	-49.80	-726.01
Longmont, CO	CO	Maintenance	100	-	161.18	47.81	-733.06
Lorain County, OH	SO _x	Maintenance	100	-	67.18	19.93	-305.56
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	24,014.56	6,488.84	-112,271.65
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	24,014.56	6,488.84	-112,271.63
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	24,014.56	6,488.84	-112,271.63
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	24,014.70	6,488.89	-112,272.30
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	24,013.48	6,488.53	-112,266.76
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	1,134.25	336.42	-5,158.79
Louisville, KY-IN	Ozone	Maintenance	100	-	1,574.24	466.93	-7,159.97
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	1,496.80	443.96	-6,807.77
Lowell, MA	CO	Maintenance	100	-	182.16	54.03	-828.50
Lucas County, OH	SO _x	Maintenance	100	-	383.90	113.87	-1,746.08
Lyons Township, IL	PM ₁₀	Maintenance	100	-	80.30	23.81	-365.24
Macon, GA	Ozone	Maintenance	100	-	263.22	78.07	-1,197.17
Macon, GA	PM _{2.5}	Nonattainment	100	-	259.77	77.05	-1,181.51
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	3.59	1.06	-16.31
Madison, WI	SO _x	Maintenance	100	-	422.42	125.29	-1,921.27
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	22.09	6.55	-100.45
Manchester, NH	CO	Maintenance	100	-	93.93	27.86	-427.20
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	137.06	40.65	-623.39
Marion County, IN	SO _x	Maintenance	100	-	410.88	121.87	-1,868.78
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	214.82	63.72	-977.04
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	467.40	138.63	-2,125.83
Mason County, MI	Ozone	Maintenance	100	-	39.54	11.73	-179.85
Medford, OR	CO	Maintenance	100	-	138.54	41.09	-630.12
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	334.27	99.15	-1,520.31
Memphis, TN-AR	Ozone	Maintenance	100	-	1,284.46	346.03	-6,010.04
Memphis, TN	CO	Maintenance	100	-	1,189.29	317.80	-5,577.16
Miami (Gila County), AZ	SO _x	Maintenance	100	-	50.72	15.05	-230.70
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	6.19	1.83	-28.22
Milwaukee, WI	SO _x	Maintenance	100	-	710.95	210.87	-3,233.55
Milwaukee-Racine, WI	Ozone	Moderate	50	-	2,652.14	786.64	-12,062.49
Minneapolis-St Paul, MN	CO	Maintenance	100	-	3,666.97	193.51	-20,977.56
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	4,331.34	1,281.44	-19,715.48
Missoula, MT	CO	Maintenance	100	-	92.75	25.98	-429.18
Missoula, MT	PM ₁₀	Moderate	100	-	89.72	25.14	-415.18
Modesto, CA	CO	Maintenance	100	-	561.47	166.53	-2,553.67
Mohave County, AZ	PM ₁₀	Maintenance	100	-	194.32	57.64	-883.80
Mono Basin, CA	PM ₁₀	Moderate	100	-	2.77	0.82	-12.60
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	4.45	1.32	-20.26
Morristown, NJ	CO	Maintenance	100	-	59.54	17.66	-270.79
Muhlenberg County, KY	SO _x	Maintenance	100	-	37.51	11.13	-170.61
Muncie, IN	Ozone	Maintenance	100	-	136.30	40.43	-619.92
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	8.56	2.54	-38.91
Muscatine County, IA	SO _x	Maintenance	100	-	23.02	6.83	-104.68
Muskegon, MI	Ozone	Maintenance	100	-	191.34	56.69	-870.60
Nashua, NH	CO	Maintenance	100	-	76.71	22.75	-348.88

Table B1-4
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Carbon Monoxide (CO) 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Nashville, TN	Ozone	Former Subpart 1	50	-	2,591.49	767.59	-11,791.69
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	295.57	87.67	-1,344.31
New Haven County, CT	PM ₁₀	Maintenance	100	-	239.98	71.18	-1,091.49
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	1,073.31	318.35	-4,881.65
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	7.93	2.35	-36.09
New York County, NY	PM ₁₀	Moderate	100	-	578.06	171.46	-2,629.13
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	10,977.73	3,221.31	-50,095.99
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	21,514.54	6,329.14	-98,103.41
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	21,315.56	6,270.12	-97,198.42
Nogales, AZ	PM ₁₀	Moderate	100	-	63.42	18.81	-288.45
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-120.94	-2,694.93	-12,235.89
Ogden, UT	CO	Maintenance	100	-	96.74	28.69	-440.00
Ogden, UT	PM ₁₀	Moderate	100	-	96.74	28.69	-440.01
Oglesby, IL	PM ₁₀	Maintenance	100	-	2.47	0.73	-11.22
Olmsted County, MN	PM ₁₀	Maintenance	100	-	25.56	7.58	-116.24
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	181.41	53.81	-825.07
Owens Valley, CA	PM ₁₀	Serious	70	-	8.61	2.55	-39.14
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.33	0.10	-1.49
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	195.21	57.90	-887.88
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	196.73	58.35	-894.76
Payson, AZ	PM ₁₀	Maintenance	100	-	31.65	9.39	-143.94
Penns Grove, NJ	CO	Maintenance	100	-	0.67	0.20	-3.04
Peoria, IL	SO _x	Maintenance	100	-	131.53	38.89	-598.81
Perth Amboy, NJ	CO	Maintenance	100	-	132.08	22.20	-682.34
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	481.47	142.81	-2,189.82
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	5,814.38	1,226.49	-28,839.98
Phildelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	8,857.70	2,128.74	-42,683.64
Phoenix, AZ	CO	Maintenance	100	-	9,531.75	2,826.26	-43,356.74
Phoenix, AZ	PM ₁₀	Serious	70	-	9,774.15	2,898.14	-44,459.23
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	9,797.95	2,905.20	-44,567.50
Pierce County, WA	PM ₁₀	Maintenance	100	-	13.23	3.93	-60.19
Pinehurst, ID	PM ₁₀	Moderate	100	-	1.23	0.37	-5.61
Pittsburgh, PA	CO	Maintenance	100	-	46.97	13.89	-213.82
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	2,716.75	804.91	-12,360.60
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	2,480.41	734.81	-11,285.68
Polk County, TN	SO _x	Maintenance	100	-	29.24	8.67	-132.99
Polson, MT	PM ₁₀	Moderate	100	-	5.35	1.59	-24.31
Portland, ME	Ozone	Maintenance	100	-	818.95	240.20	-3,737.73
Portland, OR	CO	Maintenance	100	-	1,657.06	488.90	-7,549.09
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	59.77	17.73	-271.83
Poughkeepsie, NY	Ozone	Moderate	50	-	2,333.33	692.08	-10,612.44
Presque Isle, ME	PM ₁₀	Maintenance	100	-	11.56	3.43	-52.59
Providence (entire State), RI	Ozone	Moderate	50	-	1,495.20	439.94	-6,817.52
Provo, UT	CO	Maintenance	100	-	278.82	82.70	-1,268.14
Raleigh-Durham, NC	CO	Maintenance	100	-	2,159.39	639.92	-9,824.06

Table B1-4
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Carbon Monoxide (CO) 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	2,927.66	867.79	-13,318.29
Ramsey County, MN	PM ₁₀	Maintenance	100	-	2.29	0.67	-10.48
Reading, PA	Ozone	Maintenance	100	-	474.98	140.88	-2,160.30
Reading, PA	PM _{2.5}	Nonattainment	100	-	474.98	140.88	-2,160.30
Reno, NV	CO	Maintenance	100	-	358.50	106.33	-1,630.53
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	2.14	0.64	-9.75
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	1,771.68	524.67	-8,061.92
Rillito, AZ	PM ₁₀	Moderate	100	-	89.19	26.46	-405.68
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	1,222.63	362.64	-5,560.78
Roanoke, VA	Ozone	Former Subpart 1	50	-	357.32	105.98	-1,625.16
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	123.72	36.70	-562.71
Rochester, NY	Ozone	Former Subpart 1	50	-	1,916.07	568.32	-8,714.69
Rocky Mount, NC	Ozone	Maintenance	100	-	250.79	74.39	-1,140.64
Rome, GA	PM _{2.5}	Nonattainment	100	-	168.70	50.04	-767.27
Ronan, MT	PM ₁₀	Moderate	100	-	2.01	0.59	-9.12
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	3.32	0.99	-15.11
Sacramento County, CA	PM ₁₀	Moderate	100	-	2,750.18	815.72	-12,508.39
Sacramento Metro, CA	Ozone	Severe	25	-	5,099.24	1,508.24	-23,212.69
Sacramento, CA	CO	Maintenance	100	-	3,094.86	917.46	-14,078.43
Salem, OR	CO	Maintenance	100	-	182.50	54.13	-830.04
Salt Lake City, UT	CO	Maintenance	100	-	321.41	85.18	-1,510.68
Salt Lake County, UT	PM ₁₀	Moderate	100	-	1,571.18	455.87	-7,194.89
Salt Lake County, UT	SO _x	Nonattainment	100	-	1,580.24	468.71	-7,187.27
San Antonio, TX	Ozone	Former Subpart 1	50	-	2,925.62	866.82	-13,310.81
San Bernardino County, CA	PM ₁₀	Moderate	100	-	689.25	204.43	-3,134.85
San Diego, CA	CO	Maintenance	100	-	7,361.37	2,183.42	-33,480.98
San Diego, CA	Ozone	Former Subpart 1	50	-	7,375.88	2,187.72	-33,547.00
San Francisco Bay Area, CA	Ozone	Marginal	50	-	10,450.41	2,958.91	-48,207.32
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	11,736.81	3,340.46	-54,058.12
San Joaquin Valley, CA	Ozone	Extreme	10	-	8,223.90	2,432.47	-37,436.61
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	8,241.87	2,437.80	-37,518.34
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	8,223.90	2,432.47	-37,436.61
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	58.00	17.20	-263.80
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.97	0.29	-4.41
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	958.14	284.19	-4,357.83
Seattle-Tacoma, WA	CO	Maintenance	100	-	4,758.64	1,411.44	-21,643.26
Sheboygan, WI	Ozone	Moderate	50	-	181.70	53.89	-826.40
Sheridan, WY	PM ₁₀	Moderate	100	-	30.21	8.96	-137.42
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.02	0.01	-0.08
Somerville, NJ	CO	Maintenance	100	-	26.82	7.95	-121.98
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	647.88	192.00	-2,947.51
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	173.08	51.32	-787.28
Spokane County, WA	PM ₁₀	Maintenance	100	-	468.65	139.00	-2,131.53
Spokane, WA	CO	Maintenance	100	-	463.11	137.36	-2,106.30
Springfield (western MA), MA	Ozone	Moderate	50	-	1,277.31	377.36	-5,816.67
Springfield, MA	CO	Maintenance	100	-	224.22	65.86	-1,022.94
St Louis, MO	CO	Maintenance	100	-	1,058.93	314.09	-4,816.25
St Louis, MO-IL	Ozone	Moderate	50	-	3,854.10	998.26	-18,225.91

Table B1-4
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Carbon Monoxide (CO) 2060

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	3,827.68	990.42	-18,105.74
State College, PA	Ozone	Maintenance	100	-	273.34	81.07	-1,243.21
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	35.84	10.63	-163.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	52.18	15.48	-237.30
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	110.01	25.00	-537.08
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	110.01	25.00	-537.08
Stockton, CA	CO	Maintenance	100	-	872.28	258.72	-3,967.32
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.01	0.00	-0.03
Syracuse, NY	CO	Maintenance	100	-	694.22	205.91	-3,157.47
Telluride, CO	PM ₁₀	Maintenance	100	-	3.44	1.02	-15.65
Terre Haute, IN	Ozone	Maintenance	100	-	158.48	47.01	-720.80
Tioga County, PA	Ozone	Maintenance	100	-	72.10	21.39	-327.94
Toledo, OH	Ozone	Maintenance	100	-	544.66	-53.41	-3,510.83
Toms River, NJ	CO	Maintenance	100	-	174.30	51.70	-792.74
Tooele County, UT	SO _x	Nonattainment	100	-	155.39	46.09	-706.72
Trenton, NJ	CO	Maintenance	100	-	132.78	39.38	-603.89
Trona, CA	PM ₁₀	Moderate	100	-	5.76	1.71	-26.21
Tucson, AZ	CO	Maintenance	100	-	1,629.99	483.46	-7,413.53
Utah County, UT	PM ₁₀	Moderate	100	-	795.72	236.02	-3,619.11
Vancouver, WA	CO	Maintenance	100	-	542.72	160.97	-2,468.41
Ventura County, CA	Ozone	Serious	50	-	1,504.27	442.65	-6,858.71
Vermillion County, IN	PM ₁₀	Maintenance	100	-	8.95	2.65	-40.70
Vigo County, IN	SO _x	Maintenance	100	-	158.48	47.01	-720.80
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Waltham, MA	CO	Maintenance	100	-	80.20	23.79	-364.76
Warren County, NJ	SO _x	Maintenance	100	-	53.72	15.94	-244.35
Warren County, PA	SO _x	Nonattainment	100	-	17.03	4.82	-78.56
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	299.63	88.87	-1,362.79
Washington, DC-MD-VA	CO	Maintenance	100	-	2,429.71	720.67	-11,050.82
Washington, DC-MD-VA	Ozone	Moderate	50	-	8,706.67	2,582.44	-39,599.71
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	8,504.96	2,522.62	-38,682.28
Washoe County, NV	PM ₁₀	Serious	70	-	358.50	106.33	-1,630.53
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	5.54	1.64	-25.20
Wayne County, IN	SO _x	Maintenance	100	-	84.73	25.13	-385.36
Wayne County, MI	PM ₁₀	Maintenance	100	-	165.13	31.99	-832.69
Weirton, WV	PM ₁₀	Maintenance	100	-	8.79	2.61	-39.99
Weirton, WV	SO _x	Maintenance	100	-	12.41	3.68	-56.43
Wheeling, WV-OH	Ozone	Maintenance	100	-	177.04	52.51	-805.20
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	177.04	52.51	-805.20
Winston-Salem, NC	CO	Maintenance	100	-	610.08	180.95	-2,774.79
Worcester, MA	CO	Maintenance	100	-	363.03	107.68	-1,651.15
Yakima County, WA	PM ₁₀	Maintenance	100	-	140.08	41.55	-637.10
Yakima, WA	CO	Maintenance	100	-	69.13	20.50	-314.42

Table B1-4
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Carbon Monoxide (CO) 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
York, PA	Ozone	Maintenance	100	-	689.87	204.62	-3,137.68
York, PA	PM _{2.5}	Nonattainment	100	-	533.63	158.28	-2,427.05
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	795.32	235.90	-3,617.30
Yuma, AZ	PM ₁₀	Moderate	100	-	317.00	94.02	-1,441.79

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

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

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

Source: EPA, 2008.

Table B1-5
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Nitrogen Oxide (NO_x) 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.01	0.02	0.06
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.02	0.03	0.13
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.02	0.03	0.13
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	5.52	9.43	38.81
Albuquerque, NM	CO	Maintenance	100	-	2.64	4.48	18.19
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.64	1.08	4.38
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	2.52	4.32	17.91
Altoona, PA	Ozone	Maintenance	100	-	0.47	0.79	3.21
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.69	1.16	4.73
Anchorage, AK	CO	Maintenance	100	-	0.62	1.05	4.25
Anthony, NM	PM ₁₀	Moderate	100	-	0.03	0.06	0.23
Armstrong County, PA	SO _x	Nonattainment	100	-	0.02	0.04	0.15
Aspen, CO	PM ₁₀	Maintenance	100	-	0.03	0.05	0.21
Atlanta, GA	Ozone	Moderate	50	-	29.17	49.59	202.04
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	29.19	49.62	202.16
Atlantic City, NJ	CO	Maintenance	100	-	0.23	0.39	1.60
Bakersfield, CA	CO	Maintenance	100	-	-3.13	-3.69	0.02
Baltimore, MD	CO	Maintenance	100	-	0.03	0.06	0.28
Baltimore, MD	Ozone	Moderate	50	-	12.77	21.82	89.92
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	12.77	21.81	89.92
Baton Rouge, LA	Ozone	Moderate	50	-	-146.27	-200.12	-369.62
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-416.09	-571.61	-1,082.49
Benton County, TN	SO _x	Maintenance	100	-	0.01	0.01	0.04
Benton Harbor, MI	Ozone	Maintenance	100	-	0.82	1.39	5.68
Benzie County, MI	Ozone	Maintenance	100	-	0.10	0.17	0.67
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.65	1.10	4.46
Billings, MT	CO	Maintenance	100	-	-49.40	-67.82	-128.03
Birmingham, AL	Ozone	Maintenance	100	-	-0.16	1.26	19.16
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-0.14	1.28	19.26
Boise-Northern Ada County, ID	CO	Maintenance	100	-	1.23	2.15	9.33
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	1.23	2.15	9.33
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.07	0.12	0.50
Boston, MA	CO	Maintenance	100	-	3.83	6.50	26.42
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	22.76	38.64	156.93
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	2.87	4.88	19.79
Boyd County (part), KY	SO _x	Maintenance	100	-	0.04	0.08	0.31
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	5.20	8.82	35.82
Burlington, NJ	CO	Maintenance	100	-	0.04	0.07	0.26
Butte, MT	PM ₁₀	Moderate	100	-	0.10	0.16	0.67
Canon City, CO	PM ₁₀	Maintenance	100	-	0.08	0.14	0.58
Canton-Massillon, OH	Ozone	Maintenance	100	-	-15.56	-20.97	-35.06
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-15.56	-20.97	-35.06
Case County, MI	Ozone	Maintenance	100	-	0.20	0.33	1.36
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.01	0.02
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.03	0.05	0.20
Charleston, WV	Ozone	Maintenance	100	-	1.27	2.16	8.75
Charleston, WV	PM _{2.5}	Nonattainment	100	-	1.27	2.16	8.75
Charlotte, NC	CO	Maintenance	100	-	3.22	5.47	22.22
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	7.24	12.30	49.93

Table B1-5
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Nitrogen Oxide (NO_x) 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	2.43	4.14	16.89
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	2.21	3.75	15.32
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-244.12	-325.61	-505.91
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-243.05	-323.80	-498.55
Chico, CA	CO	Maintenance	100	-	0.46	0.77	3.14
Chico, CA	Ozone	Former Subpart 1	50	-	1.06	1.81	7.34
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	8.80	14.93	60.62
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	8.54	14.50	58.89
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.06	0.10	0.43
Clark County, NV	PM ₁₀	Serious	70	-	6.46	10.96	44.50
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	1.14	1.94	7.87
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.81	1.38	5.60
Cleveland, OH	CO	Maintenance	100	-	4.31	7.32	29.72
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	11.62	19.72	80.08
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	10.73	18.21	73.95
Coachella Valley, CA	PM ₁₀	Serious	70	-	2.70	4.59	18.63
Colbert County, AL	SO _x	Maintenance	100	-	0.28	0.47	1.90
Colorado Springs, CO	CO	Maintenance	100	-	2.13	3.76	16.58
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.02	0.04	0.16
Columbia, SC	Ozone	Former Subpart 1	50	-	2.91	4.93	20.03
Columbus, OH	Ozone	Maintenance	100	-	7.36	12.49	50.73
Columbus, OH	PM _{2.5}	Nonattainment	100	-	6.82	11.58	47.01
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.01	0.07
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	4.31	7.32	29.72
Cuyahoga County, OH	SO _x	Maintenance	100	-	3.51	5.96	24.22
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	29.72	50.63	207.39
Dayton-Springfield, OH	Ozone	Maintenance	100	-	3.79	6.44	26.15
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	3.36	5.70	23.14
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-17.69	-20.12	9.37
Denver-Boulder, CO	CO	Maintenance	100	-	-18.26	-21.08	5.47
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-15.03	-15.60	27.78
Detroit, MI	CO	Maintenance	100	-	-25.16	-32.25	-34.78
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-20.14	-21.02	35.68
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-20.52	-21.67	33.04
Door County, WI	Ozone	Former Subpart 1	50	-	0.16	0.28	1.12
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.16	0.27	1.10
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.13	0.21	0.86
Duluth, MN	CO	Maintenance	100	-	0.37	0.63	2.56
Eagle River, AK	PM ₁₀	Moderate	100	-	0.04	0.06	0.25
East Chicago, IN	CO	Maintenance	100	-	0.00	0.01	0.03
East Chicago, IN	PM ₁₀	Maintenance	100	-	-182.81	-251.10	-475.01
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.01	0.03
El Paso County, TX	PM ₁₀	Moderate	100	-	-16.86	-22.49	-35.00
El Paso, TX	CO	Maintenance	100	-	0.13	0.23	0.95
Erie, PA	Ozone	Maintenance	100	-	1.03	1.75	7.12
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.01	0.01	0.05

Table B1-5
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Nitrogen Oxide (NO_x) 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Eugene-Springfield, OR	CO	Maintenance	100	-	1.02	1.73	7.03
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.97	1.65	6.71
Evansville, IN	Ozone	Maintenance	100	-	1.14	1.93	7.84
Evansville, IN	PM _{2.5}	Nonattainment	100	-	1.47	2.49	10.11
Fairbanks, AK	CO	Maintenance	100	-	0.08	0.13	0.52
Fayetteville, NC	Ozone	Former Subpart 1	50	-	1.32	2.24	9.09
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.03	0.05	0.21
Flint, MI	Ozone	Maintenance	100	-	2.34	3.98	16.15
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.01	0.01	0.04
Fort Collins, CO	CO	Maintenance	100	-	0.76	1.30	5.27
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Fort Wayne, IN	Ozone	Maintenance	100	-	1.63	2.77	11.23
Franklin County, PA	Ozone	Maintenance	100	-	0.67	1.14	4.65
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.01	0.02
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.58	0.99	4.01
Fredericksburg, VA	Ozone	Maintenance	100	-	1.79	3.04	12.33
Freehold, NJ	CO	Maintenance	100	-	0.07	0.13	0.51
Fresno, CA	CO	Maintenance	100	-	2.45	4.19	17.38
Grand Rapids, MI	Ozone	Maintenance	100	-	3.58	6.07	24.65
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.18	0.31	1.28
Grant County, NM	SO _x	Maintenance	100	-	0.01	0.02	0.09
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.01
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.14	0.24	0.98
Great Falls, MT	CO	Maintenance	100	-	0.09	0.15	0.62
Greater Connecticut, CT	Ozone	Moderate	50	-	7.29	12.42	50.79
Greeley, CO	CO	Maintenance	100	-	0.54	0.92	3.73
Green Bay, WI	SO _x	Maintenance	100	-	0.55	0.93	3.76
Greene County, IN	Ozone	Maintenance	100	-	0.22	0.37	1.50
Greene County, PA	Ozone	Maintenance	100	-	0.21	0.35	1.42
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	7.13	12.15	49.81
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	3.46	5.92	24.50
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	3.89	6.65	27.53
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.10	0.17	0.70
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.51	0.87	3.53
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	3.70	6.30	25.83
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	3.41	5.81	23.84
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	4.70	8.01	32.89
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.04	0.07	0.30
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.17	0.29	1.17
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.02	0.04	0.15
Hazelwood, PA	SO _x	Maintenance	100	-	0.17	0.29	1.22
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.81	1.37	5.58
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	1.33	2.25	9.14
Hollis Township, IL	SO _x	Maintenance	100	-	0.01	0.01	0.07
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-453.93	-616.21	-1,083.14
Humphreys County, TN	SO _x	Maintenance	100	-	0.01	0.02	0.08
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-99.63	-136.57	-255.15
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-100.26	-137.63	-259.46
Huron County, MI	Ozone	Maintenance	100	-	0.13	0.22	0.89

**Table B1-5
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Nitrogen Oxide (NO_x) 2021**

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Imperial County, CA	Ozone	Moderate	50	-	0.94	1.60	6.51
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.92	1.57	6.36
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.15	0.26	1.04
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.01	0.03
Indianapolis, IN	Ozone	Maintenance	100	-	8.86	15.04	61.06
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	7.02	11.91	48.36
Jackson County, IN	Ozone	Maintenance	100	-	0.36	0.61	2.46
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.70	1.19	4.82
Jefferson County, NY	Ozone	Moderate	50	-	0.55	0.94	3.82
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.04	0.06	0.25
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.98	1.66	6.76
Johnstown, PA	Ozone	Maintenance	100	-	0.47	0.80	3.27
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.52	0.88	3.58
Juneau, AK	PM ₁₀	Moderate	100	-	0.05	0.08	0.32
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	2.27	3.86	15.66
Kalispell, MT	PM ₁₀	Moderate	100	-	0.13	0.22	0.88
Kansas City, MO-KS	Ozone	Maintenance	100	-	6.83	11.76	49.33
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.63	1.07	4.36
Kent, WA	PM ₁₀	Maintenance	100	-	0.11	0.18	0.75
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.37	0.63	2.55
Kewaunee County, WI	Ozone	Maintenance	100	-	0.11	0.19	0.77
King County, WA	PM ₁₀	Maintenance	100	-	0.04	0.08	0.31
Klamath Falls, OR	CO	Maintenance	100	-	0.22	0.38	1.54
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.22	0.38	1.54
Knoxville, TN	Ozone	Former Subpart 1	50	-	5.19	8.81	35.77
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	4.04	6.85	27.83
La Porte County, IN	SO _x	Maintenance	100	-	0.16	0.27	1.09
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.07	0.11	0.46
Lake County, IN	SO _x	Maintenance	100	-	1.30	2.23	9.31
Lake County, OH	SO _x	Maintenance	100	-	0.16	0.27	1.11
Lake County, OR	PM ₁₀	Maintenance	100	-	0.03	0.05	0.19
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.12	0.21	0.83
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.26	0.44	1.77
Lake Tahoe, NV	CO	Maintenance	100	-	0.09	0.15	0.62
Lamar, CO	PM ₁₀	Maintenance	100	-	0.04	0.07	0.28
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.01	0.01	0.05
Lancaster, PA	Ozone	Maintenance	100	-	1.93	3.30	13.62
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	1.93	3.30	13.62
Lane County, OR	PM ₁₀	Moderate	100	-	0.01	0.01	0.05
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	2.13	3.62	14.71
LaPorte, IN	Ozone	Maintenance	100	-	0.44	0.76	3.07
Las Vegas, NV	CO	Serious	100	-	6.46	10.96	44.50
Las Vegas, NV	Ozone	Former Subpart 1	50	-	6.56	11.13	45.20
Lauderdale County, AL	SO _x	Maintenance	100	-	0.40	0.68	2.75
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.01	0.01	0.05
Libby, MT	PM ₁₀	Moderate	100	-	0.02	0.03	0.14
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.03	0.05	0.18
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.06	0.10	0.43
Lima, OH	Ozone	Maintenance	100	-	-87.16	-119.70	-226.25

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Longmont, CO	CO	Maintenance	100	-	0.40	0.67	2.72
Lorain County, OH	SO _x	Maintenance	100	-	0.21	0.35	1.42
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-54.04	-52.72	144.71
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	-54.04	-52.72	144.71
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-54.04	-52.72	144.71
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-54.04	-52.72	144.72
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-54.05	-52.73	144.69
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	3.02	5.13	20.83
Louisville, KY-IN	Ozone	Maintenance	100	-	5.08	8.63	35.04
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	4.93	8.37	34.00
Lowell, MA	CO	Maintenance	100	-	0.50	0.85	3.46
Lucas County, OH	SO _x	Maintenance	100	-	1.36	2.31	9.39
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.28	0.48	1.95
Macon, GA	Ozone	Maintenance	100	-	0.96	1.63	6.61
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.95	1.61	6.55
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.01	0.02	0.09
Madison, WI	SO _x	Maintenance	100	-	1.06	1.80	7.32
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.04	0.07	0.27
Manchester, NH	CO	Maintenance	100	-	0.35	0.60	2.43
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.46	0.78	3.16
Marion County, IN	SO _x	Maintenance	100	-	1.42	2.41	9.80
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.48	0.81	3.28
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	1.42	2.42	9.82
Mason County, MI	Ozone	Maintenance	100	-	0.12	0.20	0.81
Medford, OR	CO	Maintenance	100	-	0.34	0.57	2.32
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.80	1.36	5.51
Memphis, TN-AR	Ozone	Maintenance	100	-	-19.33	-25.12	-31.25
Memphis, TN	CO	Maintenance	100	-	-19.70	-25.75	-33.80
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.13	0.22	0.88
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.02	0.04	0.16
Milwaukee, WI	SO _x	Maintenance	100	-	2.40	4.08	16.55
Milwaukee-Racine, WI	Ozone	Moderate	50	-	7.93	13.46	54.65
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-69.86	-91.96	-128.57
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	11.91	20.37	84.16
Missoula, MT	CO	Maintenance	100	-	0.04	0.15	1.28
Missoula, MT	PM ₁₀	Moderate	100	-	0.04	0.14	1.24
Modesto, CA	CO	Maintenance	100	-	1.32	2.23	9.06
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.44	0.75	3.04
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.01	0.01	0.04
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.02	0.03	0.10
Morristown, NJ	CO	Maintenance	100	-	0.14	0.24	0.97
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.13	0.22	0.91
Muncie, IN	Ozone	Maintenance	100	-	0.54	0.91	3.69
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.02	0.03	0.13
Muscatine County, IA	SO _x	Maintenance	100	-	0.07	0.11	0.47
Muskegon, MI	Ozone	Maintenance	100	-	0.57	0.97	3.95
Nashua, NH	CO	Maintenance	100	-	0.28	0.48	1.93
Nashville, TN	Ozone	Former Subpart 1	50	-	7.05	12.01	49.26

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.58	0.98	4.00
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.61	1.03	4.19
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	3.55	6.03	24.48
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.03	0.05	0.19
New York County, NY	PM ₁₀	Moderate	100	-	2.09	3.54	14.39
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-12.63	-6.03	117.31
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-2.21	18.38	278.21
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-2.76	17.45	274.40
Nogales, AZ	PM ₁₀	Moderate	100	-	0.18	0.31	1.24
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-47.34	-62.83	-93.90
Ogden, UT	CO	Maintenance	100	-	0.32	0.54	2.19
Ogden, UT	PM ₁₀	Moderate	100	-	0.32	0.54	2.19
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.01	0.02	0.08
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.10	0.16	0.66
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.47	0.79	3.21
Owens Valley, CA	PM ₁₀	Serious	70	-	0.02	0.03	0.11
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.66	1.12	4.53
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.66	1.12	4.56
Payson, AZ	PM ₁₀	Maintenance	100	-	0.09	0.14	0.59
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Peoria, IL	SO _x	Maintenance	100	-	0.34	0.61	2.82
Perth Amboy, NJ	CO	Maintenance	100	-	-20.20	-27.67	-51.48
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	1.79	3.04	12.35
Philadelaphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-156.71	-209.08	-325.37
Phildelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-147.68	-193.65	-261.96
Phoenix, AZ	CO	Maintenance	100	-	19.35	32.92	134.34
Phoenix, AZ	PM ₁₀	Serious	70	-	19.97	33.97	138.61
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	20.04	34.09	139.11
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.05	0.08	0.33
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.01	0.01	0.04
Pittsburgh, PA	CO	Maintenance	100	-	0.09	0.16	0.68
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	8.78	15.00	61.74
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	8.01	13.68	56.37
Polk County, TN	SO _x	Maintenance	100	-	0.09	0.16	0.65
Polson, MT	PM ₁₀	Moderate	100	-	0.01	0.02	0.09
Portland, ME	Ozone	Maintenance	100	-	2.09	3.68	16.17
Portland, OR	CO	Maintenance	100	-	4.89	8.40	35.02
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.20	0.34	1.36
Poughkeepsie, NY	Ozone	Moderate	50	-	5.92	10.04	40.77
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.04	0.07	0.29
Providence (entire State), RI	Ozone	Moderate	50	-	3.85	6.69	28.72
Provo, UT	CO	Maintenance	100	-	0.70	1.20	4.85
Raleigh-Durham, NC	CO	Maintenance	100	-	5.60	9.53	38.98
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	7.68	13.06	53.30
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.01	0.01	0.06

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Reading, PA	Ozone	Maintenance	100	-	1.49	2.54	10.30
Reading, PA	PM _{2.5}	Nonattainment	100	-	1.49	2.54	10.30
Reno, NV	CO	Maintenance	100	-	1.09	1.85	7.51
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.01	0.03
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	5.16	8.86	36.94
Rillito, AZ	PM ₁₀	Moderate	100	-	0.21	0.35	1.44
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	2.70	4.59	18.63
Roanoke, VA	Ozone	Former Subpart 1	50	-	1.19	2.01	8.17
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.35	0.60	2.44
Rochester, NY	Ozone	Former Subpart 1	50	-	6.00	10.19	41.36
Rocky Mount, NC	Ozone	Maintenance	100	-	0.84	1.43	5.80
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.54	0.92	3.72
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.03
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.01	0.02	0.08
Sacramento County, CA	PM ₁₀	Moderate	100	-	6.37	10.81	43.90
Sacramento Metro, CA	Ozone	Severe	25	-	11.05	18.85	77.44
Sacramento, CA	CO	Maintenance	100	-	7.04	11.97	48.70
Salem, OR	CO	Maintenance	100	-	0.59	1.00	4.07
Salt Lake City, UT	CO	Maintenance	100	-	-8.90	-11.94	-19.31
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-5.28	-5.79	5.65
Salt Lake County, UT	SO _x	Nonattainment	100	-	4.56	7.74	31.42
San Antonio, TX	Ozone	Former Subpart 1	50	-	7.56	13.04	54.79
San Bernardino County, CA	PM ₁₀	Moderate	100	-	1.87	3.18	12.90
San Diego, CA	CO	Maintenance	100	-	17.73	30.13	122.71
San Diego, CA	Ozone	Former Subpart 1	50	-	17.76	30.19	122.94
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-223.80	-298.76	-466.99
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-220.03	-292.36	-441.00
San Joaquin Valley, CA	Ozone	Extreme	10	-	14.19	25.78	120.27
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	14.28	25.93	120.89
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	14.19	25.78	120.27
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.14	0.25	1.00
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	3.00	5.09	20.68
Seattle-Tacoma, WA	CO	Maintenance	100	-	13.13	22.29	90.49
Sheboygan, WI	Ozone	Moderate	50	-	0.53	0.89	3.63
Sheridan, WY	PM ₁₀	Moderate	100	-	0.10	0.17	0.68
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.08	0.13	0.53
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	1.87	3.22	13.55
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.81	1.38	5.61
Spokane County, WA	PM ₁₀	Maintenance	100	-	1.31	2.22	9.00
Spokane, WA	CO	Maintenance	100	-	1.29	2.20	8.91
Springfield (western MA), MA	Ozone	Moderate	50	-	3.79	6.50	27.03
Springfield, MA	CO	Maintenance	100	-	0.56	0.98	4.21
St Louis, MO	CO	Maintenance	100	-	4.25	7.22	29.32
St Louis, MO-IL	Ozone	Moderate	50	-	-128.43	-172.29	-279.23
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-128.52	-172.44	-279.84
State College, PA	Ozone	Maintenance	100	-	0.75	1.27	5.17

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.08	0.13	0.53
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.20	0.33	1.35
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-4.72	-6.34	-10.47
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-4.72	-6.34	-10.47
Stockton, CA	CO	Maintenance	100	-	1.98	3.37	13.67
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	2.32	3.95	16.02
Telluride, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	0.04
Terre Haute, IN	Ozone	Maintenance	100	-	0.61	1.03	4.18
Tioga County, PA	Ozone	Maintenance	100	-	0.26	0.44	1.77
Toledo, OH	Ozone	Maintenance	100	-	-82.08	-112.07	-204.42
Toms River, NJ	CO	Maintenance	100	-	0.43	0.73	2.97
Tooele County, UT	SO _x	Nonattainment	100	-	0.45	0.76	3.07
Trenton, NJ	CO	Maintenance	100	-	0.39	0.67	2.72
Trona, CA	PM ₁₀	Moderate	100	-	0.01	0.02	0.09
Tucson, AZ	CO	Maintenance	100	-	4.34	7.37	29.92
Utah County, UT	PM ₁₀	Moderate	100	-	2.12	3.59	14.59
Vancouver, WA	CO	Maintenance	100	-	1.34	2.27	9.21
Ventura County, CA	Ozone	Serious	50	-	3.36	5.78	24.19
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.03	0.06	0.23
Vigo County, IN	SO _x	Maintenance	100	-	0.61	1.03	4.18
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.25	0.43	1.75
Warren County, NJ	SO _x	Maintenance	100	-	0.16	0.27	1.10
Warren County, PA	SO _x	Nonattainment	100	-	0.01	0.04	0.31
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.96	1.62	6.59
Washington, DC-MD-VA	CO	Maintenance	100	-	6.98	11.84	48.08
Washington, DC-MD-VA	Ozone	Moderate	50	-	23.66	40.16	163.08
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	23.18	39.35	159.76
Washoe County, NV	PM ₁₀	Serious	70	-	1.09	1.85	7.51
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.02	0.03	0.13
Wayne County, IN	SO _x	Maintenance	100	-	0.33	0.56	2.29
Wayne County, MI	PM ₁₀	Maintenance	100	-	-21.03	-28.82	-53.73
Weirton, WV	PM ₁₀	Maintenance	100	-	0.05	0.08	0.31
Weirton, WV	SO _x	Maintenance	100	-	0.06	0.10	0.41
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.69	1.17	4.75
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.69	1.17	4.75
Winston-Salem, NC	CO	Maintenance	100	-	1.83	3.11	12.61
Worcester, MA	CO	Maintenance	100	-	0.95	1.62	6.57
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.41	0.70	2.84
Yakima, WA	CO	Maintenance	100	-	0.16	0.28	1.13
York, PA	Ozone	Maintenance	100	-	1.97	3.34	13.55
York, PA	PM _{2.5}	Nonattainment	100	-	1.53	2.60	10.54
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	2.93	4.97	20.18
Yuma, AZ	PM ₁₀	Moderate	100	-	0.80	1.36	5.54

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

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

c/ Emissions thresholds in tons/year of: VOC or NO_x in ozone NAAs; primary PM_{2.5} in PM_{2.5} NAAs. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the proposed actions. Source: EPA, 2008.

Table B1-6
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Nitrogen Oxide (NO_x) 2025

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.03	0.06	0.11
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.06	0.12	0.22
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.06	0.12	0.23
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	17.42	35.21	67.84
Albuquerque, NM	CO	Maintenance	100	-	8.23	16.52	31.68
Allegan County, MI	Ozone	Former Subpart 1	50	-	2.03	4.08	7.83
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	7.96	16.16	31.23
Altoona, PA	Ozone	Maintenance	100	-	1.42	2.85	5.47
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	2.32	4.66	8.94
Anchorage, AK	CO	Maintenance	100	-	1.98	3.98	7.64
Anthony, NM	PM ₁₀	Moderate	100	-	0.10	0.21	0.40
Armstrong County, PA	SO _x	Nonattainment	100	-	0.07	0.14	0.26
Aspen, CO	PM ₁₀	Maintenance	100	-	0.10	0.20	0.38
Atlanta, GA	Ozone	Moderate	50	-	92.97	186.99	358.99
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	93.02	187.10	359.18
Atlantic City, NJ	CO	Maintenance	100	-	0.72	1.44	2.76
Bakersfield, CA	CO	Maintenance	100	-	-6.16	-5.98	-1.96
Baltimore, MD	CO	Maintenance	100	-	0.11	0.23	0.48
Baltimore, MD	Ozone	Moderate	50	-	40.65	82.20	158.46
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	40.65	82.20	158.46
Baton Rouge, LA	Ozone	Moderate	50	-	-354.08	-522.41	-720.94
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-1,012.37	-1,505.55	-2,101.81
Benton County, TN	SO _x	Maintenance	100	-	0.02	0.03	0.06
Benton Harbor, MI	Ozone	Maintenance	100	-	2.48	5.00	9.61
Benzie County, MI	Ozone	Maintenance	100	-	0.32	0.64	1.23
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	2.05	4.11	7.89
Billings, MT	CO	Maintenance	100	-	-120.10	-178.42	-248.71
Birmingham, AL	Ozone	Maintenance	100	-	2.60	11.21	30.41
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	2.65	11.31	30.59
Boise-Northern Ada County, ID	CO	Maintenance	100	-	4.05	8.39	16.47
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	4.05	8.39	16.47
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.23	0.47	0.90
Boston, MA	CO	Maintenance	100	-	11.90	23.90	45.83
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	71.25	143.10	274.42
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	9.08	18.23	34.96
Boyd County (part), KY	SO _x	Maintenance	100	-	0.14	0.27	0.52
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	16.10	32.32	61.98
Burlington, NJ	CO	Maintenance	100	-	0.11	0.23	0.44
Butte, MT	PM ₁₀	Moderate	100	-	0.29	0.58	1.12
Canon City, CO	PM ₁₀	Maintenance	100	-	0.27	0.55	1.05
Canton-Massillon, OH	Ozone	Maintenance	100	-	-37.05	-53.08	-70.04
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-37.05	-53.08	-70.04
Case County, MI	Ozone	Maintenance	100	-	0.61	1.22	2.34
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.01	0.02	0.04
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.09	0.18	0.34
Charleston, WV	Ozone	Maintenance	100	-	3.86	7.75	14.86
Charleston, WV	PM _{2.5}	Nonattainment	100	-	3.86	7.75	14.86
Charlotte, NC	CO	Maintenance	100	-	10.28	20.65	39.60
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	23.00	46.18	88.56

Table B1-6
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Nitrogen Oxide (NO_x) 2025

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	7.56	15.21	29.21
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	6.87	13.84	26.58
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-572.25	-801.55	-1,019.57
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-568.89	-794.81	-1,006.64
Chico, CA	CO	Maintenance	100	-	1.52	3.05	5.85
Chico, CA	Ozone	Former Subpart 1	50	-	3.50	7.03	13.48
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	27.52	55.26	105.95
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	26.71	53.64	102.86
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.18	0.37	0.73
Clark County, NV	PM ₁₀	Serious	70	-	20.98	42.14	80.80
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	3.62	7.28	13.95
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	2.51	5.05	9.68
Cleveland, OH	CO	Maintenance	100	-	13.05	26.21	50.25
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	35.91	72.12	138.29
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	33.11	66.50	127.51
Coachella Valley, CA	PM ₁₀	Serious	70	-	8.94	17.95	34.42
Colbert County, AL	SO _x	Maintenance	100	-	0.83	1.67	3.20
Colorado Springs, CO	CO	Maintenance	100	-	7.18	14.98	29.55
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.08	0.15	0.29
Columbia, SC	Ozone	Former Subpart 1	50	-	9.08	18.24	34.98
Columbus, OH	Ozone	Maintenance	100	-	23.47	47.14	90.39
Columbus, OH	PM _{2.5}	Nonattainment	100	-	21.77	43.73	83.84
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.02	0.05	0.12
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.01	0.01	0.02
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	13.05	26.21	50.25
Cuyahoga County, OH	SO _x	Maintenance	100	-	10.67	21.43	41.09
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	95.92	193.39	371.96
Dayton-Springfield, OH	Ozone	Maintenance	100	-	11.66	23.41	44.89
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	10.30	20.69	39.67
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-33.17	-27.83	4.38
Denver-Boulder, CO	CO	Maintenance	100	-	-34.99	-31.47	-2.60
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-24.64	-10.66	37.31
Detroit, MI	CO	Maintenance	100	-	-56.54	-72.75	-78.79
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-34.90	-18.54	41.16
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-36.10	-20.95	36.54
Door County, WI	Ozone	Former Subpart 1	50	-	0.51	1.03	1.98
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.49	0.99	1.90
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.39	0.78	1.50
Duluth, MN	CO	Maintenance	100	-	1.14	2.28	4.37
Eagle River, AK	PM ₁₀	Moderate	100	-	0.12	0.24	0.46
East Chicago, IN	CO	Maintenance	100	-	0.01	0.03	0.06
East Chicago, IN	PM ₁₀	Maintenance	100	-	-444.70	-661.13	-922.52
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.01	0.03	0.05
El Paso County, TX	PM ₁₀	Moderate	100	-	-39.51	-55.36	-70.44
El Paso, TX	CO	Maintenance	100	-	0.42	0.85	1.65
Erie, PA	Ozone	Maintenance	100	-	3.18	6.38	12.23
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.02	0.04	0.08

Table B1-6
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Nitrogen Oxide (NO_x) 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Eugene-Springfield, OR	CO	Maintenance	100	-	3.21	6.45	12.38
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	3.07	6.17	11.83
Evansville, IN	Ozone	Maintenance	100	-	3.53	7.10	13.61
Evansville, IN	PM _{2.5}	Nonattainment	100	-	4.55	9.13	17.50
Fairbanks, AK	CO	Maintenance	100	-	0.24	0.49	0.93
Fayetteville, NC	Ozone	Former Subpart 1	50	-	4.12	8.27	15.85
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.10	0.20	0.39
Flint, MI	Ozone	Maintenance	100	-	7.24	14.55	27.90
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.02	0.03	0.06
Fort Collins, CO	CO	Maintenance	100	-	2.47	4.95	9.50
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.01	0.02	0.04
Fort Wayne, IN	Ozone	Maintenance	100	-	5.09	10.22	19.61
Franklin County, PA	Ozone	Maintenance	100	-	2.12	4.27	8.18
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.01	0.02	0.04
Frederick County, VA	Ozone	Former Subpart 1	50	-	1.82	3.66	7.02
Fredericksburg, VA	Ozone	Maintenance	100	-	5.80	11.64	22.32
Freehold, NJ	CO	Maintenance	100	-	0.24	0.49	0.93
Fresno, CA	CO	Maintenance	100	-	7.95	16.11	31.11
Grand Rapids, MI	Ozone	Maintenance	100	-	11.33	22.76	43.64
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.56	1.13	2.17
Grant County, NM	SO _x	Maintenance	100	-	0.04	0.07	0.14
Grants Pass, OR	CO	Maintenance	100	-	0.01	0.01	0.02
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.46	0.92	1.77
Great Falls, MT	CO	Maintenance	100	-	0.27	0.55	1.05
Greater Connecticut, CT	Ozone	Moderate	50	-	22.64	45.61	87.69
Greeley, CO	CO	Maintenance	100	-	1.72	3.46	6.63
Green Bay, WI	SO _x	Maintenance	100	-	1.72	3.45	6.61
Greene County, IN	Ozone	Maintenance	100	-	0.68	1.36	2.61
Greene County, PA	Ozone	Maintenance	100	-	0.63	1.27	2.44
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	22.26	44.90	86.39
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	10.81	21.91	42.31
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	12.10	24.51	47.32
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.31	0.63	1.21
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	1.61	3.22	6.18
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	11.75	23.70	45.59
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	10.84	21.86	42.06
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	14.54	29.36	56.53
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.14	0.28	0.54
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.55	1.10	2.11
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.07	0.14	0.26
Hazelwood, PA	SO _x	Maintenance	100	-	0.53	1.08	2.09
Hickory, NC	PM _{2.5}	Nonattainment	100	-	2.48	4.99	9.56
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	4.09	8.21	15.75
Hollis Township, IL	SO _x	Maintenance	100	-	0.03	0.06	0.11
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-1,087.68	-1,579.92	-2,130.02
Humphreys County, TN	SO _x	Maintenance	100	-	0.04	0.08	0.15
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-241.82	-358.13	-496.94
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-243.76	-362.02	-504.40
Huron County, MI	Ozone	Maintenance	100	-	0.40	0.80	1.53

Table B1-6
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Nitrogen Oxide (NO_x) 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Imperial County, CA	Ozone	Moderate	50	-	3.06	6.15	11.79
Imperial Valley, CA	PM ₁₀	Serious	70	-	2.99	6.01	11.53
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.47	0.94	1.80
Indianapolis, IN	CO	Maintenance	100	-	0.01	0.03	0.05
Indianapolis, IN	Ozone	Maintenance	100	-	27.98	56.18	107.72
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	22.17	44.53	85.38
Jackson County, IN	Ozone	Maintenance	100	-	1.10	2.22	4.25
Jamestown, NY	Ozone	Former Subpart 1	50	-	2.16	4.35	8.33
Jefferson County, NY	Ozone	Moderate	50	-	1.72	3.46	6.64
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.11	0.22	0.42
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	3.02	6.07	11.63
Johnstown, PA	Ozone	Maintenance	100	-	1.41	2.83	5.42
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	1.54	3.10	5.95
Juneau, AK	PM ₁₀	Moderate	100	-	0.15	0.30	0.58
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	7.04	14.13	27.09
Kalispell, MT	PM ₁₀	Moderate	100	-	0.41	0.82	1.58
Kansas City, MO-KS	Ozone	Maintenance	100	-	21.98	44.80	86.89
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	2.00	4.02	7.71
Kent, WA	PM ₁₀	Maintenance	100	-	0.35	0.70	1.35
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	1.15	2.32	4.44
Kewaunee County, WI	Ozone	Maintenance	100	-	0.34	0.69	1.32
King County, WA	PM ₁₀	Maintenance	100	-	0.14	0.29	0.55
Klamath Falls, OR	CO	Maintenance	100	-	0.69	1.38	2.65
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.69	1.38	2.65
Knoxville, TN	Ozone	Former Subpart 1	50	-	16.60	33.33	63.91
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	12.84	25.79	49.45
La Porte County, IN	SO _x	Maintenance	100	-	0.48	0.97	1.86
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.21	0.42	0.81
Lake County, IN	SO _x	Maintenance	100	-	4.03	8.20	15.89
Lake County, OH	SO _x	Maintenance	100	-	0.50	1.00	1.92
Lake County, OR	PM ₁₀	Maintenance	100	-	0.08	0.17	0.33
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.41	0.82	1.58
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.88	1.76	3.38
Lake Tahoe, NV	CO	Maintenance	100	-	0.28	0.57	1.09
Lamar, CO	PM ₁₀	Maintenance	100	-	0.12	0.25	0.47
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.02	0.04	0.08
Lancaster, PA	Ozone	Maintenance	100	-	6.12	12.37	23.86
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	6.12	12.37	23.86
Lane County, OR	PM ₁₀	Moderate	100	-	0.02	0.04	0.08
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	6.65	13.36	25.61
LaPorte, IN	Ozone	Maintenance	100	-	1.35	2.72	5.21
Las Vegas, NV	CO	Serious	100	-	20.98	42.14	80.80
Las Vegas, NV	Ozone	Former Subpart 1	50	-	21.29	42.76	82.00
Lauderdale County, AL	SO _x	Maintenance	100	-	1.22	2.46	4.72
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.02	0.05	0.09
Libby, MT	PM ₁₀	Moderate	100	-	0.06	0.12	0.24
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.08	0.16	0.31
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.18	0.37	0.72
Lima, OH	Ozone	Maintenance	100	-	-211.98	-315.07	-439.48

Table B1-6
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Nitrogen Oxide (NO_x) 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Longmont, CO	CO	Maintenance	100	-	1.27	2.56	4.91
Lorain County, OH	SO _x	Maintenance	100	-	0.64	1.29	2.47
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-81.74	-11.34	205.68
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	-81.74	-11.34	205.68
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-81.74	-11.34	205.68
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-81.74	-11.33	205.69
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-81.75	-11.36	205.64
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	9.65	19.39	37.17
Louisville, KY-IN	Ozone	Maintenance	100	-	15.73	31.60	60.59
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	15.22	30.57	58.61
Lowell, MA	CO	Maintenance	100	-	1.58	3.18	6.10
Lucas County, OH	SO _x	Maintenance	100	-	4.16	8.36	16.03
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.86	1.73	3.33
Macon, GA	Ozone	Maintenance	100	-	2.92	5.86	11.24
Macon, GA	PM _{2.5}	Nonattainment	100	-	2.89	5.80	11.12
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.04	0.08	0.15
Madison, WI	SO _x	Maintenance	100	-	3.42	6.87	13.18
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.13	0.27	0.51
Manchester, NH	CO	Maintenance	100	-	1.08	2.16	4.15
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	1.41	2.84	5.44
Marion County, IN	SO _x	Maintenance	100	-	4.36	8.76	16.79
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	1.57	3.16	6.06
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	4.45	8.93	17.13
Mason County, MI	Ozone	Maintenance	100	-	0.37	0.74	1.42
Medford, OR	CO	Maintenance	100	-	1.09	2.19	4.20
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	2.60	5.22	10.01
Memphis, TN-AR	Ozone	Maintenance	100	-	-44.22	-58.68	-67.69
Memphis, TN	CO	Maintenance	100	-	-45.34	-60.92	-71.99
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.41	0.83	1.58
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.07	0.14	0.27
Milwaukee, WI	SO _x	Maintenance	100	-	7.36	14.79	28.36
Milwaukee-Racine, WI	Ozone	Moderate	50	-	24.84	49.88	95.64
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-161.00	-219.04	-264.81
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	37.92	76.77	148.12
Missoula, MT	CO	Maintenance	100	-	0.30	0.90	2.15
Missoula, MT	PM ₁₀	Moderate	100	-	0.29	0.87	2.08
Modesto, CA	CO	Maintenance	100	-	4.32	8.67	16.62
Mohave County, AZ	PM ₁₀	Maintenance	100	-	1.45	2.91	5.58
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.02	0.04	0.08
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.05	0.09	0.18
Morristown, NJ	CO	Maintenance	100	-	0.46	0.91	1.75
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.40	0.81	1.56
Muncie, IN	Ozone	Maintenance	100	-	1.61	3.24	6.21
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.06	0.12	0.24
Muscatine County, IA	SO _x	Maintenance	100	-	0.21	0.42	0.81
Muskegon, MI	Ozone	Maintenance	100	-	1.78	3.59	6.90
Nashua, NH	CO	Maintenance	100	-	0.86	1.73	3.31
Nashville, TN	Ozone	Former Subpart 1	50	-	22.45	45.30	87.17

**Table B1-6
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Nitrogen Oxide (NO_x) 2025**

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	1.97	3.95	7.58
New Haven County, CT	PM ₁₀	Maintenance	100	-	1.94	3.90	7.47
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	10.96	22.01	42.20
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.08	0.17	0.32
New York County, NY	PM ₁₀	Moderate	100	-	6.36	12.77	24.50
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-7.43	45.48	177.08
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	39.90	166.83	448.92
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	38.14	163.31	442.16
Nogales, AZ	PM ₁₀	Moderate	100	-	0.57	1.14	2.19
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-110.57	-153.38	-191.92
Ogden, UT	CO	Maintenance	100	-	0.98	1.97	3.77
Ogden, UT	PM ₁₀	Moderate	100	-	0.98	1.97	3.77
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.03	0.07	0.13
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.29	0.59	1.13
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	1.50	3.01	5.77
Owens Valley, CA	PM ₁₀	Serious	70	-	0.05	0.11	0.21
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	2.02	4.06	7.78
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	2.03	4.08	7.83
Payson, AZ	PM ₁₀	Maintenance	100	-	0.27	0.55	1.05
Penns Grove, NJ	CO	Maintenance	100	-	0.01	0.01	0.03
Peoria, IL	SO _x	Maintenance	100	-	1.10	2.37	4.76
Perth Amboy, NJ	CO	Maintenance	100	-	-48.93	-72.35	-100.14
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	5.44	10.92	20.94
Philadelaphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-368.46	-516.94	-659.34
Philidelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-340.07	-459.59	-548.88
Phoenix, AZ	CO	Maintenance	100	-	65.22	131.26	252.10
Phoenix, AZ	PM ₁₀	Serious	70	-	67.21	135.27	259.80
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	67.44	135.73	260.68
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.15	0.30	0.57
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.02	0.04	0.07
Pittsburgh, PA	CO	Maintenance	100	-	0.31	0.62	1.21
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	27.24	55.05	106.09
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	24.83	50.22	96.82
Polk County, TN	SO _x	Maintenance	100	-	0.29	0.59	1.13
Polson, MT	PM ₁₀	Moderate	100	-	0.04	0.08	0.16
Portland, ME	Ozone	Maintenance	100	-	6.81	14.21	28.03
Portland, OR	CO	Maintenance	100	-	15.41	31.34	60.67
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.61	1.23	2.35
Poughkeepsie, NY	Ozone	Moderate	50	-	19.06	38.27	73.38
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.13	0.26	0.50
Providence (entire State), RI	Ozone	Moderate	50	-	12.46	25.68	50.22
Provo, UT	CO	Maintenance	100	-	2.27	4.56	8.75
Raleigh-Durham, NC	CO	Maintenance	100	-	17.98	36.23	69.64
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	24.60	49.52	95.12
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.02	0.05	0.09

**Table B1-6
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Nitrogen Oxide (NO_x) 2025**

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Reading, PA	Ozone	Maintenance	100	-	4.64	9.33	17.88
Reading, PA	PM _{2.5}	Nonattainment	100	-	4.64	9.33	17.88
Reno, NV	CO	Maintenance	100	-	3.41	6.84	13.12
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.01	0.03	0.05
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	16.30	33.13	64.13
Rillito, AZ	PM ₁₀	Moderate	100	-	0.68	1.37	2.62
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	8.94	17.95	34.42
Roanoke, VA	Ozone	Former Subpart 1	50	-	3.65	7.34	14.07
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	1.12	2.25	4.31
Rochester, NY	Ozone	Former Subpart 1	50	-	18.66	37.47	71.85
Rocky Mount, NC	Ozone	Maintenance	100	-	2.59	5.20	9.97
Rome, GA	PM _{2.5}	Nonattainment	100	-	1.67	3.36	6.45
Ronan, MT	PM ₁₀	Moderate	100	-	0.02	0.03	0.06
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.04	0.07	0.14
Sacramento County, CA	PM ₁₀	Moderate	100	-	20.88	41.92	80.38
Sacramento Metro, CA	Ozone	Severe	25	-	36.79	74.27	142.98
Sacramento, CA	CO	Maintenance	100	-	23.20	46.64	89.51
Salem, OR	CO	Maintenance	100	-	1.83	3.67	7.04
Salt Lake City, UT	CO	Maintenance	100	-	-21.00	-29.76	-38.57
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-9.60	-6.86	5.32
Salt Lake County, UT	SO _x	Nonattainment	100	-	14.36	28.84	55.30
San Antonio, TX	Ozone	Former Subpart 1	50	-	24.41	49.80	96.66
San Bernardino County, CA	PM ₁₀	Moderate	100	-	6.00	12.06	23.12
San Diego, CA	CO	Maintenance	100	-	57.69	116.02	222.68
San Diego, CA	Ozone	Former Subpart 1	50	-	57.80	116.23	223.09
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-523.87	-734.27	-935.01
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-511.99	-710.41	-889.26
San Joaquin Valley, CA	Ozone	Extreme	10	-	50.67	108.40	217.74
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	50.93	108.93	218.77
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	50.67	108.40	217.74
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.47	0.94	1.81
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.01	0.02	0.04
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	9.33	18.74	35.92
Seattle-Tacoma, WA	CO	Maintenance	100	-	41.69	83.72	160.52
Sheboygan, WI	Ozone	Moderate	50	-	1.66	3.33	6.38
Sheridan, WY	PM ₁₀	Moderate	100	-	0.30	0.61	1.17
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.24	0.49	0.94
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	5.92	12.09	23.47
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	2.42	4.87	9.35
Spokane County, WA	PM ₁₀	Maintenance	100	-	4.14	8.32	15.95
Spokane, WA	CO	Maintenance	100	-	4.10	8.23	15.78
Springfield (western MA), MA	Ozone	Moderate	50	-	11.93	24.23	46.85
Springfield, MA	CO	Maintenance	100	-	1.81	3.74	7.32
St Louis, MO	CO	Maintenance	100	-	12.77	25.65	49.18
St Louis, MO-IL	Ozone	Moderate	50	-	-304.25	-431.96	-561.82
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-304.52	-432.51	-562.87
State College, PA	Ozone	Maintenance	100	-	2.38	4.78	9.17

Table B1-6
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Nitrogen Oxide (NO_x) 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.26	0.52	0.99
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.59	1.19	2.29
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-11.23	-16.04	-21.06
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-11.23	-16.04	-21.06
Stockton, CA	CO	Maintenance	100	-	6.49	13.02	24.97
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	7.16	14.37	27.55
Telluride, CO	PM ₁₀	Maintenance	100	-	0.02	0.04	0.08
Terre Haute, IN	Ozone	Maintenance	100	-	1.83	3.68	7.06
Tioga County, PA	Ozone	Maintenance	100	-	0.79	1.58	3.02
Toledo, OH	Ozone	Maintenance	100	-	-198.34	-291.56	-400.19
Toms River, NJ	CO	Maintenance	100	-	1.39	2.78	5.34
Tooele County, UT	SO _x	Nonattainment	100	-	1.41	2.82	5.42
Trenton, NJ	CO	Maintenance	100	-	1.23	2.48	4.75
Trona, CA	PM ₁₀	Moderate	100	-	0.04	0.09	0.17
Tucson, AZ	CO	Maintenance	100	-	13.86	27.84	53.38
Utah County, UT	PM ₁₀	Moderate	100	-	6.76	13.58	26.04
Vancouver, WA	CO	Maintenance	100	-	4.34	8.71	16.70
Ventura County, CA	Ozone	Serious	50	-	11.15	22.69	43.96
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.10	0.20	0.39
Vigo County, IN	SO _x	Maintenance	100	-	1.83	3.68	7.06
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.79	1.58	3.03
Warren County, NJ	SO _x	Maintenance	100	-	0.50	1.00	1.92
Warren County, PA	SO _x	Nonattainment	100	-	0.07	0.21	0.50
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	2.96	5.95	11.41
Washington, DC-MD-VA	CO	Maintenance	100	-	21.83	43.84	84.05
Washington, DC-MD-VA	Ozone	Moderate	50	-	75.29	151.20	289.92
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	73.72	148.05	283.87
Washoe County, NV	PM ₁₀	Serious	70	-	3.41	6.84	13.12
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.06	0.11	0.22
Wayne County, IN	SO _x	Maintenance	100	-	1.00	2.01	3.85
Wayne County, MI	PM ₁₀	Maintenance	100	-	-51.09	-75.59	-104.75
Weirton, WV	PM ₁₀	Maintenance	100	-	0.13	0.27	0.52
Weirton, WV	SO _x	Maintenance	100	-	0.18	0.35	0.68
Wheeling, WV-OH	Ozone	Maintenance	100	-	2.08	4.18	8.01
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	2.08	4.18	8.01
Winston-Salem, NC	CO	Maintenance	100	-	5.73	11.50	22.06
Worcester, MA	CO	Maintenance	100	-	3.04	6.10	11.69
Yakima County, WA	PM ₁₀	Maintenance	100	-	1.30	2.60	4.99
Yakima, WA	CO	Maintenance	100	-	0.53	1.07	2.05
York, PA	Ozone	Maintenance	100	-	6.20	12.46	23.89
York, PA	PM _{2.5}	Nonattainment	100	-	4.82	9.69	18.58
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	8.90	17.87	34.26
Yuma, AZ	PM ₁₀	Moderate	100	-	2.59	5.20	9.97

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

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

c/ Emissions thresholds in tons/year of: VOC or NO_x in ozone NAAs; primary PM_{2.5} in PM_{2.5} NAAs. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the proposed actions. Source: EPA, 2008.

**Table B1-7
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Nitrogen Oxide (NO_x) 2040**

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.10	0.19	0.01
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.23	0.43	0.03
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.24	0.45	0.03
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	69.34	132.15	7.64
Albuquerque, NM	CO	Maintenance	100	-	32.02	60.87	4.31
Allegan County, MI	Ozone	Former Subpart 1	50	-	8.51	16.17	1.14
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	31.69	60.50	3.00
Altoona, PA	Ozone	Maintenance	100	-	5.16	9.82	0.69
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	11.08	21.07	1.49
Anchorage, AK	CO	Maintenance	100	-	8.31	15.80	1.12
Anthony, NM	PM ₁₀	Moderate	100	-	0.40	0.76	0.05
Armstrong County, PA	SO _x	Nonattainment	100	-	0.27	0.51	0.04
Aspen, CO	PM ₁₀	Maintenance	100	-	0.40	0.77	0.05
Atlanta, GA	Ozone	Moderate	50	-	383.47	729.35	49.32
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	383.63	729.66	49.34
Atlantic City, NJ	CO	Maintenance	100	-	2.71	5.16	0.37
Bakersfield, CA	CO	Maintenance	100	-	-5.39	0.21	-50.09
Baltimore, MD	CO	Maintenance	100	-	0.44	0.86	-0.09
Baltimore, MD	Ozone	Moderate	50	-	165.71	315.91	17.88
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	165.71	315.90	17.88
Baton Rouge, LA	Ozone	Moderate	50	-	-879.68	-1,363.27	-1,575.76
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-2,548.48	-3,980.64	-4,417.95
Benton County, TN	SO _x	Maintenance	100	-	0.06	0.11	0.01
Benton Harbor, MI	Ozone	Maintenance	100	-	8.88	16.90	1.06
Benzie County, MI	Ozone	Maintenance	100	-	1.41	2.68	0.19
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	8.30	15.78	1.12
Billings, MT	CO	Maintenance	100	-	-301.74	-470.80	-525.44
Birmingham, AL	Ozone	Maintenance	100	-	24.42	56.20	-42.95
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	24.60	56.55	-42.92
Boise-Northern Ada County, ID	CO	Maintenance	100	-	17.37	33.43	0.39
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	17.37	33.43	0.39
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	1.02	1.94	0.14
Boston, MA	CO	Maintenance	100	-	45.87	87.18	6.15
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	280.43	533.06	37.59
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	36.69	69.74	4.93
Boyd County (part), KY	SO _x	Maintenance	100	-	0.50	0.94	0.07
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	61.44	116.78	8.26
Burlington, NJ	CO	Maintenance	100	-	0.37	0.70	0.05
Butte, MT	PM ₁₀	Moderate	100	-	1.01	1.92	0.14
Canon City, CO	PM ₁₀	Maintenance	100	-	1.17	2.22	0.16
Canton-Massillon, OH	Ozone	Maintenance	100	-	-88.60	-133.50	-176.69
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-88.60	-133.50	-176.69
Case County, MI	Ozone	Maintenance	100	-	2.31	4.39	0.31
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.04	0.08	0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.30	0.58	0.04
Charleston, WV	Ozone	Maintenance	100	-	13.90	26.42	1.87
Charleston, WV	PM _{2.5}	Nonattainment	100	-	13.90	26.42	1.87
Charlotte, NC	CO	Maintenance	100	-	42.64	81.04	5.73
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	94.13	178.91	12.66

Table B1-7
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Nitrogen Oxide (NO_x) 2040

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	28.92	55.02	3.63
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	26.56	50.54	3.31
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-1,297.93	-1,898.04	-2,860.28
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-1,284.54	-1,872.58	-2,858.48
Chico, CA	CO	Maintenance	100	-	7.12	13.54	0.96
Chico, CA	Ozone	Former Subpart 1	50	-	15.65	29.75	2.10
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	108.12	205.52	14.54
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	104.79	199.17	14.09
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.64	1.23	0.05
Clark County, NV	PM ₁₀	Serious	70	-	91.29	173.52	12.28
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	14.81	28.15	1.99
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	9.58	18.21	1.29
Cleveland, OH	CO	Maintenance	100	-	46.34	88.08	6.23
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	136.25	258.97	18.32
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	125.09	237.76	16.82
Coachella Valley, CA	PM ₁₀	Serious	70	-	40.56	77.10	5.46
Colbert County, AL	SO _x	Maintenance	100	-	2.94	5.58	0.40
Colorado Springs, CO	CO	Maintenance	100	-	32.05	61.84	-0.00
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.33	0.62	0.04
Columbia, SC	Ozone	Former Subpart 1	50	-	35.65	67.77	4.80
Columbus, OH	Ozone	Maintenance	100	-	97.27	184.88	13.08
Columbus, OH	PM _{2.5}	Nonattainment	100	-	90.43	171.88	12.16
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.09	0.19	-0.10
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.02	0.04	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	46.34	88.08	6.23
Cuyahoga County, OH	SO _x	Maintenance	100	-	38.53	73.24	5.18
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	407.44	775.70	48.89
Dayton-Springfield, OH	Ozone	Maintenance	100	-	43.41	82.50	5.84
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	38.24	72.68	5.14
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-15.25	34.51	-301.74
Denver-Boulder, CO	CO	Maintenance	100	-	-22.86	20.04	-302.77
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	20.53	102.55	-297.06
Detroit, MI	CO	Maintenance	100	-	-115.54	-154.33	-323.67
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.51	85.34	-398.17
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-4.20	76.40	-398.80
Door County, WI	Ozone	Former Subpart 1	50	-	2.10	3.99	0.28
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	1.88	3.57	0.25
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	1.51	2.88	0.20
Duluth, MN	CO	Maintenance	100	-	4.17	7.92	0.56
Eagle River, AK	PM ₁₀	Moderate	100	-	0.52	0.98	0.07
East Chicago, IN	CO	Maintenance	100	-	0.05	0.10	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	-1,118.98	-1,747.29	-1,942.30
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.05	0.10	0.01
El Paso County, TX	PM ₁₀	Moderate	100	-	-89.52	-130.89	-197.35
El Paso, TX	CO	Maintenance	100	-	1.65	3.16	0.16
Erie, PA	Ozone	Maintenance	100	-	11.89	22.60	1.60
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.09	0.18	0.01

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Nitrogen Oxide (NO_x) 2040

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Eugene-Springfield, OR	CO	Maintenance	100	-	12.92	24.55	1.74
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	12.38	23.53	1.66
Evansville, IN	Ozone	Maintenance	100	-	13.61	25.86	1.83
Evansville, IN	PM _{2.5}	Nonattainment	100	-	17.35	32.99	2.33
Fairbanks, AK	CO	Maintenance	100	-	1.02	1.95	0.14
Fayetteville, NC	Ozone	Former Subpart 1	50	-	16.08	30.57	2.16
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.43	0.81	0.06
Flint, MI	Ozone	Maintenance	100	-	27.49	52.26	3.70
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.05	0.10	0.01
Fort Collins, CO	CO	Maintenance	100	-	10.52	19.99	1.41
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.03	0.07	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	19.93	37.89	2.68
Franklin County, PA	Ozone	Maintenance	100	-	8.50	16.16	1.14
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.04	0.07	0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	7.16	13.62	0.96
Fredericksburg, VA	Ozone	Maintenance	100	-	24.99	47.50	3.36
Freehold, NJ	CO	Maintenance	100	-	1.08	2.04	0.14
Fresno, CA	CO	Maintenance	100	-	33.77	64.42	3.43
Grand Rapids, MI	Ozone	Maintenance	100	-	46.16	87.74	6.21
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	2.02	3.85	0.24
Grant County, NM	SO _x	Maintenance	100	-	0.13	0.25	0.02
Grants Pass, OR	CO	Maintenance	100	-	0.03	0.05	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	1.96	3.72	0.26
Great Falls, MT	CO	Maintenance	100	-	0.94	1.79	0.13
Greater Connecticut, CT	Ozone	Moderate	50	-	86.41	164.50	10.43
Greeley, CO	CO	Maintenance	100	-	7.07	13.43	0.95
Green Bay, WI	SO _x	Maintenance	100	-	6.81	12.95	0.92
Greene County, IN	Ozone	Maintenance	100	-	2.64	5.02	0.36
Greene County, PA	Ozone	Maintenance	100	-	2.38	4.52	0.32
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	86.29	164.34	10.05
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	41.76	79.70	4.06
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	46.08	87.94	4.53
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	1.21	2.29	0.16
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	6.32	12.00	0.85
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	47.87	91.16	5.68
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	44.11	84.00	5.17
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	54.93	104.67	6.20
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.60	1.13	0.08
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	2.35	4.48	0.32
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.27	0.51	0.04
Hazelwood, PA	SO _x	Maintenance	100	-	2.07	3.96	0.15
Hickory, NC	PM _{2.5}	Nonattainment	100	-	9.19	17.46	1.24
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	15.43	29.34	2.08
Hollis Township, IL	SO _x	Maintenance	100	-	0.10	0.20	-0.01
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-2,625.89	-4,001.98	-5,022.15
Humphreys County, TN	SO _x	Maintenance	100	-	0.15	0.28	0.02
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-605.45	-942.12	-1,066.47
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-612.90	-956.27	-1,067.48
Huron County, MI	Ozone	Maintenance	100	-	1.48	2.81	0.20

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Imperial County, CA	Ozone	Moderate	50	-	13.22	25.13	1.78
Imperial Valley, CA	PM ₁₀	Serious	70	-	12.94	24.60	1.74
Indian Wells, CA	PM ₁₀	Maintenance	100	-	1.75	3.33	0.24
Indianapolis, IN	CO	Maintenance	100	-	0.05	0.09	0.01
Indianapolis, IN	Ozone	Maintenance	100	-	112.82	214.44	15.17
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	89.62	170.35	12.05
Jackson County, IN	Ozone	Maintenance	100	-	4.21	8.01	0.57
Jamestown, NY	Ozone	Former Subpart 1	50	-	8.25	15.68	1.11
Jefferson County, NY	Ozone	Moderate	50	-	6.64	12.63	0.89
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.37	0.70	0.05
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	11.35	21.57	1.53
Johnstown, PA	Ozone	Maintenance	100	-	4.70	8.94	0.63
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	5.18	9.84	0.70
Juneau, AK	PM ₁₀	Moderate	100	-	0.68	1.28	0.09
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	26.86	51.06	3.61
Kalispell, MT	PM ₁₀	Moderate	100	-	1.74	3.30	0.23
Kansas City, MO-KS	Ozone	Maintenance	100	-	90.88	173.83	7.07
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	8.15	15.49	1.10
Kent, WA	PM ₁₀	Maintenance	100	-	1.49	2.84	0.20
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	4.46	8.47	0.60
Kewaunee County, WI	Ozone	Maintenance	100	-	1.30	2.46	0.17
King County, WA	PM ₁₀	Maintenance	100	-	0.59	1.12	0.08
Klamath Falls, OR	CO	Maintenance	100	-	2.59	4.93	0.35
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	2.59	4.93	0.35
Knoxville, TN	Ozone	Former Subpart 1	50	-	69.26	131.65	9.32
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	52.82	100.40	7.10
La Porte County, IN	SO _x	Maintenance	100	-	1.76	3.34	0.24
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.81	1.54	0.11
Lake County, IN	SO _x	Maintenance	100	-	15.10	28.88	1.20
Lake County, OH	SO _x	Maintenance	100	-	1.89	3.58	0.25
Lake County, OR	PM ₁₀	Maintenance	100	-	0.31	0.59	0.04
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	1.98	3.76	0.27
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	4.34	8.25	0.58
Lake Tahoe, NV	CO	Maintenance	100	-	1.09	2.08	0.15
Lamar, CO	PM ₁₀	Maintenance	100	-	0.46	0.88	0.06
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.07	0.13	0.01
Lancaster, PA	Ozone	Maintenance	100	-	24.50	46.72	2.62
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	24.50	46.72	2.62
Lane County, OR	PM ₁₀	Moderate	100	-	0.07	0.13	0.01
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	25.88	49.19	3.48
LaPorte, IN	Ozone	Maintenance	100	-	4.90	9.32	0.66
Las Vegas, NV	CO	Serious	100	-	91.29	173.52	12.28
Las Vegas, NV	Ozone	Former Subpart 1	50	-	92.42	175.66	12.43
Lauderdale County, AL	SO _x	Maintenance	100	-	4.53	8.60	0.61
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.09	0.17	0.01
Libby, MT	PM ₁₀	Moderate	100	-	0.22	0.42	0.03
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.29	0.55	0.04
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.64	1.23	0.05
Lima, OH	Ozone	Maintenance	100	-	-533.20	-832.39	-926.45

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Longmont, CO	CO	Maintenance	100	-	5.49	10.43	0.74
Lorain County, OH	SO _x	Maintenance	100	-	2.50	4.75	0.34
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	132.32	501.62	-1,162.76
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	132.32	501.62	-1,162.76
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	132.32	501.62	-1,162.76
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	132.32	501.63	-1,162.76
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	132.28	501.54	-1,162.77
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	40.09	76.21	5.39
Louisville, KY-IN	Ozone	Maintenance	100	-	59.93	113.92	8.06
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	57.46	109.23	7.73
Lowell, MA	CO	Maintenance	100	-	6.44	12.24	0.87
Lucas County, OH	SO _x	Maintenance	100	-	15.22	28.93	2.05
Lyons Township, IL	PM ₁₀	Maintenance	100	-	3.17	6.03	0.41
Macon, GA	Ozone	Maintenance	100	-	10.55	20.05	1.42
Macon, GA	PM _{2.5}	Nonattainment	100	-	10.42	19.81	1.40
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.14	0.28	0.02
Madison, WI	SO _x	Maintenance	100	-	14.60	27.74	1.96
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.66	1.26	0.09
Manchester, NH	CO	Maintenance	100	-	3.89	7.40	0.52
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	5.29	10.06	0.71
Marion County, IN	SO _x	Maintenance	100	-	16.11	30.62	2.17
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	7.13	13.56	0.96
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	17.39	33.05	2.34
Mason County, MI	Ozone	Maintenance	100	-	1.46	2.77	0.20
Medford, OR	CO	Maintenance	100	-	4.73	8.98	0.64
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	11.33	21.54	1.52
Memphis, TN-AR	Ozone	Maintenance	100	-	-95.26	-131.76	-245.56
Memphis, TN	CO	Maintenance	100	-	-99.19	-139.22	-246.08
Miami (Gila County), AZ	SO _x	Maintenance	100	-	1.75	3.33	0.24
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.25	0.47	0.01
Milwaukee, WI	SO _x	Maintenance	100	-	27.42	52.12	3.69
Milwaukee-Racine, WI	Ozone	Moderate	50	-	97.93	186.13	13.17
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-345.96	-486.90	-852.13
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	154.35	294.38	16.01
Missoula, MT	CO	Maintenance	100	-	2.05	4.36	-1.92
Missoula, MT	PM ₁₀	Moderate	100	-	1.98	4.22	-1.86
Modesto, CA	CO	Maintenance	100	-	19.13	36.35	2.57
Mohave County, AZ	PM ₁₀	Maintenance	100	-	6.49	12.33	0.87
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.09	0.18	0.01
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.17	0.33	0.02
Morristown, NJ	CO	Maintenance	100	-	1.98	3.76	0.27
Muhlenberg County, KY	SO _x	Maintenance	100	-	1.48	2.82	0.20
Muncie, IN	Ozone	Maintenance	100	-	5.65	10.73	0.76
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.26	0.50	0.04
Muscatine County, IA	SO _x	Maintenance	100	-	0.84	1.59	0.11
Muskegon, MI	Ozone	Maintenance	100	-	7.03	13.38	0.84
Nashua, NH	CO	Maintenance	100	-	3.13	5.96	0.42
Nashville, TN	Ozone	Former Subpart 1	50	-	92.13	175.44	10.80

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	9.46	17.99	1.27
New Haven County, CT	PM ₁₀	Maintenance	100	-	8.18	15.56	1.10
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	41.31	78.52	5.56
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.30	0.57	0.04
New York County, NY	PM ₁₀	Moderate	100	-	23.07	43.85	3.10
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	123.16	332.93	-449.98
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	383.43	870.72	-618.25
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	376.29	857.13	-619.21
Nogales, AZ	PM ₁₀	Moderate	100	-	2.30	4.37	0.31
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-249.79	-362.40	-564.07
Ogden, UT	CO	Maintenance	100	-	3.71	7.04	0.50
Ogden, UT	PM ₁₀	Moderate	100	-	3.71	7.04	0.50
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.11	0.21	0.02
Olmsted County, MN	PM ₁₀	Maintenance	100	-	1.06	2.01	0.14
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	6.34	12.05	0.85
Owens Valley, CA	PM ₁₀	Serious	70	-	0.25	0.47	0.03
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.01	0.02	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	7.56	14.37	1.02
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	7.61	14.46	1.01
Payson, AZ	PM ₁₀	Maintenance	100	-	1.13	2.14	0.15
Penns Grove, NJ	CO	Maintenance	100	-	0.03	0.05	0.00
Peoria, IL	SO _x	Maintenance	100	-	4.41	8.63	-0.58
Perth Amboy, NJ	CO	Maintenance	100	-	-121.48	-188.46	-216.67
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	19.47	37.00	2.61
Philadelaphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-849.14	-1,249.01	-1,836.98
Philidelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-737.42	-1,036.11	-1,824.51
Phoenix, AZ	CO	Maintenance	100	-	307.78	585.47	39.21
Phoenix, AZ	PM ₁₀	Serious	70	-	316.25	601.57	40.32
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	317.15	603.29	40.44
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.55	1.04	0.07
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.06	0.11	0.01
Pittsburgh, PA	CO	Maintenance	100	-	1.38	2.64	0.10
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	103.11	196.57	11.11
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	94.03	179.30	9.93
Polk County, TN	SO _x	Maintenance	100	-	1.11	2.12	0.15
Polson, MT	PM ₁₀	Moderate	100	-	0.18	0.34	0.02
Portland, ME	Ozone	Maintenance	100	-	28.06	54.19	-0.27
Portland, OR	CO	Maintenance	100	-	60.50	115.63	5.11
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	2.31	4.38	0.31
Poughkeepsie, NY	Ozone	Moderate	50	-	81.07	154.09	10.90
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.46	0.88	0.06
Providence (entire State), RI	Ozone	Moderate	50	-	51.58	99.11	1.87
Provo, UT	CO	Maintenance	100	-	9.69	18.42	1.30
Raleigh-Durham, NC	CO	Maintenance	100	-	75.50	143.70	9.24
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	102.82	195.63	12.92
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.08	0.16	-0.01

Table B1-7
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Nitrogen Oxide (NO_x) 2040

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Reading, PA	Ozone	Maintenance	100	-	17.90	34.01	2.41
Reading, PA	PM _{2.5}	Nonattainment	100	-	17.90	34.01	2.41
Reno, NV	CO	Maintenance	100	-	13.33	25.35	1.79
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.06	0.12	0.01
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	64.34	122.96	5.53
Rillito, AZ	PM ₁₀	Moderate	100	-	3.00	5.71	0.40
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	40.56	77.10	5.46
Roanoke, VA	Ozone	Former Subpart 1	50	-	13.75	26.14	1.85
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	4.51	8.57	0.61
Rochester, NY	Ozone	Former Subpart 1	50	-	72.05	136.95	9.69
Rocky Mount, NC	Ozone	Maintenance	100	-	9.70	18.43	1.30
Rome, GA	PM _{2.5}	Nonattainment	100	-	6.40	12.17	0.86
Ronan, MT	PM ₁₀	Moderate	100	-	0.07	0.13	0.01
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.13	0.25	0.02
Sacramento County, CA	PM ₁₀	Moderate	100	-	92.67	176.13	12.46
Sacramento Metro, CA	Ozone	Severe	25	-	168.09	320.12	19.61
Sacramento, CA	CO	Maintenance	100	-	103.94	197.63	13.62
Salem, OR	CO	Maintenance	100	-	6.96	13.23	0.94
Salt Lake City, UT	CO	Maintenance	100	-	-48.53	-71.91	-102.46
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-2.93	14.76	-96.33
Salt Lake County, UT	SO _x	Nonattainment	100	-	57.55	109.39	7.74
San Antonio, TX	Ozone	Former Subpart 1	50	-	101.53	194.27	7.58
San Bernardino County, CA	PM ₁₀	Moderate	100	-	24.89	47.31	3.35
San Diego, CA	CO	Maintenance	100	-	251.15	477.62	32.61
San Diego, CA	Ozone	Former Subpart 1	50	-	251.63	478.53	32.67
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-1,175.09	-1,713.43	-2,613.05
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-1,127.62	-1,623.20	-2,606.67
San Joaquin Valley, CA	Ozone	Extreme	10	-	246.77	479.92	-18.16
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	247.62	481.54	-18.05
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	246.77	479.92	-18.16
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	2.01	3.82	0.27
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.04	0.07	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	36.03	68.48	4.85
Seattle-Tacoma, WA	CO	Maintenance	100	-	170.55	324.17	22.94
Sheboygan, WI	Ozone	Moderate	50	-	6.63	12.60	0.89
Sheridan, WY	PM ₁₀	Moderate	100	-	1.16	2.20	0.16
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.98	1.86	0.13
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	23.39	44.78	1.62
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	8.02	15.26	1.04
Spokane County, WA	PM ₁₀	Maintenance	100	-	16.87	32.06	2.27
Spokane, WA	CO	Maintenance	100	-	16.68	31.71	2.24
Springfield (western MA), MA	Ozone	Moderate	50	-	46.77	89.33	4.23
Springfield, MA	CO	Maintenance	100	-	7.50	14.42	0.19
St Louis, MO	CO	Maintenance	100	-	44.24	84.09	5.95
St Louis, MO-IL	Ozone	Moderate	50	-	-717.79	-1,071.31	-1,479.69
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-718.81	-1,073.24	-1,479.83
State College, PA	Ozone	Maintenance	100	-	9.77	18.57	1.31

Table B1-7
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Nitrogen Oxide (NO_x) 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	1.18	2.24	0.16
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	2.12	4.03	0.29
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-26.96	-40.59	-53.93
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-26.96	-40.59	-53.93
Stockton, CA	CO	Maintenance	100	-	28.89	54.91	3.89
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	26.82	50.99	3.61
Telluride, CO	PM ₁₀	Maintenance	100	-	0.10	0.20	0.01
Terre Haute, IN	Ozone	Maintenance	100	-	6.49	12.33	0.87
Tioga County, PA	Ozone	Maintenance	100	-	2.86	5.44	0.39
Toledo, OH	Ozone	Maintenance	100	-	-491.36	-759.23	-890.73
Toms River, NJ	CO	Maintenance	100	-	5.93	11.27	0.80
Tooele County, UT	SO _x	Nonattainment	100	-	5.65	10.74	0.76
Trenton, NJ	CO	Maintenance	100	-	4.86	9.23	0.65
Trona, CA	PM ₁₀	Moderate	100	-	0.19	0.37	0.03
Tucson, AZ	CO	Maintenance	100	-	57.63	109.54	7.75
Utah County, UT	PM ₁₀	Moderate	100	-	28.13	53.46	3.78
Vancouver, WA	CO	Maintenance	100	-	18.72	35.59	2.52
Ventura County, CA	Ozone	Serious	50	-	49.85	95.25	4.38
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.36	0.69	0.05
Vigo County, IN	SO _x	Maintenance	100	-	6.49	12.33	0.87
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	3.02	5.74	0.41
Warren County, NJ	SO _x	Maintenance	100	-	1.98	3.76	0.27
Warren County, PA	SO _x	Nonattainment	100	-	0.39	0.85	-0.45
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	11.35	21.57	1.53
Washington, DC-MD-VA	CO	Maintenance	100	-	86.63	164.67	11.65
Washington, DC-MD-VA	Ozone	Moderate	50	-	310.07	589.36	41.70
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	303.20	576.31	40.78
Washoe County, NV	PM ₁₀	Serious	70	-	13.33	25.35	1.79
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.21	0.41	0.03
Wayne County, IN	SO _x	Maintenance	100	-	3.49	6.64	0.47
Wayne County, MI	PM ₁₀	Maintenance	100	-	-128.26	-199.15	-227.93
Weirton, WV	PM ₁₀	Maintenance	100	-	0.44	0.84	0.06
Weirton, WV	SO _x	Maintenance	100	-	0.59	1.11	0.08
Wheeling, WV-OH	Ozone	Maintenance	100	-	7.31	13.89	0.98
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	7.31	13.89	0.98
Winston-Salem, NC	CO	Maintenance	100	-	22.55	42.87	3.03
Worcester, MA	CO	Maintenance	100	-	12.64	24.02	1.70
Yakima County, WA	PM ₁₀	Maintenance	100	-	5.16	9.81	0.69
Yakima, WA	CO	Maintenance	100	-	2.33	4.42	0.31
York, PA	Ozone	Maintenance	100	-	25.01	47.53	3.36
York, PA	PM _{2.5}	Nonattainment	100	-	19.39	36.85	2.61
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	32.00	60.83	4.30
Yuma, AZ	PM ₁₀	Moderate	100	-	11.01	20.94	1.48

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

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

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

Source: EPA, 2008.

Table B1-8
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Nitrogen Oxide (NO_x) 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.13	0.25	0.02
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.34	0.63	0.06
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.35	0.66	0.06
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	103.63	192.42	15.18
Albuquerque, NM	CO	Maintenance	100	-	47.20	87.47	7.88
Allegan County, MI	Ozone	Former Subpart 1	50	-	13.31	24.66	2.22
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	47.23	87.80	6.35
Altoona, PA	Ozone	Maintenance	100	-	7.14	13.23	1.18
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	18.99	35.19	3.17
Anchorage, AK	CO	Maintenance	100	-	12.79	23.70	2.13
Anthony, NM	PM ₁₀	Moderate	100	-	0.58	1.08	0.10
Armstrong County, PA	SO _x	Nonattainment	100	-	0.40	0.74	0.07
Aspen, CO	PM ₁₀	Maintenance	100	-	0.62	1.16	0.10
Atlanta, GA	Ozone	Moderate	50	-	592.58	1,098.61	96.17
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	592.77	1,098.96	96.20
Atlantic City, NJ	CO	Maintenance	100	-	3.88	7.20	0.65
Bakersfield, CA	CO	Maintenance	100	-	-1.41	9.12	-64.06
Baltimore, MD	CO	Maintenance	100	-	0.63	1.20	-0.10
Baltimore, MD	Ozone	Moderate	50	-	252.53	468.99	36.58
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	252.53	468.98	36.58
Baton Rouge, LA	Ozone	Moderate	50	-	-1,165.44	-1,812.95	-2,078.98
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-3,392.08	-5,316.35	-5,835.38
Benton County, TN	SO _x	Maintenance	100	-	0.08	0.15	0.01
Benton Harbor, MI	Ozone	Maintenance	100	-	12.04	22.34	1.84
Benzie County, MI	Ozone	Maintenance	100	-	2.29	4.25	0.38
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	12.67	23.47	2.11
Billings, MT	CO	Maintenance	100	-	-401.27	-628.24	-693.90
Birmingham, AL	Ozone	Maintenance	100	-	38.17	81.73	-53.41
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	38.46	82.26	-53.36
Boise-Northern Ada County, ID	CO	Maintenance	100	-	27.14	50.71	2.26
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	27.14	50.71	2.26
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	1.67	3.10	0.28
Boston, MA	CO	Maintenance	100	-	67.30	124.71	11.21
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	417.40	773.51	69.49
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	55.74	103.29	9.30
Boyd County (part), KY	SO _x	Maintenance	100	-	0.70	1.30	0.12
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	89.00	164.93	14.85
Burlington, NJ	CO	Maintenance	100	-	0.37	0.69	0.06
Butte, MT	PM ₁₀	Moderate	100	-	1.33	2.47	0.22
Canon City, CO	PM ₁₀	Maintenance	100	-	1.91	3.55	0.32
Canton-Massillon, OH	Ozone	Maintenance	100	-	-116.72	-177.09	-232.53
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-116.72	-177.09	-232.53
Case County, MI	Ozone	Maintenance	100	-	3.33	6.17	0.56
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.07	0.12	0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.39	0.72	0.07
Charleston, WV	Ozone	Maintenance	100	-	19.03	35.27	3.18

Table B1-8
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Nitrogen Oxide (NO_x) 2060

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Charleston, WV	PM _{2.5}	Nonattainment	100	-	19.03	35.27	3.18
Charlotte, NC	CO	Maintenance	100	-	66.23	122.73	11.05
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	144.73	268.19	24.15
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	41.92	77.73	6.68
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	38.82	71.99	6.16
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-1,657.26	-2,432.14	-3,749.12
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-1,637.09	-2,394.77	-3,745.75
Chico, CA	CO	Maintenance	100	-	12.27	22.73	2.05
Chico, CA	Ozone	Former Subpart 1	50	-	25.70	47.62	4.29
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	160.71	297.81	26.82
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	155.52	288.19	25.95
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.79	1.47	0.08
Clark County, NV	PM ₁₀	Serious	70	-	147.07	272.53	24.54
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	22.74	42.14	3.79
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	13.86	25.68	2.31
Cleveland, OH	CO	Maintenance	100	-	62.54	115.89	10.44
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	196.27	363.71	32.75
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	179.48	332.59	29.95
Coachella Valley, CA	PM ₁₀	Serious	70	-	67.30	124.71	11.23
Colbert County, AL	SO _x	Maintenance	100	-	3.94	7.30	0.66
Colorado Springs, CO	CO	Maintenance	100	-	51.30	96.03	3.29
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.52	0.97	0.09
Columbia, SC	Ozone	Former Subpart 1	50	-	53.28	98.73	8.89
Columbus, OH	Ozone	Maintenance	100	-	151.02	279.85	25.20
Columbus, OH	PM _{2.5}	Nonattainment	100	-	140.65	260.64	23.47
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.09	0.19	-0.12
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.02	0.03	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	62.54	115.89	10.44
Cuyahoga County, OH	SO _x	Maintenance	100	-	53.92	99.92	9.00
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	643.06	1,192.94	100.26
Dayton-Springfield, OH	Ozone	Maintenance	100	-	61.44	113.86	10.25
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	53.95	99.98	9.00
Denver Metro, CO	PM ₁₀	Maintenance	100	-	20.27	108.57	-382.55
Denver-Boulder, CO	CO	Maintenance	100	-	8.27	86.32	-384.55
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	76.28	212.39	-373.35
Detroit, MI	CO	Maintenance	100	-	-183.47	-260.37	-463.33
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	36.78	162.91	-508.89
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	29.80	149.98	-510.06
Door County, WI	Ozone	Former Subpart 1	50	-	3.22	5.97	0.54
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	2.66	4.94	0.44
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	2.19	4.07	0.37
Duluth, MN	CO	Maintenance	100	-	5.83	10.81	0.97
Eagle River, AK	PM ₁₀	Moderate	100	-	0.82	1.52	0.14
East Chicago, IN	CO	Maintenance	100	-	0.07	0.13	0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	-1,489.26	-2,333.47	-2,565.33
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.08	0.15	0.01
El Paso County, TX	PM ₁₀	Moderate	100	-	-114.23	-167.61	-258.54
El Paso, TX	CO	Maintenance	100	-	2.41	4.48	0.33

Table B1-8
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Nitrogen Oxide (NO_x) 2060

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Erie, PA	Ozone	Maintenance	100	-	16.91	31.33	2.82
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.15	0.28	0.03
Eugene-Springfield, OR	CO	Maintenance	100	-	19.65	36.41	3.28
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	18.88	34.99	3.15
Evansville, IN	Ozone	Maintenance	100	-	19.86	36.80	3.31
Evansville, IN	PM _{2.5}	Nonattainment	100	-	25.07	46.45	4.18
Fairbanks, AK	CO	Maintenance	100	-	1.60	2.97	0.27
Fayetteville, NC	Ozone	Former Subpart 1	50	-	23.79	44.08	3.97
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.68	1.26	0.11
Flint, MI	Ozone	Maintenance	100	-	39.61	73.40	6.61
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.05	0.10	0.01
Fort Collins, CO	CO	Maintenance	100	-	16.67	30.89	2.78
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.04	0.08	0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	29.53	54.72	4.93
Franklin County, PA	Ozone	Maintenance	100	-	12.83	23.78	2.14
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.06	0.10	0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	10.65	19.74	1.78
Fredericksburg, VA	Ozone	Maintenance	100	-	39.99	74.10	6.67
Freehold, NJ	CO	Maintenance	100	-	1.85	3.42	0.31
Fresno, CA	CO	Maintenance	100	-	52.70	97.89	7.53
Grand Rapids, MI	Ozone	Maintenance	100	-	70.70	131.01	11.80
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	2.71	5.04	0.42
Grant County, NM	SO _x	Maintenance	100	-	0.17	0.32	0.03
Grants Pass, OR	CO	Maintenance	100	-	0.04	0.08	0.01
Grants Pass, OR	PM ₁₀	Maintenance	100	-	3.14	5.83	0.52
Great Falls, MT	CO	Maintenance	100	-	1.22	2.25	0.20
Greater Connecticut, CT	Ozone	Moderate	50	-	124.79	231.52	19.34
Greeley, CO	CO	Maintenance	100	-	10.90	20.20	1.82
Green Bay, WI	SO _x	Maintenance	100	-	10.13	18.77	1.69
Greene County, IN	Ozone	Maintenance	100	-	3.90	7.22	0.65
Greene County, PA	Ozone	Maintenance	100	-	3.40	6.30	0.57
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	126.31	234.41	19.23
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	60.70	112.82	8.28
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	66.13	122.92	9.03
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	1.76	3.26	0.29
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	9.34	17.31	1.56
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	73.08	135.60	11.26
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	67.28	124.85	10.29
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	78.26	145.30	11.58
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.95	1.76	0.16
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	3.79	7.02	0.63
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.40	0.75	0.07
Hazelwood, PA	SO _x	Maintenance	100	-	3.11	5.79	0.32
Hickory, NC	PM _{2.5}	Nonattainment	100	-	12.93	23.96	2.16
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	22.14	41.03	3.69
Hollis Township, IL	SO _x	Maintenance	100	-	0.14	0.27	-0.01
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-3,435.80	-5,256.27	-6,609.57
Humphreys County, TN	SO _x	Maintenance	100	-	0.22	0.41	0.04

Table B1-8
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Nitrogen Oxide (NO_x) 2060

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-805.21	-1,257.79	-1,408.06
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-816.07	-1,277.91	-1,409.87
Huron County, MI	Ozone	Maintenance	100	-	2.09	3.88	0.35
Imperial County, CA	Ozone	Moderate	50	-	21.18	39.24	3.53
Imperial Valley, CA	PM ₁₀	Serious	70	-	20.75	38.45	3.46
Indian Wells, CA	PM ₁₀	Maintenance	100	-	2.47	4.58	0.41
Indianapolis, IN	CO	Maintenance	100	-	0.06	0.11	0.01
Indianapolis, IN	Ozone	Maintenance	100	-	171.40	317.61	28.60
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	136.41	252.79	22.76
Jackson County, IN	Ozone	Maintenance	100	-	6.10	11.30	1.02
Jamestown, NY	Ozone	Former Subpart 1	50	-	11.93	22.10	1.99
Jefferson County, NY	Ozone	Moderate	50	-	9.71	17.99	1.62
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.46	0.86	0.08
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	16.20	30.02	2.70
Johnstown, PA	Ozone	Maintenance	100	-	5.93	10.98	0.99
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	6.53	12.10	1.09
Juneau, AK	PM ₁₀	Moderate	100	-	1.13	2.09	0.19
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	38.92	72.11	6.49
Kalispell, MT	PM ₁₀	Moderate	100	-	2.74	5.08	0.46
Kansas City, MO-KS	Ozone	Maintenance	100	-	139.22	259.17	16.81
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	12.47	23.10	2.08
Kent, WA	PM ₁₀	Maintenance	100	-	2.39	4.44	0.40
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	6.47	11.99	1.08
Kewaunee County, WI	Ozone	Maintenance	100	-	1.85	3.44	0.31
King County, WA	PM ₁₀	Maintenance	100	-	0.92	1.70	0.15
Klamath Falls, OR	CO	Maintenance	100	-	3.71	6.88	0.62
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	3.71	6.88	0.62
Knoxville, TN	Ozone	Former Subpart 1	50	-	108.14	200.40	18.05
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	81.54	151.10	13.61
La Porte County, IN	SO _x	Maintenance	100	-	2.44	4.51	0.41
LaGrande, OR	PM ₁₀	Maintenance	100	-	1.19	2.20	0.20
Lake County, IN	SO _x	Maintenance	100	-	21.18	39.43	2.52
Lake County, OH	SO _x	Maintenance	100	-	2.72	5.03	0.45
Lake County, OR	PM ₁₀	Maintenance	100	-	0.44	0.81	0.07
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	3.43	6.35	0.57
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	7.80	14.46	1.30
Lake Tahoe, NV	CO	Maintenance	100	-	1.57	2.91	0.26
Lamar, CO	PM ₁₀	Maintenance	100	-	0.67	1.24	0.11
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.09	0.17	0.02
Lancaster, PA	Ozone	Maintenance	100	-	36.81	68.36	5.31
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	36.81	68.36	5.31
Lane County, OR	PM ₁₀	Moderate	100	-	0.09	0.16	0.01
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	38.13	70.66	6.36
LaPorte, IN	Ozone	Maintenance	100	-	6.75	12.52	1.13
Las Vegas, NV	CO	Serious	100	-	147.07	272.53	24.54
Las Vegas, NV	Ozone	Former Subpart 1	50	-	148.59	275.36	24.80
Lauderdale County, AL	SO _x	Maintenance	100	-	6.36	11.79	1.06
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.13	0.24	0.02
Libby, MT	PM ₁₀	Moderate	100	-	0.30	0.55	0.05

Table B1-8
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Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.40	0.74	0.07
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.79	1.47	0.08
Lima, OH	Ozone	Maintenance	100	-	-709.57	-1,111.56	-1,223.61
Longmont, CO	CO	Maintenance	100	-	8.87	16.44	1.48
Lorain County, OH	SO _x	Maintenance	100	-	3.70	6.85	0.62
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	361.71	951.13	-1,466.13
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	361.71	951.13	-1,466.13
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	361.71	951.13	-1,466.13
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	361.72	951.15	-1,466.13
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	361.65	951.02	-1,466.14
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	62.43	115.69	10.42
Louisville, KY-IN	Ozone	Maintenance	100	-	86.65	160.57	14.46
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	82.39	152.67	13.75
Lowell, MA	CO	Maintenance	100	-	10.03	18.58	1.67
Lucas County, OH	SO _x	Maintenance	100	-	21.13	39.16	3.53
Lyons Township, IL	PM ₁₀	Maintenance	100	-	4.41	8.17	0.71
Macon, GA	Ozone	Maintenance	100	-	14.49	26.85	2.42
Macon, GA	PM _{2.5}	Nonattainment	100	-	14.30	26.50	2.39
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.20	0.37	0.03
Madison, WI	SO _x	Maintenance	100	-	23.25	43.09	3.88
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	1.22	2.25	0.20
Manchester, NH	CO	Maintenance	100	-	5.17	9.58	0.86
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	7.54	13.98	1.26
Marion County, IN	SO _x	Maintenance	100	-	22.62	41.91	3.77
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	11.82	21.91	1.97
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	25.73	47.67	4.29
Mason County, MI	Ozone	Maintenance	100	-	2.18	4.03	0.36
Medford, OR	CO	Maintenance	100	-	7.63	14.13	1.27
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	18.40	34.10	3.07
Memphis, TN-AR	Ozone	Maintenance	100	-	-123.01	-172.57	-321.47
Memphis, TN	CO	Maintenance	100	-	-128.25	-182.28	-322.34
Miami (Gila County), AZ	SO _x	Maintenance	100	-	2.79	5.17	0.47
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.33	0.61	0.03
Milwaukee, WI	SO _x	Maintenance	100	-	39.13	72.52	6.53
Milwaukee-Racine, WI	Ozone	Moderate	50	-	145.98	270.52	24.36
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-430.60	-606.31	-1,113.41
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	234.66	435.95	33.13
Missoula, MT	CO	Maintenance	100	-	3.46	6.90	-2.07
Missoula, MT	PM ₁₀	Moderate	100	-	3.35	6.67	-2.00
Modesto, CA	CO	Maintenance	100	-	30.90	57.27	5.16
Mohave County, AZ	PM ₁₀	Maintenance	100	-	10.70	19.82	1.78
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.15	0.28	0.03
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.25	0.45	0.04
Morristown, NJ	CO	Maintenance	100	-	3.28	6.07	0.55
Muhlenberg County, KY	SO _x	Maintenance	100	-	2.06	3.83	0.34
Muncie, IN	Ozone	Maintenance	100	-	7.50	13.90	1.25
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.47	0.87	0.08
Muscatine County, IA	SO _x	Maintenance	100	-	1.27	2.35	0.21
Muskegon, MI	Ozone	Maintenance	100	-	10.45	19.39	1.62
Nashua, NH	CO	Maintenance	100	-	4.22	7.82	0.70

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Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Nashville, TN	Ozone	Former Subpart 1	50	-	141.43	262.43	21.65
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	16.27	30.15	2.71
New Haven County, CT	PM ₁₀	Maintenance	100	-	13.21	24.48	2.20
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	59.08	109.48	9.86
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.44	0.81	0.07
New York County, NY	PM ₁₀	Moderate	100	-	31.82	58.96	5.31
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	214.27	508.04	-567.41
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	624.51	1,316.58	-761.67
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	613.55	1,296.28	-763.49
Nogales, AZ	PM ₁₀	Moderate	100	-	3.49	6.47	0.58
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-321.40	-469.41	-739.43
Ogden, UT	CO	Maintenance	100	-	5.32	9.87	0.89
Ogden, UT	PM ₁₀	Moderate	100	-	5.33	9.87	0.89
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.14	0.25	0.02
Olmsted County, MN	PM ₁₀	Maintenance	100	-	1.41	2.61	0.23
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	9.99	18.50	1.67
Owens Valley, CA	PM ₁₀	Serious	70	-	0.47	0.88	0.08
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.02	0.03	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	10.75	19.91	1.79
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	10.82	20.05	1.78
Payson, AZ	PM ₁₀	Maintenance	100	-	1.74	3.23	0.29
Penns Grove, NJ	CO	Maintenance	100	-	0.04	0.07	0.01
Peoria, IL	SO _x	Maintenance	100	-	6.29	11.93	-0.42
Perth Amboy, NJ	CO	Maintenance	100	-	-160.13	-249.08	-285.80
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	26.50	49.10	4.41
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-1,101.58	-1,631.62	-2,410.73
Philidelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-936.02	-1,324.25	-2,386.12
Phoenix, AZ	CO	Maintenance	100	-	523.05	969.72	84.74
Phoenix, AZ	PM ₁₀	Serious	70	-	536.37	994.42	86.94
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	537.68	996.84	87.15
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.73	1.35	0.12
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.07	0.13	0.01
Pittsburgh, PA	CO	Maintenance	100	-	2.49	4.64	0.26
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	147.26	273.55	21.01
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	134.26	249.44	18.84
Polk County, TN	SO _x	Maintenance	100	-	1.61	2.98	0.27
Polson, MT	PM ₁₀	Moderate	100	-	0.29	0.55	0.05
Portland, ME	Ozone	Maintenance	100	-	41.96	78.67	1.99
Portland, OR	CO	Maintenance	100	-	88.79	165.27	10.90
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	3.29	6.10	0.55
Poughkeepsie, NY	Ozone	Moderate	50	-	128.43	238.00	21.43
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.64	1.18	0.11
Providence (entire State), RI	Ozone	Moderate	50	-	78.22	146.15	6.49
Provo, UT	CO	Maintenance	100	-	15.35	28.44	2.56
Raleigh-Durham, NC	CO	Maintenance	100	-	118.21	219.24	18.68

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Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	160.50	297.61	25.74
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.11	0.21	-0.00
Reading, PA	Ozone	Maintenance	100	-	26.14	48.45	4.36
Reading, PA	PM _{2.5}	Nonattainment	100	-	26.14	48.45	4.36
Reno, NV	CO	Maintenance	100	-	19.73	36.57	3.29
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.12	0.22	0.02
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	95.11	176.95	12.11
Rillito, AZ	PM ₁₀	Moderate	100	-	4.91	9.10	0.82
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	67.30	124.71	11.23
Roanoke, VA	Ozone	Former Subpart 1	50	-	19.67	36.45	3.28
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	6.81	12.62	1.14
Rochester, NY	Ozone	Former Subpart 1	50	-	105.47	195.44	17.60
Rocky Mount, NC	Ozone	Maintenance	100	-	13.80	25.58	2.30
Rome, GA	PM _{2.5}	Nonattainment	100	-	9.29	17.21	1.55
Ronan, MT	PM ₁₀	Moderate	100	-	0.11	0.20	0.02
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.18	0.34	0.03
Sacramento County, CA	PM ₁₀	Moderate	100	-	151.38	280.52	25.26
Sacramento Metro, CA	Ozone	Severe	25	-	278.55	516.84	42.89
Sacramento, CA	CO	Maintenance	100	-	170.10	315.29	27.97
Salem, OR	CO	Maintenance	100	-	10.05	18.61	1.68
Salt Lake City, UT	CO	Maintenance	100	-	-62.36	-92.74	-134.45
Salt Lake County, UT	PM ₁₀	Moderate	100	-	6.43	34.74	-122.97
Salt Lake County, UT	SO _x	Nonattainment	100	-	86.98	161.18	14.52
San Antonio, TX	Ozone	Former Subpart 1	50	-	156.02	290.55	18.24
San Bernardino County, CA	PM ₁₀	Moderate	100	-	37.94	70.30	6.33
San Diego, CA	CO	Maintenance	100	-	404.26	749.39	66.02
San Diego, CA	Ozone	Former Subpart 1	50	-	405.05	750.86	66.15
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-1,479.22	-2,157.09	-3,421.22
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-1,408.41	-2,025.87	-3,409.41
San Joaquin Valley, CA	Ozone	Extreme	10	-	410.03	771.99	2.25
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	411.02	773.83	2.41
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	410.03	771.99	2.25
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	3.19	5.92	0.53
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.05	0.10	0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	52.74	97.73	8.80
Seattle-Tacoma, WA	CO	Maintenance	100	-	261.93	485.38	43.71
Sheboygan, WI	Ozone	Moderate	50	-	10.00	18.53	1.67
Sheridan, WY	PM ₁₀	Moderate	100	-	1.66	3.08	0.28
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	1.48	2.74	0.25
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	34.41	64.13	3.81
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	9.50	17.61	1.54
Spokane County, WA	PM ₁₀	Maintenance	100	-	25.80	47.80	4.30
Spokane, WA	CO	Maintenance	100	-	25.49	47.24	4.25
Springfield (western MA), MA	Ozone	Moderate	50	-	68.65	127.71	8.79
Springfield, MA	CO	Maintenance	100	-	11.62	21.75	0.78
St Louis, MO	CO	Maintenance	100	-	58.29	108.01	9.73
St Louis, MO-IL	Ozone	Moderate	50	-	-942.07	-1,416.70	-1,945.59

Table B1-8
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Nitrogen Oxide (NO_x) 2060

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-943.53	-1,419.40	-1,945.84
State College, PA	Ozone	Maintenance	100	-	15.05	27.88	2.51
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	1.97	3.66	0.33
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	2.87	5.32	0.48
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-35.81	-54.39	-71.02
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-35.81	-54.39	-71.02
Stockton, CA	CO	Maintenance	100	-	48.01	88.97	8.01
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	38.21	70.81	6.38
Telluride, CO	PM ₁₀	Maintenance	100	-	0.19	0.35	0.03
Terre Haute, IN	Ozone	Maintenance	100	-	8.72	16.16	1.46
Tioga County, PA	Ozone	Maintenance	100	-	3.97	7.35	0.66
Toledo, OH	Ozone	Maintenance	100	-	-651.88	-1,011.80	-1,175.06
Toms River, NJ	CO	Maintenance	100	-	9.59	17.78	1.60
Tooele County, UT	SO _x	Nonattainment	100	-	8.55	15.85	1.43
Trenton, NJ	CO	Maintenance	100	-	7.31	13.54	1.22
Trona, CA	PM ₁₀	Moderate	100	-	0.32	0.59	0.05
Tucson, AZ	CO	Maintenance	100	-	89.72	166.26	14.97
Utah County, UT	PM ₁₀	Moderate	100	-	43.80	81.16	7.31
Vancouver, WA	CO	Maintenance	100	-	29.87	55.36	4.99
Ventura County, CA	Ozone	Serious	50	-	81.02	150.69	10.51
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.49	0.91	0.08
Vigo County, IN	SO _x	Maintenance	100	-	8.72	16.16	1.46
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	4.41	8.18	0.74
Warren County, NJ	SO _x	Maintenance	100	-	2.96	5.48	0.49
Warren County, PA	SO _x	Nonattainment	100	-	0.47	1.01	-0.65
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	16.49	30.56	2.75
Washington, DC-MD-VA	CO	Maintenance	100	-	133.74	247.83	22.32
Washington, DC-MD-VA	Ozone	Moderate	50	-	479.24	888.08	79.98
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	468.14	867.50	78.12
Washoe County, NV	PM ₁₀	Serious	70	-	19.73	36.57	3.29
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.30	0.57	0.05
Wayne County, IN	SO _x	Maintenance	100	-	4.66	8.64	0.78
Wayne County, MI	PM ₁₀	Maintenance	100	-	-179.58	-279.08	-321.79
Weirton, WV	PM ₁₀	Maintenance	100	-	0.48	0.90	0.08
Weirton, WV	SO _x	Maintenance	100	-	0.68	1.27	0.11
Wheeling, WV-OH	Ozone	Maintenance	100	-	9.74	18.06	1.63
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	9.74	18.06	1.63
Winston-Salem, NC	CO	Maintenance	100	-	33.58	62.23	5.60
Worcester, MA	CO	Maintenance	100	-	19.98	37.03	3.33
Yakima County, WA	PM ₁₀	Maintenance	100	-	7.71	14.29	1.29
Yakima, WA	CO	Maintenance	100	-	3.81	7.05	0.64

Table B1-8
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Nitrogen Oxide (NO_x) 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
York, PA	Ozone	Maintenance	100	-	37.97	70.37	6.34
York, PA	PM _{2.5}	Nonattainment	100	-	29.37	54.43	4.90
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	43.78	81.12	7.31
Yuma, AZ	PM ₁₀	Moderate	100	-	17.45	32.33	2.91

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

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

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

Source: EPA, 2008.

Table B1-9
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Particulate Matter 2.5 (PM_{2.5}) 2021

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.32	0.36	-0.18
Albuquerque, NM	CO	Maintenance	100	-	0.15	0.17	-0.08
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.04	0.04	-0.02
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.15	0.17	-0.09
Altoona, PA	Ozone	Maintenance	100	-	0.03	0.03	-0.02
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.04	0.04	-0.02
Anchorage, AK	CO	Maintenance	100	-	0.03	0.04	-0.02
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Atlanta, GA	Ozone	Moderate	50	-	1.63	1.87	-0.94
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	1.63	1.87	-0.95
Atlantic City, NJ	CO	Maintenance	100	-	0.01	0.01	-0.01
Bakersfield, CA	CO	Maintenance	100	-	-0.10	-0.16	-0.60
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	-0.00
Baltimore, MD	Ozone	Moderate	50	-	0.73	0.84	-0.42
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.73	0.84	-0.42
Baton Rouge, LA	Ozone	Moderate	50	-	-12.08	-16.68	-31.90
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-38.93	-53.66	-101.32
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.05	0.05	-0.03
Benzie County, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.00
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.04	0.04	-0.02
Billings, MT	CO	Maintenance	100	-	-6.47	-8.92	-16.84
Birmingham, AL	Ozone	Maintenance	100	-	-0.33	-0.51	-1.65
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-0.32	-0.51	-1.65
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.08	0.09	-0.05
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.08	0.09	-0.05
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Boston, MA	CO	Maintenance	100	-	0.21	0.24	-0.12
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	1.26	1.45	-0.73
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.16	0.18	-0.09
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.29	0.33	-0.17
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.00
Canton-Massillon, OH	Ozone	Maintenance	100	-	-0.97	-1.35	-2.75
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-0.97	-1.35	-2.75
Case County, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.01
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Charleston, WV	Ozone	Maintenance	100	-	0.07	0.08	-0.04
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.07	0.08	-0.04
Charlotte, NC	CO	Maintenance	100	-	0.18	0.20	-0.10
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.40	0.46	-0.23

Table B1-9
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Particulate Matter 2.5 (PM_{2.5}) 2021

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.14	0.15	-0.08
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.12	0.14	-0.07
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-16.43	-23.04	-48.13
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-16.37	-22.97	-48.17
Chico, CA	CO	Maintenance	100	-	0.03	0.03	-0.01
Chico, CA	Ozone	Former Subpart 1	50	-	0.06	0.07	-0.03
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.49	0.56	-0.28
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.47	0.54	-0.27
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.36	0.41	-0.21
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.06	0.07	-0.04
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.04	0.05	-0.03
Cleveland, OH	CO	Maintenance	100	-	0.24	0.27	-0.14
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.64	0.74	-0.37
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.59	0.68	-0.34
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.15	0.17	-0.09
Colbert County, AL	SO _x	Maintenance	100	-	0.02	0.02	-0.01
Colorado Springs, CO	CO	Maintenance	100	-	0.14	0.16	-0.08
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.16	0.18	-0.09
Columbus, OH	Ozone	Maintenance	100	-	0.41	0.47	-0.24
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.38	0.43	-0.22
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.24	0.27	-0.14
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.19	0.22	-0.11
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	1.68	1.93	-0.97
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.21	0.24	-0.12
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.19	0.21	-0.11
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-7.23	-10.13	-21.06
Denver-Boulder, CO	CO	Maintenance	100	-	-7.26	-10.17	-21.04
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-7.08	-9.96	-21.14
Detroit, MI	CO	Maintenance	100	-	-5.76	-8.03	-16.23
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-6.88	-9.74	-21.48
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-6.90	-9.76	-21.47
Door County, WI	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.01
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.01
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.01	0.01	-0.00
Duluth, MN	CO	Maintenance	100	-	0.02	0.02	-0.01
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	-14.32	-19.73	-37.30
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	-4.23	-5.85	-11.35
El Paso, TX	CO	Maintenance	100	-	0.01	0.01	-0.00
Erie, PA	Ozone	Maintenance	100	-	0.06	0.07	-0.03
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00

Table B1-9
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Particulate Matter 2.5 (PM_{2.5}) 2021

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Eugene-Springfield, OR	CO	Maintenance	100	-	0.06	0.06	-0.03
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.05	0.06	-0.03
Evansville, IN	Ozone	Maintenance	100	-	0.06	0.07	-0.04
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.08	0.09	-0.05
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	-0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.07	0.08	-0.04
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Flint, MI	Ozone	Maintenance	100	-	0.13	0.15	-0.08
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	0.04	0.05	-0.02
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.09	0.10	-0.05
Franklin County, PA	Ozone	Maintenance	100	-	0.04	0.04	-0.02
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.03	0.04	-0.02
Fredericksburg, VA	Ozone	Maintenance	100	-	0.10	0.11	-0.06
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Fresno, CA	CO	Maintenance	100	-	0.14	0.16	-0.08
Grand Rapids, MI	Ozone	Maintenance	100	-	0.20	0.23	-0.11
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.01
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.00
Great Falls, MT	CO	Maintenance	100	-	0.01	0.01	-0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	0.41	0.47	-0.24
Greeley, CO	CO	Maintenance	100	-	0.03	0.03	-0.02
Green Bay, WI	SO _x	Maintenance	100	-	0.03	0.03	-0.02
Greene County, IN	Ozone	Maintenance	100	-	0.01	0.01	-0.01
Greene County, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.01
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.40	0.46	-0.23
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.20	0.23	-0.12
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.22	0.26	-0.13
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.01	0.01	-0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.03	0.03	-0.02
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.21	0.24	-0.12
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.19	0.22	-0.11
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.27	0.31	-0.15
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.01
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.01	0.01	-0.01
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.04	0.05	-0.03
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.07	0.08	-0.04
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-58.22	-80.52	-155.40
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-7.79	-10.75	-20.44
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-7.82	-10.78	-20.42
Huron County, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.00

Table B1-9
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Particulate Matter 2.5 (PM_{2.5}) 2021

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Imperial County, CA	Ozone	Moderate	50	-	0.05	0.06	-0.03
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.05	0.06	-0.03
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.00
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.49	0.56	-0.28
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.39	0.45	-0.23
Jackson County, IN	Ozone	Maintenance	100	-	0.02	0.02	-0.01
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.04	0.04	-0.02
Jefferson County, NY	Ozone	Moderate	50	-	0.03	0.04	-0.02
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.05	0.06	-0.03
Johnstown, PA	Ozone	Maintenance	100	-	0.03	0.03	-0.02
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.03	-0.02
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.13	0.14	-0.07
Kalispell, MT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.00
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.41	0.47	-0.24
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.03	0.04	-0.02
Kent, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.00
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.02	0.02	-0.01
Kewaunee County, WI	Ozone	Maintenance	100	-	0.01	0.01	-0.00
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.01	0.01	-0.01
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.01
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.29	0.33	-0.17
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.22	0.26	-0.13
La Porte County, IN	SO _x	Maintenance	100	-	0.01	0.01	-0.01
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lake County, IN	SO _x	Maintenance	100	-	0.08	0.09	-0.04
Lake County, OH	SO _x	Maintenance	100	-	0.01	0.01	-0.01
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.01	0.01	-0.00
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.01	0.02	-0.01
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.01	-0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.11	0.13	-0.06
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.11	0.13	-0.06
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.12	0.14	-0.07
LaPorte, IN	Ozone	Maintenance	100	-	0.02	0.03	-0.01
Las Vegas, NV	CO	Serious	100	-	0.36	0.41	-0.21
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.36	0.42	-0.21
Lauderdale County, AL	SO _x	Maintenance	100	-	0.02	0.03	-0.01
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Lima, OH	Ozone	Maintenance	100	-	-9.96	-13.72	-25.91

Table B1-9
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Particulate Matter 2.5 (PM_{2.5}) 2021

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Longmont, CO	CO	Maintenance	100	-	0.02	0.03	-0.01
Lorain County, OH	SO _x	Maintenance	100	-	0.01	0.01	-0.01
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-24.58	-34.71	-75.53
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	-24.58	-34.71	-75.53
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-24.58	-34.71	-75.53
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-24.58	-34.71	-75.53
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-24.58	-34.71	-75.53
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.17	0.19	-0.10
Louisville, KY-IN	Ozone	Maintenance	100	-	0.28	0.32	-0.16
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.27	0.31	-0.16
Lowell, MA	CO	Maintenance	100	-	0.03	0.03	-0.02
Lucas County, OH	SO _x	Maintenance	100	-	0.08	0.09	-0.04
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.02
Macon, GA	Ozone	Maintenance	100	-	0.05	0.06	-0.03
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.05	0.06	-0.03
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Madison, WI	SO _x	Maintenance	100	-	0.06	0.07	-0.03
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Manchester, NH	CO	Maintenance	100	-	0.02	0.02	-0.01
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.03	0.03	-0.01
Marion County, IN	SO _x	Maintenance	100	-	0.08	0.09	-0.05
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.03	0.03	-0.02
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.08	0.09	-0.05
Mason County, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.00
Medford, OR	CO	Maintenance	100	-	0.02	0.02	-0.01
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.04	0.05	-0.03
Memphis, TN-AR	Ozone	Maintenance	100	-	-2.83	-3.95	-8.13
Memphis, TN	CO	Maintenance	100	-	-2.85	-3.98	-8.12
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.01	0.01	-0.00
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.13	0.15	-0.08
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.44	0.50	-0.25
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.71	0.81	-0.41
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.69	0.79	-0.40
Missoula, MT	CO	Maintenance	100	-	0.02	0.02	-0.01
Missoula, MT	PM ₁₀	Moderate	100	-	0.01	0.02	-0.01
Modesto, CA	CO	Maintenance	100	-	0.07	0.08	-0.04
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.02	0.03	-0.01
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Morristown, NJ	CO	Maintenance	100	-	0.01	0.01	-0.00
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.01	0.01	-0.00
Muncie, IN	Ozone	Maintenance	100	-	0.03	0.03	-0.02
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.03	0.04	-0.02
Nashua, NH	CO	Maintenance	100	-	0.02	0.02	-0.01
Nashville, TN	Ozone	Former Subpart 1	50	-	0.40	0.46	-0.23

Table B1-9
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Particulate Matter 2.5 (PM_{2.5}) 2021

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.03	0.04	-0.02
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.03	0.04	-0.02
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.20	0.23	-0.11
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.12	0.13	-0.07
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-1.27	-2.19	-9.47
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-0.75	-1.88	-13.62
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-0.78	-1.91	-13.60
Nogales, AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.01
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-10.74	-14.88	-29.09
Ogden, UT	CO	Maintenance	100	-	0.02	0.02	-0.01
Ogden, UT	PM ₁₀	Moderate	100	-	0.02	0.02	-0.01
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.03	0.03	-0.01
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.04	0.04	-0.02
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.04	0.04	-0.02
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.00
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.02	0.03	-0.02
Perth Amboy, NJ	CO	Maintenance	100	-	-1.17	-1.62	-3.10
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.10	0.11	-0.06
Philadelaphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-16.14	-22.49	-45.38
Philidelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-15.67	-21.97	-45.80
Phoenix, AZ	CO	Maintenance	100	-	1.08	1.23	-0.65
Phoenix, AZ	PM ₁₀	Serious	70	-	1.11	1.27	-0.67
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	1.11	1.28	-0.67
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.01	0.01	-0.00
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.50	0.57	-0.30
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.45	0.52	-0.28
Polk County, TN	SO _x	Maintenance	100	-	0.01	0.01	-0.00
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Portland, ME	Ozone	Maintenance	100	-	0.14	0.16	-0.08
Portland, OR	CO	Maintenance	100	-	0.22	0.24	-0.33
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.01
Poughkeepsie, NY	Ozone	Moderate	50	-	0.33	0.38	-0.19
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.24	0.28	-0.14
Provo, UT	CO	Maintenance	100	-	0.04	0.04	-0.02
Raleigh-Durham, NC	CO	Maintenance	100	-	0.31	0.36	-0.18
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.43	0.49	-0.25
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00

Table B1-9
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Particulate Matter 2.5 (PM_{2.5}) 2021

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Reading, PA	Ozone	Maintenance	100	-	0.08	0.09	-0.05
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.08	0.09	-0.05
Reno, NV	CO	Maintenance	100	-	0.06	0.07	-0.03
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.29	0.32	-0.22
Rillito, AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.01
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.15	0.17	-0.09
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.07	0.08	-0.04
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.02	0.02	-0.01
Rochester, NY	Ozone	Former Subpart 1	50	-	0.33	0.38	-0.19
Rocky Mount, NC	Ozone	Maintenance	100	-	0.05	0.05	-0.03
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.03	0.03	-0.02
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.35	0.40	-0.20
Sacramento Metro, CA	Ozone	Severe	25	-	0.63	0.72	-0.36
Sacramento, CA	CO	Maintenance	100	-	0.39	0.45	-0.23
Salem, OR	CO	Maintenance	100	-	0.03	0.04	-0.02
Salt Lake City, UT	CO	Maintenance	100	-	-2.73	-3.77	-7.24
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-2.53	-3.54	-7.36
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.25	0.29	-0.15
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.45	0.52	-0.26
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.10	0.12	-0.06
San Diego, CA	CO	Maintenance	100	-	0.99	1.13	-0.57
San Diego, CA	Ozone	Former Subpart 1	50	-	0.99	1.14	-0.57
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-21.44	-29.89	-60.53
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-21.23	-29.65	-60.65
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.87	0.95	-1.16
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.87	0.95	-1.17
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.87	0.95	-1.16
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.01	0.01	-0.00
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.17	0.19	-0.10
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.73	0.83	-0.42
Sheboygan, WI	Ozone	Moderate	50	-	0.03	0.03	-0.02
Sheridan, WY	PM ₁₀	Moderate	100	-	0.01	0.01	-0.00
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.11	0.13	-0.07
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.04	0.04	-0.05
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.07	0.08	-0.04
Spokane, WA	CO	Maintenance	100	-	0.07	0.08	-0.04
Springfield (western MA), MA	Ozone	Moderate	50	-	0.22	0.25	-0.13
Springfield, MA	CO	Maintenance	100	-	0.04	0.04	-0.02
St Louis, MO	CO	Maintenance	100	-	0.24	0.27	-0.14
St Louis, MO-IL	Ozone	Moderate	50	-	-43.96	-60.73	-116.40
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-43.96	-60.74	-116.40
State College, PA	Ozone	Maintenance	100	-	0.04	0.05	-0.02

Table B1-9
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Particulate Matter 2.5 (PM_{2.5}) 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.01	0.01	-0.01
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.05	-0.08	-0.22
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.05	-0.08	-0.22
Stockton, CA	CO	Maintenance	100	-	0.11	0.13	-0.06
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.13	0.15	-0.07
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.03	0.04	-0.02
Tioga County, PA	Ozone	Maintenance	100	-	0.01	0.02	-0.01
Toledo, OH	Ozone	Maintenance	100	-	-10.26	-14.16	-27.05
Toms River, NJ	CO	Maintenance	100	-	0.02	0.03	-0.01
Tooele County, UT	SO _x	Nonattainment	100	-	0.02	0.03	-0.01
Trenton, NJ	CO	Maintenance	100	-	0.02	0.03	-0.01
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Tucson, AZ	CO	Maintenance	100	-	0.24	0.28	-0.14
Utah County, UT	PM ₁₀	Moderate	100	-	0.12	0.13	-0.07
Vancouver, WA	CO	Maintenance	100	-	0.07	0.08	-0.04
Ventura County, CA	Ozone	Serious	50	-	0.19	0.21	-0.15
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.03	0.04	-0.02
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.01	0.02	-0.01
Warren County, NJ	SO _x	Maintenance	100	-	0.01	0.01	-0.01
Warren County, PA	SO _x	Nonattainment	100	-	-0.00	-0.01	-0.02
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.05	0.06	-0.03
Washington, DC-MD-VA	CO	Maintenance	100	-	0.39	0.44	-0.22
Washington, DC-MD-VA	Ozone	Moderate	50	-	1.31	1.50	-0.76
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	1.28	1.47	-0.74
Washoe County, NV	PM ₁₀	Serious	70	-	0.06	0.07	-0.03
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.02	0.02	-0.01
Wayne County, MI	PM ₁₀	Maintenance	100	-	-4.71	-6.49	-12.26
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.04	0.04	-0.02
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.04	0.04	-0.02
Winston-Salem, NC	CO	Maintenance	100	-	0.10	0.12	-0.06
Worcester, MA	CO	Maintenance	100	-	0.05	0.06	-0.03
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.02	0.03	-0.01
Yakima, WA	CO	Maintenance	100	-	0.01	0.01	-0.01
York, PA	Ozone	Maintenance	100	-	0.11	0.12	-0.06
York, PA	PM _{2.5}	Nonattainment	100	-	0.08	0.10	-0.05
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.16	0.19	-0.09
Yuma, AZ	PM ₁₀	Moderate	100	-	0.04	0.05	-0.03

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

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

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

Source: EPA, 2008.

Table B1-10
Emission Changes μ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.85	0.58	-2.80
Albuquerque, NM	CO	Maintenance	100	-	0.39	0.27	-1.29
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.10	0.07	-0.32
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.39	0.27	-1.30
Altoona, PA	Ozone	Maintenance	100	-	0.07	0.05	-0.22
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.11	0.08	-0.36
Anchorage, AK	CO	Maintenance	100	-	0.09	0.06	-0.31
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.01
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Atlanta, GA	Ozone	Moderate	50	-	4.46	3.06	-14.69
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	4.46	3.06	-14.70
Atlantic City, NJ	CO	Maintenance	100	-	0.03	0.02	-0.11
Bakersfield, CA	CO	Maintenance	100	-	-0.21	-0.54	-1.94
Baltimore, MD	CO	Maintenance	100	-	0.01	0.00	-0.02
Baltimore, MD	Ozone	Moderate	50	-	1.99	1.37	-6.56
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	1.99	1.37	-6.56
Baton Rouge, LA	Ozone	Moderate	50	-	-29.36	-43.78	-58.89
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-94.76	-140.29	-183.45
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.12	0.08	-0.39
Benzie County, MI	Ozone	Maintenance	100	-	0.02	0.01	-0.05
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.10	0.07	-0.32
Billings, MT	CO	Maintenance	100	-	-15.74	-23.31	-30.50
Birmingham, AL	Ozone	Maintenance	100	-	-0.73	-1.62	-4.93
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-0.73	-1.62	-4.94
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.22	0.15	-0.71
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.22	0.15	-0.71
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.01	0.01	-0.04
Boston, MA	CO	Maintenance	100	-	0.57	0.39	-1.87
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	3.40	2.33	-11.20
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.43	0.30	-1.43
Boyd County (part), KY	SO _x	Maintenance	100	-	0.01	0.00	-0.02
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.77	0.53	-2.53
Burlington, NJ	CO	Maintenance	100	-	0.01	0.00	-0.02
Butte, MT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.05
Canon City, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.04
Canton-Massillon, OH	Ozone	Maintenance	100	-	-2.34	-3.62	-5.52
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-2.34	-3.62	-5.52
Case County, MI	Ozone	Maintenance	100	-	0.03	0.02	-0.10
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Charleston, WV	Ozone	Maintenance	100	-	0.18	0.13	-0.61

Table B1-10
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.18	0.13	-0.61
Charlotte, NC	CO	Maintenance	100	-	0.49	0.34	-1.62
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	1.10	0.75	-3.61
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.36	0.25	-1.20
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.33	0.22	-1.09
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-39.52	-62.15	-100.46
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-39.36	-62.04	-100.99
Chico, CA	CO	Maintenance	100	-	0.07	0.05	-0.24
Chico, CA	Ozone	Former Subpart 1	50	-	0.17	0.11	-0.55
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	1.31	0.90	-4.32
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	1.27	0.87	-4.20
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.03
Clark County, NV	PM ₁₀	Serious	70	-	1.00	0.69	-3.30
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.17	0.12	-0.57
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.12	0.08	-0.39
Cleveland, OH	CO	Maintenance	100	-	0.62	0.43	-2.05
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	1.71	1.18	-5.64
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	1.58	1.08	-5.20
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.43	0.29	-1.40
Colbert County, AL	SO _x	Maintenance	100	-	0.04	0.03	-0.13
Colorado Springs, CO	CO	Maintenance	100	-	0.39	0.27	-1.30
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Columbia, SC	Ozone	Former Subpart 1	50	-	0.43	0.30	-1.43
Columbus, OH	Ozone	Maintenance	100	-	1.12	0.77	-3.69
Columbus, OH	PM _{2.5}	Nonattainment	100	-	1.04	0.71	-3.42
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.62	0.43	-2.05
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.51	0.35	-1.68
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	4.64	3.19	-15.30
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.56	0.38	-1.83
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.49	0.34	-1.62
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-17.38	-27.26	-43.76
Denver-Boulder, CO	CO	Maintenance	100	-	-17.46	-27.32	-43.47
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-16.97	-26.98	-45.10
Detroit, MI	CO	Maintenance	100	-	-13.91	-21.40	-32.24
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-16.46	-26.76	-47.68
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-16.51	-26.80	-47.49
Door County, WI	Ozone	Former Subpart 1	50	-	0.02	0.02	-0.08
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.02	0.02	-0.08
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.02	0.01	-0.06
Duluth, MN	CO	Maintenance	100	-	0.05	0.04	-0.18
Eagle River, AK	PM ₁₀	Moderate	100	-	0.01	0.00	-0.02
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	-34.84	-51.61	-67.66
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	-10.26	-15.43	-21.41
El Paso, TX	CO	Maintenance	100	-	0.02	0.01	-0.07

Table B1-10
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Erie, PA	Ozone	Maintenance	100	-	0.15	0.10	-0.50
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.15	0.11	-0.50
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.15	0.10	-0.48
Evansville, IN	Ozone	Maintenance	100	-	0.17	0.12	-0.56
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.22	0.15	-0.71
Fairbanks, AK	CO	Maintenance	100	-	0.01	0.01	-0.04
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.20	0.13	-0.65
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Flint, MI	Ozone	Maintenance	100	-	0.35	0.24	-1.14
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	0.12	0.08	-0.39
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.24	0.17	-0.80
Franklin County, PA	Ozone	Maintenance	100	-	0.10	0.07	-0.33
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.09	0.06	-0.29
Fredericksburg, VA	Ozone	Maintenance	100	-	0.28	0.19	-0.91
Freehold, NJ	CO	Maintenance	100	-	0.01	0.01	-0.04
Fresno, CA	CO	Maintenance	100	-	0.39	0.27	-1.30
Grand Rapids, MI	Ozone	Maintenance	100	-	0.54	0.37	-1.78
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.03	0.02	-0.09
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.07
Great Falls, MT	CO	Maintenance	100	-	0.01	0.01	-0.04
Greater Connecticut, CT	Ozone	Moderate	50	-	1.09	0.75	-3.60
Greeley, CO	CO	Maintenance	100	-	0.08	0.06	-0.27
Green Bay, WI	SO _x	Maintenance	100	-	0.08	0.06	-0.27
Greene County, IN	Ozone	Maintenance	100	-	0.03	0.02	-0.11
Greene County, PA	Ozone	Maintenance	100	-	0.03	0.02	-0.10
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	1.08	0.74	-3.56
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.53	0.37	-1.76
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.60	0.41	-1.97
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.01	0.01	-0.05
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.08	0.05	-0.25
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.57	0.39	-1.88
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.53	0.36	-1.73
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.71	0.49	-2.33
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.01	0.00	-0.02
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.03	0.02	-0.09
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.01
Hazelwood, PA	SO _x	Maintenance	100	-	0.03	0.02	-0.09
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.12	0.08	-0.39
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.19	0.13	-0.64
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-141.33	-211.89	-291.09
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.01

Table B1-10
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-18.94	-28.16	-37.44
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-19.03	-28.22	-37.14
Huron County, MI	Ozone	Maintenance	100	-	0.02	0.01	-0.06
Imperial County, CA	Ozone	Moderate	50	-	0.15	0.10	-0.48
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.14	0.10	-0.47
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.07
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	1.33	0.92	-4.39
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	1.06	0.73	-3.48
Jackson County, IN	Ozone	Maintenance	100	-	0.05	0.04	-0.17
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.10	0.07	-0.34
Jefferson County, NY	Ozone	Moderate	50	-	0.08	0.06	-0.27
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.02
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.14	0.10	-0.47
Johnstown, PA	Ozone	Maintenance	100	-	0.07	0.05	-0.22
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.07	0.05	-0.24
Juneau, AK	PM ₁₀	Moderate	100	-	0.01	0.00	-0.02
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.34	0.23	-1.11
Kalispell, MT	PM ₁₀	Moderate	100	-	0.02	0.01	-0.06
Kansas City, MO-KS	Ozone	Maintenance	100	-	1.11	0.76	-3.65
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.10	0.07	-0.31
Kent, WA	PM ₁₀	Maintenance	100	-	0.02	0.01	-0.05
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.06	0.04	-0.18
Kewaunee County, WI	Ozone	Maintenance	100	-	0.02	0.01	-0.05
King County, WA	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.02
Klamath Falls, OR	CO	Maintenance	100	-	0.03	0.02	-0.11
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.03	0.02	-0.11
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.79	0.54	-2.61
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.61	0.42	-2.02
La Porte County, IN	SO _x	Maintenance	100	-	0.02	0.02	-0.08
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.03
Lake County, IN	SO _x	Maintenance	100	-	0.20	0.14	-0.67
Lake County, OH	SO _x	Maintenance	100	-	0.02	0.02	-0.08
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.02	0.01	-0.06
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.04	0.03	-0.14
Lake Tahoe, NV	CO	Maintenance	100	-	0.01	0.01	-0.04
Lamar, CO	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.02
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.30	0.21	-0.99
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.30	0.21	-0.99
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.32	0.22	-1.04
LaPorte, IN	Ozone	Maintenance	100	-	0.06	0.04	-0.21
Las Vegas, NV	CO	Serious	100	-	1.00	0.69	-3.30
Las Vegas, NV	Ozone	Former Subpart 1	50	-	1.02	0.70	-3.35
Lauderdale County, AL	SO _x	Maintenance	100	-	0.06	0.04	-0.19
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01

Table B1-10
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.01
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.03
Lima, OH	Ozone	Maintenance	100	-	-24.23	-35.88	-46.93
Longmont, CO	CO	Maintenance	100	-	0.06	0.04	-0.20
Lorain County, OH	SO _x	Maintenance	100	-	0.03	0.02	-0.10
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-58.70	-94.81	-165.79
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	-58.70	-94.81	-165.79
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-58.70	-94.81	-165.79
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-58.70	-94.81	-165.79
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-58.70	-94.82	-165.79
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.46	0.32	-1.52
Louisville, KY-IN	Ozone	Maintenance	100	-	0.75	0.51	-2.47
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.73	0.50	-2.39
Lowell, MA	CO	Maintenance	100	-	0.08	0.05	-0.25
Lucas County, OH	SO _x	Maintenance	100	-	0.20	0.14	-0.65
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.03	0.02	-0.15
Macon, GA	Ozone	Maintenance	100	-	0.14	0.10	-0.46
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.14	0.09	-0.45
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	-0.01
Madison, WI	SO _x	Maintenance	100	-	0.16	0.11	-0.54
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.01	0.00	-0.02
Manchester, NH	CO	Maintenance	100	-	0.05	0.04	-0.17
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.07	0.05	-0.22
Marion County, IN	SO _x	Maintenance	100	-	0.21	0.14	-0.68
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.08	0.05	-0.25
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.21	0.15	-0.70
Mason County, MI	Ozone	Maintenance	100	-	0.02	0.01	-0.06
Medford, OR	CO	Maintenance	100	-	0.05	0.04	-0.17
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.12	0.09	-0.41
Memphis, TN-AR	Ozone	Maintenance	100	-	-6.83	-10.62	-16.59
Memphis, TN	CO	Maintenance	100	-	-6.88	-10.66	-16.41
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.02	0.01	-0.06
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Milwaukee, WI	SO _x	Maintenance	100	-	0.35	0.24	-1.16
Milwaukee-Racine, WI	Ozone	Moderate	50	-	1.18	0.81	-3.90
Minneapolis-St Paul, MN	CO	Maintenance	100	-	1.92	1.32	-6.32
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	1.86	1.28	-6.14
Missoula, MT	CO	Maintenance	100	-	0.04	0.03	-0.13
Missoula, MT	PM ₁₀	Moderate	100	-	0.04	0.03	-0.13
Modesto, CA	CO	Maintenance	100	-	0.21	0.14	-0.68
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.07	0.05	-0.23
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Morristown, NJ	CO	Maintenance	100	-	0.02	0.01	-0.07
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.02	0.01	-0.06
Muncie, IN	Ozone	Maintenance	100	-	0.08	0.05	-0.25
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	-0.01
Muscatine County, IA	SO _x	Maintenance	100	-	0.01	0.01	-0.03
Muskegon, MI	Ozone	Maintenance	100	-	0.09	0.06	-0.28
Nashua, NH	CO	Maintenance	100	-	0.04	0.03	-0.14

Table B1-10
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Nashville, TN	Ozone	Former Subpart 1	50	-	1.09	0.75	-3.59
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.09	0.06	-0.31
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.09	0.06	-0.30
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.52	0.36	-1.72
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	-0.01
New York County, NY	PM ₁₀	Moderate	100	-	0.30	0.21	-1.00
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-2.62	-7.99	-32.17
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-0.90	-9.15	-53.26
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-0.98	-9.21	-52.99
Nogales, AZ	PM ₁₀	Moderate	100	-	0.03	0.02	-0.09
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-26.04	-39.32	-55.49
Ogden, UT	CO	Maintenance	100	-	0.05	0.03	-0.15
Ogden, UT	PM ₁₀	Moderate	100	-	0.05	0.03	-0.15
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.05
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.07	0.05	-0.24
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.01
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.10	0.07	-0.32
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.10	0.07	-0.32
Payson, AZ	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.04
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.06	0.04	-0.22
Perth Amboy, NJ	CO	Maintenance	100	-	-2.85	-4.25	-5.75
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.26	0.18	-0.85
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-39.04	-60.04	-90.39
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-37.77	-59.26	-95.17
Phoenix, AZ	CO	Maintenance	100	-	3.12	2.12	-10.37
Phoenix, AZ	PM ₁₀	Serious	70	-	3.21	2.19	-10.68
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	3.22	2.20	-10.72
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.02
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.02	0.01	-0.05
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	1.32	0.90	-4.41
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	1.21	0.82	-4.03
Polk County, TN	SO _x	Maintenance	100	-	0.01	0.01	-0.05
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Portland, ME	Ozone	Maintenance	100	-	0.37	0.25	-1.23
Portland, OR	CO	Maintenance	100	-	0.61	0.30	-2.84
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.03	0.02	-0.10
Poughkeepsie, NY	Ozone	Moderate	50	-	0.91	0.62	-2.99
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.02
Providence (entire State), RI	Ozone	Moderate	50	-	0.65	0.45	-2.16
Provo, UT	CO	Maintenance	100	-	0.11	0.07	-0.36
Raleigh-Durham, NC	CO	Maintenance	100	-	0.87	0.60	-2.86

Table B1-10
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	1.18	0.81	-3.90
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Reading, PA	Ozone	Maintenance	100	-	0.22	0.15	-0.73
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.22	0.15	-0.73
Reno, NV	CO	Maintenance	100	-	0.16	0.11	-0.54
Rhinelander (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.77	0.50	-2.76
Rillito, AZ	PM ₁₀	Moderate	100	-	0.03	0.02	-0.11
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.43	0.29	-1.40
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.17	0.12	-0.57
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.05	0.04	-0.18
Rochester, NY	Ozone	Former Subpart 1	50	-	0.89	0.61	-2.93
Rocky Mount, NC	Ozone	Maintenance	100	-	0.12	0.08	-0.41
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.08	0.05	-0.26
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Sacramento County, CA	PM ₁₀	Moderate	100	-	1.00	0.68	-3.28
Sacramento Metro, CA	Ozone	Severe	25	-	1.79	1.23	-5.90
Sacramento, CA	CO	Maintenance	100	-	1.11	0.76	-3.66
Salem, OR	CO	Maintenance	100	-	0.09	0.06	-0.29
Salt Lake City, UT	CO	Maintenance	100	-	-6.63	-9.91	-13.47
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-6.08	-9.54	-15.26
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.68	0.47	-2.26
San Antonio, TX	Ozone	Former Subpart 1	50	-	1.24	0.85	-4.07
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.29	0.20	-0.94
San Diego, CA	CO	Maintenance	100	-	2.76	1.90	-9.11
San Diego, CA	Ozone	Former Subpart 1	50	-	2.77	1.90	-9.13
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-51.70	-79.80	-121.55
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-51.13	-79.41	-123.42
San Joaquin Valley, CA	Ozone	Extreme	10	-	2.52	1.33	-10.95
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	2.53	1.34	-10.99
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	2.52	1.33	-10.95
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.02	0.02	-0.07
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.44	0.31	-1.47
Seattle-Tacoma, WA	CO	Maintenance	100	-	1.99	1.36	-6.55
Sheboygan, WI	Ozone	Moderate	50	-	0.08	0.05	-0.26
Sheridan, WY	PM ₁₀	Moderate	100	-	0.01	0.01	-0.05
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.01	0.01	-0.04
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.30	0.21	-0.99
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.10	0.05	-0.42
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.20	0.14	-0.65
Spokane, WA	CO	Maintenance	100	-	0.20	0.13	-0.64
Springfield (western MA), MA	Ozone	Moderate	50	-	0.59	0.41	-1.96
Springfield, MA	CO	Maintenance	100	-	0.10	0.07	-0.32
St Louis, MO	CO	Maintenance	100	-	0.61	0.42	-2.01
St Louis, MO-IL	Ozone	Moderate	50	-	-106.86	-159.52	-215.58

Table B1-10
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-106.87	-159.53	-215.53
State College, PA	Ozone	Maintenance	100	-	0.11	0.08	-0.37
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.04
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.03	0.02	-0.09
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.13	-0.24	-0.57
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.13	-0.24	-0.57
Stockton, CA	CO	Maintenance	100	-	0.31	0.21	-1.02
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.34	0.23	-1.12
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.09	0.06	-0.29
Tioga County, PA	Ozone	Maintenance	100	-	0.04	0.03	-0.12
Toledo, OH	Ozone	Maintenance	100	-	-24.94	-37.16	-49.82
Toms River, NJ	CO	Maintenance	100	-	0.07	0.05	-0.22
Tooele County, UT	SO _x	Nonattainment	100	-	0.07	0.05	-0.22
Trenton, NJ	CO	Maintenance	100	-	0.06	0.04	-0.19
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Tucson, AZ	CO	Maintenance	100	-	0.66	0.45	-2.18
Utah County, UT	PM ₁₀	Moderate	100	-	0.32	0.22	-1.06
Vancouver, WA	CO	Maintenance	100	-	0.21	0.14	-0.68
Ventura County, CA	Ozone	Serious	50	-	0.53	0.34	-1.90
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Vigo County, IN	SO _x	Maintenance	100	-	0.09	0.06	-0.29
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.04	0.03	-0.12
Warren County, NJ	SO _x	Maintenance	100	-	0.02	0.02	-0.08
Warren County, PA	SO _x	Nonattainment	100	-	-0.01	-0.02	-0.07
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.14	0.10	-0.47
Washington, DC-MD-VA	CO	Maintenance	100	-	1.04	0.71	-3.43
Washington, DC-MD-VA	Ozone	Moderate	50	-	3.59	2.46	-11.83
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	3.51	2.41	-11.58
Washoe County, NV	PM ₁₀	Serious	70	-	0.16	0.11	-0.54
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Wayne County, IN	SO _x	Maintenance	100	-	0.05	0.03	-0.16
Wayne County, MI	PM ₁₀	Maintenance	100	-	-11.46	-16.98	-22.28
Weirton, WV	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.02
Weirton, WV	SO _x	Maintenance	100	-	0.01	0.01	-0.03
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.10	0.07	-0.33
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.10	0.07	-0.33
Winston-Salem, NC	CO	Maintenance	100	-	0.27	0.19	-0.90
Worcester, MA	CO	Maintenance	100	-	0.14	0.10	-0.48
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.06	0.04	-0.20
Yakima, WA	CO	Maintenance	100	-	0.03	0.02	-0.08

Table B1-10
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
York, PA	Ozone	Maintenance	100	-	0.30	0.20	-0.97
York, PA	PM _{2.5}	Nonattainment	100	-	0.23	0.16	-0.76
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.42	0.29	-1.40
Yuma, AZ	PM ₁₀	Moderate	100	-	0.12	0.08	-0.41

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

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

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

Source: EPA, 2008.

Table B1-11
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Particulate Matter 2.5 (PM_{2.5}) 2040

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.03
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.01	-0.00	-0.06
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.01	-0.00	-0.07
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	2.96	-0.88	-19.44
Albuquerque, NM	CO	Maintenance	100	-	1.35	-0.40	-8.84
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.36	-0.11	-2.35
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	1.37	-0.41	-8.97
Altoona, PA	Ozone	Maintenance	100	-	0.22	-0.07	-1.43
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.47	-0.14	-3.06
Anchorage, AK	CO	Maintenance	100	-	0.35	-0.10	-2.30
Anthony, NM	PM ₁₀	Moderate	100	-	0.02	-0.00	-0.11
Armstrong County, PA	SO _x	Nonattainment	100	-	0.01	-0.00	-0.07
Aspen, CO	PM ₁₀	Maintenance	100	-	0.02	-0.01	-0.11
Atlanta, GA	Ozone	Moderate	50	-	16.18	-4.80	-106.30
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	16.19	-4.80	-106.35
Atlantic City, NJ	CO	Maintenance	100	-	0.11	-0.03	-0.75
Bakersfield, CA	CO	Maintenance	100	-	-0.18	-2.24	-8.88
Baltimore, MD	CO	Maintenance	100	-	0.02	-0.01	-0.15
Baltimore, MD	Ozone	Moderate	50	-	7.08	-2.10	-46.53
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	7.08	-2.10	-46.53
Baton Rouge, LA	Ozone	Moderate	50	-	-73.33	-114.48	-115.81
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-237.94	-363.34	-340.16
Benton County, TN	SO _x	Maintenance	100	-	0.00	-0.00	-0.02
Benton Harbor, MI	Ozone	Maintenance	100	-	0.38	-0.11	-2.48
Benzie County, MI	Ozone	Maintenance	100	-	0.06	-0.02	-0.39
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.35	-0.10	-2.29
Billings, MT	CO	Maintenance	100	-	-39.52	-60.39	-56.67
Birmingham, AL	Ozone	Maintenance	100	-	-1.29	-6.05	-19.75
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-1.28	-6.05	-19.80
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.78	-0.23	-5.14
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.78	-0.23	-5.14
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.04	-0.01	-0.28
Boston, MA	CO	Maintenance	100	-	1.93	-0.57	-12.67
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	11.79	-3.50	-77.47
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	1.54	-0.46	-10.13
Boyd County (part), KY	SO _x	Maintenance	100	-	0.02	-0.01	-0.14
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	2.58	-0.77	-16.97
Burlington, NJ	CO	Maintenance	100	-	0.02	-0.00	-0.10
Butte, MT	PM ₁₀	Moderate	100	-	0.04	-0.01	-0.28
Canon City, CO	PM ₁₀	Maintenance	100	-	0.05	-0.01	-0.32
Canton-Massillon, OH	Ozone	Maintenance	100	-	-5.73	-9.88	-13.15
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-5.73	-9.88	-13.15
Case County, MI	Ozone	Maintenance	100	-	0.10	-0.03	-0.64
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.01	-0.00	-0.08
Charleston, WV	Ozone	Maintenance	100	-	0.58	-0.17	-3.84
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.58	-0.17	-3.84
Charlotte, NC	CO	Maintenance	100	-	1.79	-0.53	-11.78
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	3.96	-1.17	-26.00

Table B1-11
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Particulate Matter 2.5 (PM_{2.5}) 2040

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	1.22	-0.37	-8.04
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	1.12	-0.34	-7.39
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-94.52	-173.90	-264.81
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-93.95	-174.07	-268.51
Chico, CA	CO	Maintenance	100	-	0.30	-0.09	-1.97
Chico, CA	Ozone	Former Subpart 1	50	-	0.66	-0.20	-4.32
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	4.55	-1.35	-29.86
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	4.41	-1.31	-28.94
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.03	-0.01	-0.18
Clark County, NV	PM ₁₀	Serious	70	-	3.84	-1.14	-25.21
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.62	-0.18	-4.09
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.40	-0.12	-2.65
Cleveland, OH	CO	Maintenance	100	-	1.95	-0.58	-12.80
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	5.73	-1.70	-37.63
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	5.26	-1.56	-34.55
Coachella Valley, CA	PM ₁₀	Serious	70	-	1.71	-0.51	-11.20
Colbert County, AL	SO _x	Maintenance	100	-	0.12	-0.04	-0.81
Colorado Springs, CO	CO	Maintenance	100	-	1.46	-0.43	-9.60
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.01	-0.00	-0.09
Columbia, SC	Ozone	Former Subpart 1	50	-	1.50	-0.44	-9.85
Columbus, OH	Ozone	Maintenance	100	-	4.09	-1.21	-26.86
Columbus, OH	PM _{2.5}	Nonattainment	100	-	3.80	-1.13	-24.97
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	-0.02	-0.06
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	1.95	-0.58	-12.80
Cuyahoga County, OH	SO _x	Maintenance	100	-	1.62	-0.48	-10.64
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	17.29	-5.13	-113.56
Dayton-Springfield, OH	Ozone	Maintenance	100	-	1.82	-0.54	-11.99
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	1.61	-0.48	-10.56
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-41.36	-76.16	-116.12
Denver-Boulder, CO	CO	Maintenance	100	-	-41.68	-76.06	-114.02
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-39.86	-76.60	-126.02
Detroit, MI	CO	Maintenance	100	-	-33.73	-57.29	-73.61
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-38.52	-77.78	-138.23
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-38.71	-77.72	-136.93
Door County, WI	Ozone	Former Subpart 1	50	-	0.09	-0.03	-0.58
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.08	-0.02	-0.52
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.06	-0.02	-0.42
Duluth, MN	CO	Maintenance	100	-	0.18	-0.05	-1.15
Eagle River, AK	PM ₁₀	Moderate	100	-	0.02	-0.01	-0.14
East Chicago, IN	CO	Maintenance	100	-	0.00	-0.00	-0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	-87.45	-133.78	-126.05
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	-0.00	-0.02
El Paso County, TX	PM ₁₀	Moderate	100	-	-25.46	-40.79	-44.80
El Paso, TX	CO	Maintenance	100	-	0.07	-0.02	-0.47
Erie, PA	Ozone	Maintenance	100	-	0.50	-0.15	-3.28
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	-0.00	-0.03

Table B1-11
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Particulate Matter 2.5 (PM_{2.5}) 2040

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Eugene-Springfield, OR	CO	Maintenance	100	-	0.54	-0.16	-3.57
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.52	-0.15	-3.42
Evansville, IN	Ozone	Maintenance	100	-	0.57	-0.17	-3.76
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.73	-0.22	-4.79
Fairbanks, AK	CO	Maintenance	100	-	0.04	-0.01	-0.28
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.68	-0.20	-4.44
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.02	-0.01	-0.12
Flint, MI	Ozone	Maintenance	100	-	1.16	-0.34	-7.59
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.01
Fort Collins, CO	CO	Maintenance	100	-	0.44	-0.13	-2.90
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	0.84	-0.25	-5.50
Franklin County, PA	Ozone	Maintenance	100	-	0.36	-0.11	-2.35
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.30	-0.09	-1.98
Fredericksburg, VA	Ozone	Maintenance	100	-	1.05	-0.31	-6.90
Freehold, NJ	CO	Maintenance	100	-	0.05	-0.01	-0.30
Fresno, CA	CO	Maintenance	100	-	1.45	-0.44	-9.53
Grand Rapids, MI	Ozone	Maintenance	100	-	1.94	-0.58	-12.75
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.09	-0.03	-0.56
Grant County, NM	SO _x	Maintenance	100	-	0.01	-0.00	-0.04
Grants Pass, OR	CO	Maintenance	100	-	0.00	-0.00	-0.01
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.08	-0.02	-0.54
Great Falls, MT	CO	Maintenance	100	-	0.04	-0.01	-0.26
Greater Connecticut, CT	Ozone	Moderate	50	-	3.66	-1.09	-24.07
Greeley, CO	CO	Maintenance	100	-	0.30	-0.09	-1.95
Green Bay, WI	SO _x	Maintenance	100	-	0.29	-0.08	-1.88
Greene County, IN	Ozone	Maintenance	100	-	0.11	-0.03	-0.73
Greene County, PA	Ozone	Maintenance	100	-	0.10	-0.03	-0.66
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	3.67	-1.09	-24.10
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	1.80	-0.53	-11.80
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	1.98	-0.59	-13.02
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.05	-0.02	-0.33
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.27	-0.08	-1.74
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	2.03	-0.60	-13.35
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	1.87	-0.56	-12.31
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	2.34	-0.69	-15.38
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.03	-0.01	-0.16
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.10	-0.03	-0.65
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.01	-0.00	-0.07
Hazelwood, PA	SO _x	Maintenance	100	-	0.09	-0.03	-0.60
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.39	-0.11	-2.54
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.65	-0.19	-4.26
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	-0.00	-0.03
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-351.23	-558.28	-598.31
Humphreys County, TN	SO _x	Maintenance	100	-	0.01	-0.00	-0.04
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-47.45	-73.34	-71.67
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-47.77	-73.24	-69.62
Huron County, MI	Ozone	Maintenance	100	-	0.06	-0.02	-0.41

Table B1-11
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Particulate Matter 2.5 (PM_{2.5}) 2040

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Imperial County, CA	Ozone	Moderate	50	-	0.56	-0.16	-3.65
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.54	-0.16	-3.57
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.07	-0.02	-0.48
Indianapolis, IN	CO	Maintenance	100	-	0.00	-0.00	-0.01
Indianapolis, IN	Ozone	Maintenance	100	-	4.74	-1.41	-31.16
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	3.77	-1.12	-24.75
Jackson County, IN	Ozone	Maintenance	100	-	0.18	-0.05	-1.16
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.35	-0.10	-2.28
Jefferson County, NY	Ozone	Moderate	50	-	0.28	-0.08	-1.83
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.02	-0.00	-0.10
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.48	-0.14	-3.13
Johnstown, PA	Ozone	Maintenance	100	-	0.20	-0.06	-1.30
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.22	-0.06	-1.43
Juneau, AK	PM ₁₀	Moderate	100	-	0.03	-0.01	-0.19
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	1.13	-0.33	-7.42
Kalispell, MT	PM ₁₀	Moderate	100	-	0.07	-0.02	-0.48
Kansas City, MO-KS	Ozone	Maintenance	100	-	3.96	-1.17	-26.00
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.34	-0.10	-2.25
Kent, WA	PM ₁₀	Maintenance	100	-	0.06	-0.02	-0.41
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.19	-0.06	-1.23
Kewaunee County, WI	Ozone	Maintenance	100	-	0.05	-0.02	-0.36
King County, WA	PM ₁₀	Maintenance	100	-	0.02	-0.01	-0.16
Klamath Falls, OR	CO	Maintenance	100	-	0.11	-0.03	-0.72
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.11	-0.03	-0.72
Knoxville, TN	Ozone	Former Subpart 1	50	-	2.91	-0.86	-19.13
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	2.22	-0.66	-14.59
La Porte County, IN	SO _x	Maintenance	100	-	0.07	-0.02	-0.49
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.03	-0.01	-0.22
Lake County, IN	SO _x	Maintenance	100	-	0.66	-0.19	-4.32
Lake County, OH	SO _x	Maintenance	100	-	0.08	-0.02	-0.52
Lake County, OR	PM ₁₀	Maintenance	100	-	0.01	-0.00	-0.09
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.08	-0.02	-0.55
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.18	-0.05	-1.20
Lake Tahoe, NV	CO	Maintenance	100	-	0.05	-0.01	-0.30
Lamar, CO	PM ₁₀	Maintenance	100	-	0.02	-0.01	-0.13
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.02
Lancaster, PA	Ozone	Maintenance	100	-	1.05	-0.31	-6.89
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	1.05	-0.31	-6.89
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.02
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	1.09	-0.32	-7.15
LaPorte, IN	Ozone	Maintenance	100	-	0.21	-0.06	-1.35
Las Vegas, NV	CO	Serious	100	-	3.84	-1.14	-25.21
Las Vegas, NV	Ozone	Former Subpart 1	50	-	3.89	-1.15	-25.52
Lauderdale County, AL	SO _x	Maintenance	100	-	0.19	-0.06	-1.25
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	-0.00	-0.03
Libby, MT	PM ₁₀	Moderate	100	-	0.01	-0.00	-0.06
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.01	-0.00	-0.08
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.03	-0.01	-0.18
Lima, OH	Ozone	Maintenance	100	-	-60.84	-92.93	-87.10

Table B1-11
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Particulate Matter 2.5 (PM_{2.5}) 2040

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Longmont, CO	CO	Maintenance	100	-	0.23	-0.07	-1.52
Lorain County, OH	SO _x	Maintenance	100	-	0.10	-0.03	-0.69
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-136.19	-274.03	-484.43
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	-136.19	-274.03	-484.43
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-136.19	-274.03	-484.43
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-136.19	-274.03	-484.43
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-136.19	-274.03	-484.42
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	1.69	-0.50	-11.07
Louisville, KY-IN	Ozone	Maintenance	100	-	2.52	-0.75	-16.55
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	2.42	-0.72	-15.87
Lowell, MA	CO	Maintenance	100	-	0.27	-0.08	-1.78
Lucas County, OH	SO _x	Maintenance	100	-	0.64	-0.19	-4.20
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.12	-0.07	-0.90
Macon, GA	Ozone	Maintenance	100	-	0.44	-0.13	-2.91
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.44	-0.13	-2.88
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.01	-0.00	-0.04
Madison, WI	SO _x	Maintenance	100	-	0.61	-0.18	-4.03
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.03	-0.01	-0.18
Manchester, NH	CO	Maintenance	100	-	0.16	-0.05	-1.08
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.22	-0.07	-1.46
Marion County, IN	SO _x	Maintenance	100	-	0.68	-0.20	-4.45
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.30	-0.09	-1.97
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.73	-0.22	-4.80
Mason County, MI	Ozone	Maintenance	100	-	0.06	-0.02	-0.40
Medford, OR	CO	Maintenance	100	-	0.20	-0.06	-1.30
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.48	-0.14	-3.13
Memphis, TN-AR	Ozone	Maintenance	100	-	-16.67	-29.28	-40.59
Memphis, TN	CO	Maintenance	100	-	-16.84	-29.23	-39.51
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.07	-0.02	-0.48
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.01	-0.00	-0.07
Milwaukee, WI	SO _x	Maintenance	100	-	1.15	-0.34	-7.57
Milwaukee-Racine, WI	Ozone	Moderate	50	-	4.12	-1.22	-27.04
Minneapolis-St Paul, MN	CO	Maintenance	100	-	6.81	-2.02	-44.73
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	6.62	-1.96	-43.45
Missoula, MT	CO	Maintenance	100	-	0.14	-0.04	-0.95
Missoula, MT	PM ₁₀	Moderate	100	-	0.14	-0.04	-0.92
Modesto, CA	CO	Maintenance	100	-	0.80	-0.24	-5.28
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.27	-0.08	-1.79
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.03
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.01	-0.00	-0.05
Morristown, NJ	CO	Maintenance	100	-	0.08	-0.02	-0.55
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.06	-0.02	-0.41
Muncie, IN	Ozone	Maintenance	100	-	0.24	-0.07	-1.56
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.01	-0.00	-0.07
Muscatine County, IA	SO _x	Maintenance	100	-	0.04	-0.01	-0.23
Muskegon, MI	Ozone	Maintenance	100	-	0.30	-0.09	-1.96
Nashua, NH	CO	Maintenance	100	-	0.13	-0.04	-0.87
Nashville, TN	Ozone	Former Subpart 1	50	-	3.92	-1.16	-25.72

Table B1-11
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Particulate Matter 2.5 (PM_{2.5}) 2040

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.40	-0.12	-2.61
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.34	-0.10	-2.26
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	1.74	-0.52	-11.41
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.01	-0.00	-0.08
New York County, NY	PM ₁₀	Moderate	100	-	0.97	-0.29	-6.37
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-2.11	-35.09	-142.78
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	6.79	-51.23	-260.46
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	6.49	-51.14	-258.48
Nogales, AZ	PM ₁₀	Moderate	100	-	0.10	-0.03	-0.63
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-64.51	-104.55	-118.70
Ogden, UT	CO	Maintenance	100	-	0.16	-0.05	-1.02
Ogden, UT	PM ₁₀	Moderate	100	-	0.16	-0.05	-1.02
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.03
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.04	-0.01	-0.29
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.27	-0.08	-1.75
Owens Valley, CA	PM ₁₀	Serious	70	-	0.01	-0.00	-0.07
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.32	-0.09	-2.09
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.32	-0.10	-2.10
Payson, AZ	PM ₁₀	Maintenance	100	-	0.05	-0.01	-0.31
Penns Grove, NJ	CO	Maintenance	100	-	0.00	-0.00	-0.01
Peoria, IL	SO _x	Maintenance	100	-	0.21	-0.07	-1.43
Perth Amboy, NJ	CO	Maintenance	100	-	-7.09	-11.15	-11.54
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.82	-0.24	-5.38
Philadelaphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-95.55	-163.38	-213.22
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-91.08	-165.23	-244.92
Phoenix, AZ	CO	Maintenance	100	-	12.95	-3.93	-85.45
Phoenix, AZ	PM ₁₀	Serious	70	-	13.31	-4.03	-87.79
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	13.35	-4.04	-88.04
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.02	-0.01	-0.15
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.02
Pittsburgh, PA	CO	Maintenance	100	-	0.06	-0.02	-0.40
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	4.38	-1.35	-28.99
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	4.00	-1.23	-26.48
Polk County, TN	SO _x	Maintenance	100	-	0.05	-0.01	-0.31
Polson, MT	PM ₁₀	Moderate	100	-	0.01	-0.00	-0.05
Portland, ME	Ozone	Maintenance	100	-	1.28	-0.39	-8.46
Portland, OR	CO	Maintenance	100	-	2.23	-1.37	-17.78
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.10	-0.03	-0.64
Poughkeepsie, NY	Ozone	Moderate	50	-	3.41	-1.01	-22.39
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.02	-0.01	-0.13
Providence (entire State), RI	Ozone	Moderate	50	-	2.30	-0.68	-15.13
Provo, UT	CO	Maintenance	100	-	0.41	-0.12	-2.68
Raleigh-Durham, NC	CO	Maintenance	100	-	3.20	-0.95	-21.01
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	4.35	-1.29	-28.56
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.03

Table B1-11
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Particulate Matter 2.5 (PM_{2.5}) 2040

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Reading, PA	Ozone	Maintenance	100	-	0.75	-0.22	-4.94
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.75	-0.22	-4.94
Reno, NV	CO	Maintenance	100	-	0.56	-0.17	-3.68
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	-0.00	-0.02
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	2.68	-0.98	-18.46
Rillito, AZ	PM ₁₀	Moderate	100	-	0.13	-0.04	-0.83
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	1.71	-0.51	-11.20
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.58	-0.17	-3.80
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.19	-0.06	-1.24
Rochester, NY	Ozone	Former Subpart 1	50	-	3.03	-0.90	-19.90
Rocky Mount, NC	Ozone	Maintenance	100	-	0.41	-0.12	-2.68
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.27	-0.08	-1.77
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.02
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.01	-0.00	-0.04
Sacramento County, CA	PM ₁₀	Moderate	100	-	3.90	-1.16	-25.59
Sacramento Metro, CA	Ozone	Severe	25	-	7.15	-2.12	-46.94
Sacramento, CA	CO	Maintenance	100	-	4.38	-1.30	-28.77
Salem, OR	CO	Maintenance	100	-	0.29	-0.09	-1.92
Salt Lake City, UT	CO	Maintenance	100	-	-16.51	-26.01	-27.13
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-14.59	-26.58	-39.72
Salt Lake County, UT	SO _x	Nonattainment	100	-	2.42	-0.72	-15.89
San Antonio, TX	Ozone	Former Subpart 1	50	-	4.43	-1.31	-29.10
San Bernardino County, CA	PM ₁₀	Moderate	100	-	1.05	-0.31	-6.87
San Diego, CA	CO	Maintenance	100	-	10.59	-3.14	-69.56
San Diego, CA	Ozone	Former Subpart 1	50	-	10.61	-3.15	-69.70
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-124.96	-218.46	-299.86
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-122.96	-219.05	-312.97
San Joaquin Valley, CA	Ozone	Extreme	10	-	10.46	-5.42	-78.87
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	10.50	-5.43	-79.11
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	10.46	-5.42	-78.87
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.08	-0.03	-0.56
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	1.51	-0.45	-9.95
Seattle-Tacoma, WA	CO	Maintenance	100	-	7.17	-2.13	-47.10
Sheboygan, WI	Ozone	Moderate	50	-	0.28	-0.08	-1.83
Sheridan, WY	PM ₁₀	Moderate	100	-	0.05	-0.01	-0.32
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.04	-0.01	-0.27
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	1.02	-0.30	-6.72
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.29	-0.17	-2.29
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.71	-0.21	-4.66
Spokane, WA	CO	Maintenance	100	-	0.70	-0.21	-4.61
Springfield (western MA), MA	Ozone	Moderate	50	-	2.02	-0.60	-13.28
Springfield, MA	CO	Maintenance	100	-	0.34	-0.10	-2.21
St Louis, MO	CO	Maintenance	100	-	1.86	-0.55	-12.22
St Louis, MO-IL	Ozone	Moderate	50	-	-267.01	-417.74	-425.58
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-267.05	-417.72	-425.29
State College, PA	Ozone	Maintenance	100	-	0.41	-0.12	-2.70

Table B1-11
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Particulate Matter 2.5 (PM_{2.5}) 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.05	-0.01	-0.33
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.09	-0.03	-0.59
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.28	-0.78	-1.98
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.28	-0.78	-1.98
Stockton, CA	CO	Maintenance	100	-	1.21	-0.36	-7.98
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	1.13	-0.33	-7.41
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.03
Terre Haute, IN	Ozone	Maintenance	100	-	0.27	-0.08	-1.79
Tioga County, PA	Ozone	Maintenance	100	-	0.12	-0.04	-0.79
Toledo, OH	Ozone	Maintenance	100	-	-62.39	-97.04	-96.94
Toms River, NJ	CO	Maintenance	100	-	0.25	-0.07	-1.64
Tooele County, UT	SO _x	Nonattainment	100	-	0.24	-0.07	-1.56
Trenton, NJ	CO	Maintenance	100	-	0.20	-0.06	-1.34
Trona, CA	PM ₁₀	Moderate	100	-	0.01	-0.00	-0.05
Tucson, AZ	CO	Maintenance	100	-	2.42	-0.72	-15.92
Utah County, UT	PM ₁₀	Moderate	100	-	1.18	-0.35	-7.77
Vancouver, WA	CO	Maintenance	100	-	0.79	-0.23	-5.17
Ventura County, CA	Ozone	Serious	50	-	2.08	-0.76	-14.29
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.02	-0.00	-0.10
Vigo County, IN	SO _x	Maintenance	100	-	0.27	-0.08	-1.79
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.13	-0.04	-0.83
Warren County, NJ	SO _x	Maintenance	100	-	0.08	-0.02	-0.55
Warren County, PA	SO _x	Nonattainment	100	-	-0.02	-0.08	-0.26
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.48	-0.14	-3.13
Washington, DC-MD-VA	CO	Maintenance	100	-	3.64	-1.08	-23.93
Washington, DC-MD-VA	Ozone	Moderate	50	-	13.04	-3.87	-85.63
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	12.75	-3.78	-83.74
Washoe County, NV	PM ₁₀	Serious	70	-	0.56	-0.17	-3.68
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.01	-0.00	-0.06
Wayne County, IN	SO _x	Maintenance	100	-	0.15	-0.04	-0.96
Wayne County, MI	PM ₁₀	Maintenance	100	-	-28.91	-44.30	-42.01
Weirton, WV	PM ₁₀	Maintenance	100	-	0.02	-0.01	-0.12
Weirton, WV	SO _x	Maintenance	100	-	0.02	-0.01	-0.16
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.31	-0.09	-2.02
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.31	-0.09	-2.02
Winston-Salem, NC	CO	Maintenance	100	-	0.95	-0.28	-6.23
Worcester, MA	CO	Maintenance	100	-	0.53	-0.16	-3.49
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.22	-0.06	-1.43
Yakima, WA	CO	Maintenance	100	-	0.10	-0.03	-0.64
York, PA	Ozone	Maintenance	100	-	1.05	-0.31	-6.91
York, PA	PM _{2.5}	Nonattainment	100	-	0.82	-0.24	-5.35
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	1.35	-0.40	-8.84
Yuma, AZ	PM ₁₀	Moderate	100	-	0.46	-0.14	-3.04

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

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

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

Source: EPA, 2008.

Table B1-12
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.01	-0.00	-0.03
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.02	-0.00	-0.09
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.02	-0.00	-0.09
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	4.68	-0.83	-27.44
Albuquerque, NM	CO	Maintenance	100	-	2.10	-0.37	-12.34
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.59	-0.10	-3.48
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	2.15	-0.38	-12.60
Altoona, PA	Ozone	Maintenance	100	-	0.32	-0.06	-1.87
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.85	-0.15	-4.96
Anchorage, AK	CO	Maintenance	100	-	0.57	-0.10	-3.34
Anthony, NM	PM ₁₀	Moderate	100	-	0.03	-0.00	-0.15
Armstrong County, PA	SO _x	Nonattainment	100	-	0.02	-0.00	-0.10
Aspen, CO	PM ₁₀	Maintenance	100	-	0.03	-0.00	-0.16
Atlanta, GA	Ozone	Moderate	50	-	26.47	-4.69	-155.33
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	26.48	-4.69	-155.38
Atlantic City, NJ	CO	Maintenance	100	-	0.17	-0.03	-1.01
Bakersfield, CA	CO	Maintenance	100	-	0.10	-2.88	-12.79
Baltimore, MD	CO	Maintenance	100	-	0.03	-0.01	-0.20
Baltimore, MD	Ozone	Moderate	50	-	11.41	-2.02	-66.94
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	11.41	-2.02	-66.94
Baton Rouge, LA	Ozone	Moderate	50	-	-97.25	-152.56	-152.86
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-316.71	-484.70	-446.10
Benton County, TN	SO _x	Maintenance	100	-	0.00	-0.00	-0.02
Benton Harbor, MI	Ozone	Maintenance	100	-	0.54	-0.10	-3.17
Benzie County, MI	Ozone	Maintenance	100	-	0.10	-0.02	-0.60
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.56	-0.10	-3.31
Billings, MT	CO	Maintenance	100	-	-52.60	-80.56	-74.38
Birmingham, AL	Ozone	Maintenance	100	-	-1.29	-7.79	-26.62
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-1.27	-7.79	-26.69
Boise-Northern Ada County, ID	CO	Maintenance	100	-	1.27	-0.23	-7.48
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	1.27	-0.23	-7.48
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.07	-0.01	-0.44
Boston, MA	CO	Maintenance	100	-	3.00	-0.53	-17.59
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	18.59	-3.29	-109.11
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	2.48	-0.44	-14.57
Boyd County (part), KY	SO _x	Maintenance	100	-	0.03	-0.01	-0.18
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	3.96	-0.70	-23.26
Burlington, NJ	CO	Maintenance	100	-	0.02	-0.00	-0.10
Butte, MT	PM ₁₀	Moderate	100	-	0.06	-0.01	-0.35
Canon City, CO	PM ₁₀	Maintenance	100	-	0.09	-0.02	-0.50
Canton-Massillon, OH	Ozone	Maintenance	100	-	-7.53	-13.10	-17.36
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-7.53	-13.10	-17.36
Case County, MI	Ozone	Maintenance	100	-	0.15	-0.03	-0.87
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.02
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.02	-0.00	-0.10
Charleston, WV	Ozone	Maintenance	100	-	0.85	-0.15	-4.97

Table B1-12
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.85	-0.15	-4.97
Charlotte, NC	CO	Maintenance	100	-	2.95	-0.52	-17.31
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	6.45	-1.14	-37.82
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	1.87	-0.34	-11.02
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	1.73	-0.32	-10.21
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-121.38	-230.17	-360.20
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-120.48	-230.33	-365.47
Chico, CA	CO	Maintenance	100	-	0.55	-0.10	-3.21
Chico, CA	Ozone	Former Subpart 1	50	-	1.14	-0.20	-6.72
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	7.16	-1.27	-42.00
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	6.93	-1.23	-40.64
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.04	-0.01	-0.21
Clark County, NV	PM ₁₀	Serious	70	-	6.55	-1.16	-38.44
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	1.01	-0.18	-5.94
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.62	-0.11	-3.62
Cleveland, OH	CO	Maintenance	100	-	2.79	-0.49	-16.34
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	8.74	-1.55	-51.29
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	7.99	-1.41	-46.90
Coachella Valley, CA	PM ₁₀	Serious	70	-	3.00	-0.53	-17.59
Colbert County, AL	SO _x	Maintenance	100	-	0.18	-0.03	-1.03
Colorado Springs, CO	CO	Maintenance	100	-	2.44	-0.43	-14.30
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.02	-0.00	-0.14
Columbia, SC	Ozone	Former Subpart 1	50	-	2.37	-0.42	-13.92
Columbus, OH	Ozone	Maintenance	100	-	6.73	-1.19	-39.47
Columbus, OH	PM _{2.5}	Nonattainment	100	-	6.26	-1.11	-36.76
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	-0.02	-0.07
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	2.79	-0.49	-16.34
Cuyahoga County, OH	SO _x	Maintenance	100	-	2.40	-0.42	-14.09
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	28.84	-5.10	-169.25
Dayton-Springfield, OH	Ozone	Maintenance	100	-	2.74	-0.48	-16.06
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	2.40	-0.43	-14.10
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-52.75	-100.86	-160.12
Denver-Boulder, CO	CO	Maintenance	100	-	-53.28	-100.77	-156.98
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-50.25	-101.30	-174.78
Detroit, MI	CO	Maintenance	100	-	-47.86	-80.29	-97.44
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-48.77	-102.41	-187.03
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-49.09	-102.36	-185.21
Door County, WI	Ozone	Former Subpart 1	50	-	0.14	-0.03	-0.84
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.12	-0.02	-0.70
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.10	-0.02	-0.57
Duluth, MN	CO	Maintenance	100	-	0.26	-0.05	-1.52
Eagle River, AK	PM ₁₀	Moderate	100	-	0.04	-0.01	-0.22
East Chicago, IN	CO	Maintenance	100	-	0.00	-0.00	-0.02
East Chicago, IN	PM ₁₀	Maintenance	100	-	-116.39	-178.45	-165.33
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	-0.00	-0.02
El Paso County, TX	PM ₁₀	Moderate	100	-	-33.59	-54.30	-59.63
El Paso, TX	CO	Maintenance	100	-	0.11	-0.02	-0.64

Table B1-12
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Erie, PA	Ozone	Maintenance	100	-	0.75	-0.13	-4.42
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.01	-0.00	-0.04
Eugene-Springfield, OR	CO	Maintenance	100	-	0.88	-0.15	-5.14
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.84	-0.15	-4.93
Evansville, IN	Ozone	Maintenance	100	-	0.88	-0.16	-5.19
Evansville, IN	PM _{2.5}	Nonattainment	100	-	1.12	-0.20	-6.55
Fairbanks, AK	CO	Maintenance	100	-	0.07	-0.01	-0.42
Fayetteville, NC	Ozone	Former Subpart 1	50	-	1.06	-0.19	-6.22
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.03	-0.01	-0.18
Flint, MI	Ozone	Maintenance	100	-	1.76	-0.31	-10.35
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.01
Fort Collins, CO	CO	Maintenance	100	-	0.74	-0.13	-4.36
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	1.32	-0.23	-7.72
Franklin County, PA	Ozone	Maintenance	100	-	0.57	-0.10	-3.35
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.47	-0.08	-2.78
Fredericksburg, VA	Ozone	Maintenance	100	-	1.78	-0.32	-10.45
Freehold, NJ	CO	Maintenance	100	-	0.08	-0.01	-0.48
Fresno, CA	CO	Maintenance	100	-	2.38	-0.43	-13.99
Grand Rapids, MI	Ozone	Maintenance	100	-	3.15	-0.56	-18.48
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.12	-0.02	-0.72
Grant County, NM	SO _x	Maintenance	100	-	0.01	-0.00	-0.05
Grants Pass, OR	CO	Maintenance	100	-	0.00	-0.00	-0.01
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.14	-0.02	-0.82
Great Falls, MT	CO	Maintenance	100	-	0.05	-0.01	-0.32
Greater Connecticut, CT	Ozone	Moderate	50	-	5.60	-0.99	-32.87
Greeley, CO	CO	Maintenance	100	-	0.49	-0.09	-2.85
Green Bay, WI	SO _x	Maintenance	100	-	0.45	-0.08	-2.65
Greene County, IN	Ozone	Maintenance	100	-	0.17	-0.03	-1.02
Greene County, PA	Ozone	Maintenance	100	-	0.15	-0.03	-0.89
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	5.68	-1.00	-33.33
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	2.76	-0.49	-16.18
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	3.00	-0.53	-17.62
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.08	-0.01	-0.46
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.42	-0.07	-2.44
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	3.28	-0.58	-19.26
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	3.02	-0.54	-17.74
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	3.53	-0.62	-20.70
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.04	-0.01	-0.25
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.17	-0.03	-0.99
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.02	-0.00	-0.11
Hazelwood, PA	SO _x	Maintenance	100	-	0.14	-0.03	-0.85
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.58	-0.10	-3.38
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.99	-0.17	-5.79
Hollis Township, IL	SO _x	Maintenance	100	-	0.01	-0.00	-0.04
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-463.99	-743.45	-795.70
Humphreys County, TN	SO _x	Maintenance	100	-	0.01	-0.00	-0.06

Table B1-12
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-63.09	-97.77	-94.02
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-63.58	-97.68	-91.19
Huron County, MI	Ozone	Maintenance	100	-	0.09	-0.02	-0.55
Imperial County, CA	Ozone	Moderate	50	-	0.94	-0.17	-5.53
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.92	-0.16	-5.42
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.11	-0.02	-0.65
Indianapolis, IN	CO	Maintenance	100	-	0.00	-0.00	-0.01
Indianapolis, IN	Ozone	Maintenance	100	-	7.63	-1.35	-44.79
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	6.08	-1.08	-35.65
Jackson County, IN	Ozone	Maintenance	100	-	0.27	-0.05	-1.59
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.53	-0.09	-3.12
Jefferson County, NY	Ozone	Moderate	50	-	0.43	-0.08	-2.54
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.02	-0.00	-0.12
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.72	-0.13	-4.23
Johnstown, PA	Ozone	Maintenance	100	-	0.26	-0.05	-1.55
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.29	-0.05	-1.71
Juneau, AK	PM ₁₀	Moderate	100	-	0.05	-0.01	-0.29
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	1.73	-0.31	-10.17
Kalispell, MT	PM ₁₀	Moderate	100	-	0.12	-0.02	-0.72
Kansas City, MO-KS	Ozone	Maintenance	100	-	6.39	-1.13	-37.47
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.56	-0.10	-3.26
Kent, WA	PM ₁₀	Maintenance	100	-	0.11	-0.02	-0.63
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.29	-0.05	-1.69
Kewaunee County, WI	Ozone	Maintenance	100	-	0.08	-0.01	-0.48
King County, WA	PM ₁₀	Maintenance	100	-	0.04	-0.01	-0.24
Klamath Falls, OR	CO	Maintenance	100	-	0.17	-0.03	-0.97
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.17	-0.03	-0.97
Knoxville, TN	Ozone	Former Subpart 1	50	-	4.82	-0.85	-28.26
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	3.63	-0.64	-21.31
La Porte County, IN	SO _x	Maintenance	100	-	0.11	-0.02	-0.64
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.05	-0.01	-0.31
Lake County, IN	SO _x	Maintenance	100	-	0.97	-0.17	-5.71
Lake County, OH	SO _x	Maintenance	100	-	0.12	-0.02	-0.71
Lake County, OR	PM ₁₀	Maintenance	100	-	0.02	-0.00	-0.11
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.15	-0.03	-0.90
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.35	-0.06	-2.04
Lake Tahoe, NV	CO	Maintenance	100	-	0.07	-0.01	-0.41
Lamar, CO	PM ₁₀	Maintenance	100	-	0.03	-0.01	-0.17
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.02
Lancaster, PA	Ozone	Maintenance	100	-	1.66	-0.29	-9.76
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	1.66	-0.29	-9.76
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.02
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	1.70	-0.30	-9.97
LaPorte, IN	Ozone	Maintenance	100	-	0.30	-0.05	-1.77
Las Vegas, NV	CO	Serious	100	-	6.55	-1.16	-38.44
Las Vegas, NV	Ozone	Former Subpart 1	50	-	6.62	-1.17	-38.83
Lauderdale County, AL	SO _x	Maintenance	100	-	0.28	-0.05	-1.66
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.01	-0.00	-0.03
Libby, MT	PM ₁₀	Moderate	100	-	0.01	-0.00	-0.08

Table B1-12
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.02	-0.00	-0.10
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.04	-0.01	-0.21
Lima, OH	Ozone	Maintenance	100	-	-80.98	-123.97	-114.23
Longmont, CO	CO	Maintenance	100	-	0.40	-0.07	-2.32
Lorain County, OH	SO _x	Maintenance	100	-	0.16	-0.03	-0.97
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-170.20	-361.72	-671.22
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	-170.20	-361.72	-671.22
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-170.20	-361.72	-671.22
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-170.20	-361.72	-671.22
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-170.20	-361.72	-671.20
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	2.78	-0.49	-16.32
Louisville, KY-IN	Ozone	Maintenance	100	-	3.86	-0.68	-22.65
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	3.67	-0.65	-21.53
Lowell, MA	CO	Maintenance	100	-	0.45	-0.08	-2.62
Lucas County, OH	SO _x	Maintenance	100	-	0.94	-0.17	-5.52
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.17	-0.07	-1.19
Macon, GA	Ozone	Maintenance	100	-	0.65	-0.11	-3.79
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.64	-0.11	-3.74
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.01	-0.00	-0.05
Madison, WI	SO _x	Maintenance	100	-	1.04	-0.18	-6.08
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.05	-0.01	-0.32
Manchester, NH	CO	Maintenance	100	-	0.23	-0.04	-1.35
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.34	-0.06	-1.97
Marion County, IN	SO _x	Maintenance	100	-	1.01	-0.18	-5.91
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.53	-0.09	-3.09
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	1.15	-0.20	-6.72
Mason County, MI	Ozone	Maintenance	100	-	0.10	-0.02	-0.57
Medford, OR	CO	Maintenance	100	-	0.34	-0.06	-1.99
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.82	-0.14	-4.81
Memphis, TN-AR	Ozone	Maintenance	100	-	-21.86	-38.78	-53.50
Memphis, TN	CO	Maintenance	100	-	-22.09	-38.74	-52.13
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.12	-0.02	-0.73
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.02	-0.00	-0.09
Milwaukee, WI	SO _x	Maintenance	100	-	1.74	-0.31	-10.23
Milwaukee-Racine, WI	Ozone	Moderate	50	-	6.50	-1.15	-38.15
Minneapolis-St Paul, MN	CO	Maintenance	100	-	10.95	-1.94	-64.23
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	10.63	-1.88	-62.35
Missoula, MT	CO	Maintenance	100	-	0.23	-0.04	-1.35
Missoula, MT	PM ₁₀	Moderate	100	-	0.22	-0.04	-1.31
Modesto, CA	CO	Maintenance	100	-	1.38	-0.24	-8.08
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.48	-0.08	-2.80
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.01	-0.00	-0.04
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.01	-0.00	-0.06
Morristown, NJ	CO	Maintenance	100	-	0.15	-0.03	-0.86
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.09	-0.02	-0.54
Muncie, IN	Ozone	Maintenance	100	-	0.33	-0.06	-1.96
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.02	-0.00	-0.12
Muscatine County, IA	SO _x	Maintenance	100	-	0.06	-0.01	-0.33
Muskegon, MI	Ozone	Maintenance	100	-	0.47	-0.08	-2.75
Nashua, NH	CO	Maintenance	100	-	0.19	-0.03	-1.10

Table B1-12
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Nashville, TN	Ozone	Former Subpart 1	50	-	6.36	-1.12	-37.29
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.72	-0.13	-4.25
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.59	-0.10	-3.45
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	2.63	-0.47	-15.44
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.02	-0.00	-0.11
New York County, NY	PM ₁₀	Moderate	100	-	1.42	-0.25	-8.32
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.81	-44.65	-194.44
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	16.79	-64.29	-359.86
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	16.30	-64.20	-357.00
Nogales, AZ	PM ₁₀	Moderate	100	-	0.16	-0.03	-0.91
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-85.13	-139.07	-157.33
Ogden, UT	CO	Maintenance	100	-	0.24	-0.04	-1.39
Ogden, UT	PM ₁₀	Moderate	100	-	0.24	-0.04	-1.39
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.01	-0.00	-0.04
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.06	-0.01	-0.37
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.44	-0.08	-2.61
Owens Valley, CA	PM ₁₀	Serious	70	-	0.02	-0.00	-0.12
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.48	-0.08	-2.81
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.48	-0.09	-2.83
Payson, AZ	PM ₁₀	Maintenance	100	-	0.08	-0.01	-0.46
Penns Grove, NJ	CO	Maintenance	100	-	0.00	-0.00	-0.01
Peoria, IL	SO _x	Maintenance	100	-	0.32	-0.07	-1.90
Perth Amboy, NJ	CO	Maintenance	100	-	-9.35	-14.86	-15.51
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	1.18	-0.21	-6.93
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-125.17	-216.75	-283.69
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-118.06	-218.61	-327.96
Phoenix, AZ	CO	Maintenance	100	-	23.31	-4.22	-137.20
Phoenix, AZ	PM ₁₀	Serious	70	-	23.91	-4.33	-140.69
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	23.96	-4.34	-141.03
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.03	-0.01	-0.19
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.02
Pittsburgh, PA	CO	Maintenance	100	-	0.11	-0.02	-0.68
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	6.63	-1.23	-39.14
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	6.05	-1.13	-35.74
Polk County, TN	SO _x	Maintenance	100	-	0.07	-0.01	-0.42
Polson, MT	PM ₁₀	Moderate	100	-	0.01	-0.00	-0.08
Portland, ME	Ozone	Maintenance	100	-	2.01	-0.36	-11.82
Portland, OR	CO	Maintenance	100	-	3.55	-1.52	-24.59
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.15	-0.03	-0.86
Poughkeepsie, NY	Ozone	Moderate	50	-	5.72	-1.01	-33.56
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.03	-0.01	-0.17
Providence (entire State), RI	Ozone	Moderate	50	-	3.67	-0.65	-21.55
Provo, UT	CO	Maintenance	100	-	0.68	-0.12	-4.01
Raleigh-Durham, NC	CO	Maintenance	100	-	5.29	-0.94	-31.07

Table B1-12
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	7.18	-1.27	-42.12
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.01	-0.00	-0.03
Reading, PA	Ozone	Maintenance	100	-	1.16	-0.21	-6.83
Reading, PA	PM _{2.5}	Nonattainment	100	-	1.16	-0.21	-6.83
Reno, NV	CO	Maintenance	100	-	0.88	-0.16	-5.16
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.01	-0.00	-0.03
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	4.22	-0.97	-25.67
Rillito, AZ	PM ₁₀	Moderate	100	-	0.22	-0.04	-1.28
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	3.00	-0.53	-17.59
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.88	-0.15	-5.14
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.30	-0.05	-1.78
Rochester, NY	Ozone	Former Subpart 1	50	-	4.70	-0.83	-27.56
Rocky Mount, NC	Ozone	Maintenance	100	-	0.61	-0.11	-3.61
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.41	-0.07	-2.43
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.03
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.01	-0.00	-0.05
Sacramento County, CA	PM ₁₀	Moderate	100	-	6.74	-1.19	-39.56
Sacramento Metro, CA	Ozone	Severe	25	-	12.51	-2.21	-73.41
Sacramento, CA	CO	Maintenance	100	-	7.59	-1.34	-44.53
Salem, OR	CO	Maintenance	100	-	0.45	-0.08	-2.63
Salt Lake City, UT	CO	Maintenance	100	-	-21.85	-34.66	-35.98
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-18.78	-35.20	-53.96
Salt Lake County, UT	SO _x	Nonattainment	100	-	3.87	-0.69	-22.73
San Antonio, TX	Ozone	Former Subpart 1	50	-	7.17	-1.27	-42.10
San Bernardino County, CA	PM ₁₀	Moderate	100	-	1.69	-0.30	-9.91
San Diego, CA	CO	Maintenance	100	-	18.05	-3.19	-105.89
San Diego, CA	Ozone	Former Subpart 1	50	-	18.08	-3.20	-106.10
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-161.36	-289.88	-410.27
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-158.20	-290.44	-428.77
San Joaquin Valley, CA	Ozone	Extreme	10	-	18.48	-6.15	-120.72
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	18.53	-6.16	-120.98
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	18.48	-6.15	-120.72
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.14	-0.03	-0.83
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	2.35	-0.42	-13.78
Seattle-Tacoma, WA	CO	Maintenance	100	-	11.67	-2.06	-68.45
Sheboygan, WI	Ozone	Moderate	50	-	0.45	-0.08	-2.61
Sheridan, WY	PM ₁₀	Moderate	100	-	0.07	-0.01	-0.43
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.07	-0.01	-0.39
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	1.59	-0.28	-9.32
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.37	-0.15	-2.56
Spokane County, WA	PM ₁₀	Maintenance	100	-	1.15	-0.20	-6.74
Spokane, WA	CO	Maintenance	100	-	1.14	-0.20	-6.66
Springfield (western MA), MA	Ozone	Moderate	50	-	3.13	-0.55	-18.39
Springfield, MA	CO	Maintenance	100	-	0.55	-0.10	-3.23
St Louis, MO	CO	Maintenance	100	-	2.60	-0.46	-15.23
St Louis, MO-IL	Ozone	Moderate	50	-	-354.44	-556.52	-559.28

Table B1-12
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-354.50	-556.51	-558.90
State College, PA	Ozone	Maintenance	100	-	0.67	-0.12	-3.93
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.09	-0.02	-0.52
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.13	-0.02	-0.75
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.35	-1.02	-2.55
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.35	-1.02	-2.55
Stockton, CA	CO	Maintenance	100	-	2.14	-0.38	-12.55
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	1.70	-0.30	-9.99
Telluride, CO	PM ₁₀	Maintenance	100	-	0.01	-0.00	-0.05
Terre Haute, IN	Ozone	Maintenance	100	-	0.39	-0.07	-2.28
Tioga County, PA	Ozone	Maintenance	100	-	0.18	-0.03	-1.04
Toledo, OH	Ozone	Maintenance	100	-	-82.88	-129.33	-127.32
Toms River, NJ	CO	Maintenance	100	-	0.43	-0.08	-2.51
Tooele County, UT	SO _x	Nonattainment	100	-	0.38	-0.07	-2.24
Trenton, NJ	CO	Maintenance	100	-	0.33	-0.06	-1.91
Trona, CA	PM ₁₀	Moderate	100	-	0.01	-0.00	-0.08
Tucson, AZ	CO	Maintenance	100	-	4.00	-0.71	-23.45
Utah County, UT	PM ₁₀	Moderate	100	-	1.95	-0.35	-11.45
Vancouver, WA	CO	Maintenance	100	-	1.33	-0.24	-7.81
Ventura County, CA	Ozone	Serious	50	-	3.59	-0.82	-21.83
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.02	-0.00	-0.13
Vigo County, IN	SO _x	Maintenance	100	-	0.39	-0.07	-2.28
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.20	-0.03	-1.15
Warren County, NJ	SO _x	Maintenance	100	-	0.13	-0.02	-0.77
Warren County, PA	SO _x	Nonattainment	100	-	-0.03	-0.11	-0.34
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.73	-0.13	-4.31
Washington, DC-MD-VA	CO	Maintenance	100	-	5.96	-1.05	-34.95
Washington, DC-MD-VA	Ozone	Moderate	50	-	21.34	-3.78	-125.24
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	20.85	-3.69	-122.34
Washoe County, NV	PM ₁₀	Serious	70	-	0.88	-0.16	-5.16
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.01	-0.00	-0.08
Wayne County, IN	SO _x	Maintenance	100	-	0.21	-0.04	-1.22
Wayne County, MI	PM ₁₀	Maintenance	100	-	-39.94	-61.59	-58.25
Weirton, WV	PM ₁₀	Maintenance	100	-	0.02	-0.00	-0.13
Weirton, WV	SO _x	Maintenance	100	-	0.03	-0.01	-0.18
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.43	-0.08	-2.55
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.43	-0.08	-2.55
Winston-Salem, NC	CO	Maintenance	100	-	1.50	-0.26	-8.78
Worcester, MA	CO	Maintenance	100	-	0.89	-0.16	-5.22
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.34	-0.06	-2.02
Yakima, WA	CO	Maintenance	100	-	0.17	-0.03	-0.99

Table B1-12
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
York, PA	Ozone	Maintenance	100	-	1.69	-0.30	-9.92
York, PA	PM _{2.5}	Nonattainment	100	-	1.31	-0.23	-7.68
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	1.95	-0.34	-11.44
Yuma, AZ	PM ₁₀	Moderate	100	-	0.78	-0.14	-4.56

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

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

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

Source: EPA, 2008.

Table B1-13
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Sulfur Dioxide (SO₂) 2021

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.00	-0.01	-0.01
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.02
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.01	-0.01	-0.02
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-2.36	-3.32	-7.21
Albuquerque, NM	CO	Maintenance	100	-	-1.09	-1.54	-3.34
Allegan County, MI	Ozone	Former Subpart 1	50	-	-0.26	-0.37	-0.80
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-1.10	-1.54	-3.35
Altoona, PA	Ozone	Maintenance	100	-	-0.21	-0.29	-0.62
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-0.28	-0.40	-0.87
Anchorage, AK	CO	Maintenance	100	-	-0.26	-0.36	-0.78
Anthony, NM	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.04
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.01	-0.01	-0.03
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.04
Atlanta, GA	Ozone	Moderate	50	-	-12.17	-17.11	-37.24
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-12.18	-17.12	-37.26
Atlantic City, NJ	CO	Maintenance	100	-	-0.10	-0.14	-0.29
Bakersfield, CA	CO	Maintenance	100	-	-3.38	-4.65	-8.23
Baltimore, MD	CO	Maintenance	100	-	-0.02	-0.03	-0.06
Baltimore, MD	Ozone	Moderate	50	-	-5.47	-7.69	-16.74
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-5.47	-7.69	-16.74
Baton Rouge, LA	Ozone	Moderate	50	-	-29.15	-39.91	-66.50
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-387.48	-529.91	-870.38
Benton County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Benton Harbor, MI	Ozone	Maintenance	100	-	-0.34	-0.48	-1.05
Benzie County, MI	Ozone	Maintenance	100	-	-0.04	-0.06	-0.12
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-0.27	-0.38	-0.82
Billings, MT	CO	Maintenance	100	-	-55.07	-75.31	-123.72
Birmingham, AL	Ozone	Maintenance	100	-	-1.96	-2.75	-5.94
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-1.96	-2.76	-5.96
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-0.59	-0.83	-1.81
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-0.59	-0.83	-1.81
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.03	-0.04	-0.09
Boston, MA	CO	Maintenance	100	-	-1.59	-2.23	-4.86
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-9.43	-13.25	-28.84
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-1.19	-1.67	-3.64
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.02	-0.03	-0.06
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-2.15	-3.02	-6.58
Burlington, NJ	CO	Maintenance	100	-	-0.02	-0.02	-0.05
Butte, MT	PM ₁₀	Moderate	100	-	-0.04	-0.06	-0.12
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.03	-0.05	-0.11
Canton-Massillon, OH	Ozone	Maintenance	100	-	-3.12	-4.29	-7.45
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-3.12	-4.29	-7.45
Case County, MI	Ozone	Maintenance	100	-	-0.08	-0.11	-0.25
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.01	-0.02	-0.04
Charleston, WV	Ozone	Maintenance	100	-	-0.53	-0.74	-1.61
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-0.53	-0.74	-1.61
Charlotte, NC	CO	Maintenance	100	-	-1.33	-1.88	-4.08
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-3.00	-4.22	-9.17

Table B1-13
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Sulfur Dioxide (SO₂) 2021

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-1.02	-1.43	-3.12
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-0.93	-1.30	-2.83
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-264.40	-362.06	-604.04
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-264.84	-362.69	-605.40
Chico, CA	CO	Maintenance	100	-	-0.19	-0.26	-0.58
Chico, CA	Ozone	Former Subpart 1	50	-	-0.44	-0.62	-1.35
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-3.64	-5.12	-11.14
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-3.54	-4.97	-10.82
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.03	-0.04	-0.08
Clark County, NV	PM ₁₀	Serious	70	-	-2.67	-3.76	-8.18
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-0.47	-0.66	-1.45
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-0.34	-0.47	-1.03
Cleveland, OH	CO	Maintenance	100	-	-1.79	-2.51	-5.46
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-4.81	-6.76	-14.71
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-4.44	-6.24	-13.59
Coachella Valley, CA	PM ₁₀	Serious	70	-	-1.12	-1.57	-3.42
Colbert County, AL	SO _x	Maintenance	100	-	-0.11	-0.16	-0.35
Colorado Springs, CO	CO	Maintenance	100	-	-1.06	-1.50	-3.26
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.03
Columbia, SC	Ozone	Former Subpart 1	50	-	-1.20	-1.69	-3.68
Columbus, OH	Ozone	Maintenance	100	-	-3.05	-4.28	-9.32
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-2.82	-3.97	-8.64
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.01	-0.01	-0.02
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-1.79	-2.51	-5.46
Cuyahoga County, OH	SO _x	Maintenance	100	-	-1.45	-2.04	-4.45
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-12.55	-17.65	-38.40
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-1.57	-2.21	-4.81
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-1.39	-1.95	-4.25
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-33.45	-45.95	-79.49
Denver-Boulder, CO	CO	Maintenance	100	-	-33.22	-45.62	-78.77
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-34.56	-47.51	-82.88
Detroit, MI	CO	Maintenance	100	-	-12.31	-16.95	-30.09
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-21.23	-29.36	-54.63
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-21.07	-29.14	-54.14
Door County, WI	Ozone	Former Subpart 1	50	-	-0.07	-0.09	-0.21
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-0.07	-0.09	-0.20
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-0.05	-0.07	-0.16
Duluth, MN	CO	Maintenance	100	-	-0.15	-0.22	-0.47
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.02	-0.02	-0.05
East Chicago, IN	CO	Maintenance	100	-	-0.00	-0.00	-0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	-65.50	-89.58	-147.34
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.01
El Paso County, TX	PM ₁₀	Moderate	100	-	-8.37	-11.48	-19.51
El Paso, TX	CO	Maintenance	100	-	-0.06	-0.08	-0.18
Erie, PA	Ozone	Maintenance	100	-	-0.43	-0.60	-1.31
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.01

Table B1-13
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Sulfur Dioxide (SO₂) 2021

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Eugene-Springfield, OR	CO	Maintenance	100	-	-0.42	-0.59	-1.29
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-0.40	-0.57	-1.23
Evansville, IN	Ozone	Maintenance	100	-	-0.47	-0.66	-1.44
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-0.61	-0.85	-1.86
Fairbanks, AK	CO	Maintenance	100	-	-0.03	-0.04	-0.10
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-0.55	-0.77	-1.67
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.04
Flint, MI	Ozone	Maintenance	100	-	-0.97	-1.36	-2.97
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Fort Collins, CO	CO	Maintenance	100	-	-0.32	-0.45	-0.97
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	-0.67	-0.95	-2.06
Franklin County, PA	Ozone	Maintenance	100	-	-0.28	-0.39	-0.85
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	-0.24	-0.34	-0.74
Fredericksburg, VA	Ozone	Maintenance	100	-	-0.74	-1.04	-2.27
Freehold, NJ	CO	Maintenance	100	-	-0.03	-0.04	-0.09
Fresno, CA	CO	Maintenance	100	-	-1.06	-1.49	-3.25
Grand Rapids, MI	Ozone	Maintenance	100	-	-1.48	-2.08	-4.53
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-0.08	-0.11	-0.24
Grant County, NM	SO _x	Maintenance	100	-	-0.01	-0.01	-0.02
Grants Pass, OR	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.06	-0.08	-0.18
Great Falls, MT	CO	Maintenance	100	-	-0.04	-0.05	-0.11
Greater Connecticut, CT	Ozone	Moderate	50	-	-3.07	-4.32	-9.39
Greeley, CO	CO	Maintenance	100	-	-0.22	-0.32	-0.69
Green Bay, WI	SO _x	Maintenance	100	-	-0.23	-0.32	-0.69
Greene County, IN	Ozone	Maintenance	100	-	-0.09	-0.13	-0.28
Greene County, PA	Ozone	Maintenance	100	-	-0.09	-0.12	-0.26
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-3.02	-4.24	-9.23
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-1.50	-2.10	-4.58
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-1.68	-2.36	-5.14
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-0.04	-0.06	-0.13
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-0.21	-0.30	-0.65
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-1.56	-2.20	-4.78
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-1.44	-2.03	-4.42
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-1.99	-2.80	-6.10
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.02	-0.03	-0.05
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-0.07	-0.10	-0.21
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.01	-0.01	-0.03
Hazelwood, PA	SO _x	Maintenance	100	-	-0.08	-0.11	-0.23
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-0.34	-0.47	-1.03
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-0.55	-0.77	-1.68
Hollis Township, IL	SO _x	Maintenance	100	-	-0.00	-0.01	-0.01
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-122.89	-168.44	-284.22
Humphreys County, TN	SO _x	Maintenance	100	-	-0.01	-0.01	-0.02
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-6.77	-9.28	-15.67
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-6.51	-8.92	-14.88
Huron County, MI	Ozone	Maintenance	100	-	-0.05	-0.08	-0.16

Table B1-13
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Sulfur Dioxide (SO₂) 2021

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Imperial County, CA	Ozone	Moderate	50	-	-0.39	-0.55	-1.20
Imperial Valley, CA	PM ₁₀	Serious	70	-	-0.38	-0.54	-1.17
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-0.06	-0.09	-0.19
Indianapolis, IN	CO	Maintenance	100	-	-0.00	-0.00	-0.01
Indianapolis, IN	Ozone	Maintenance	100	-	-3.67	-5.16	-11.22
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-2.90	-4.08	-8.89
Jackson County, IN	Ozone	Maintenance	100	-	-0.15	-0.21	-0.45
Jamestown, NY	Ozone	Former Subpart 1	50	-	-0.29	-0.41	-0.89
Jefferson County, NY	Ozone	Moderate	50	-	-0.23	-0.32	-0.70
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.05
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-0.41	-0.57	-1.24
Johnstown, PA	Ozone	Maintenance	100	-	-0.20	-0.28	-0.60
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-0.21	-0.30	-0.66
Juneau, AK	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.06
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-0.94	-1.32	-2.88
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.05	-0.07	-0.16
Kansas City, MO-KS	Ozone	Maintenance	100	-	-3.05	-4.28	-9.32
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-0.26	-0.37	-0.80
Kent, WA	PM ₁₀	Maintenance	100	-	-0.04	-0.06	-0.14
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-0.15	-0.22	-0.47
Kewaunee County, WI	Ozone	Maintenance	100	-	-0.05	-0.06	-0.14
King County, WA	PM ₁₀	Maintenance	100	-	-0.02	-0.03	-0.06
Klamath Falls, OR	CO	Maintenance	100	-	-0.09	-0.13	-0.28
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.09	-0.13	-0.28
Knoxville, TN	Ozone	Former Subpart 1	50	-	-2.15	-3.02	-6.57
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-1.67	-2.35	-5.11
La Porte County, IN	SO _x	Maintenance	100	-	-0.07	-0.09	-0.20
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.03	-0.04	-0.09
Lake County, IN	SO _x	Maintenance	100	-	-0.57	-0.81	-1.75
Lake County, OH	SO _x	Maintenance	100	-	-0.07	-0.09	-0.20
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.04
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-0.05	-0.07	-0.15
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-0.11	-0.15	-0.33
Lake Tahoe, NV	CO	Maintenance	100	-	-0.04	-0.05	-0.11
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.02	-0.02	-0.05
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Lancaster, PA	Ozone	Maintenance	100	-	-0.83	-1.17	-2.54
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-0.83	-1.17	-2.54
Lane County, OR	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-0.88	-1.24	-2.70
LaPorte, IN	Ozone	Maintenance	100	-	-0.18	-0.26	-0.56
Las Vegas, NV	CO	Serious	100	-	-2.67	-3.76	-8.18
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-2.71	-3.82	-8.30
Lauderdale County, AL	SO _x	Maintenance	100	-	-0.17	-0.23	-0.51
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.01
Libby, MT	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.03
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.01	-0.02	-0.03
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.03	-0.04	-0.08
Lima, OH	Ozone	Maintenance	100	-	-41.29	-56.48	-92.86

Table B1-13
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Sulfur Dioxide (SO₂) 2021

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Longmont, CO	CO	Maintenance	100	-	-0.16	-0.23	-0.50
Lorain County, OH	SO _x	Maintenance	100	-	-0.09	-0.12	-0.26
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-115.36	-158.82	-281.55
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	-115.36	-158.82	-281.55
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-115.36	-158.82	-281.55
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-115.36	-158.82	-281.55
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-115.36	-158.82	-281.54
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-1.25	-1.76	-3.83
Louisville, KY-IN	Ozone	Maintenance	100	-	-2.10	-2.96	-6.44
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-2.04	-2.87	-6.25
Lowell, MA	CO	Maintenance	100	-	-0.21	-0.29	-0.64
Lucas County, OH	SO _x	Maintenance	100	-	-0.56	-0.79	-1.73
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.12	-0.16	-0.36
Macon, GA	Ozone	Maintenance	100	-	-0.40	-0.56	-1.22
Macon, GA	PM _{2.5}	Nonattainment	100	-	-0.39	-0.55	-1.20
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.01	-0.01	-0.02
Madison, WI	SO _x	Maintenance	100	-	-0.44	-0.62	-1.34
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.02	-0.02	-0.05
Manchester, NH	CO	Maintenance	100	-	-0.15	-0.21	-0.45
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-0.19	-0.27	-0.58
Marion County, IN	SO _x	Maintenance	100	-	-0.59	-0.83	-1.80
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-0.20	-0.28	-0.60
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-0.59	-0.83	-1.80
Mason County, MI	Ozone	Maintenance	100	-	-0.05	-0.07	-0.15
Medford, OR	CO	Maintenance	100	-	-0.14	-0.20	-0.43
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-0.33	-0.47	-1.01
Memphis, TN-AR	Ozone	Maintenance	100	-	-3.40	-4.72	-9.15
Memphis, TN	CO	Maintenance	100	-	-3.24	-4.50	-8.68
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-0.05	-0.07	-0.16
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.01	-0.01	-0.03
Milwaukee, WI	SO _x	Maintenance	100	-	-0.99	-1.40	-3.04
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-3.28	-4.61	-10.04
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-13.44	-18.58	-34.47
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-5.13	-7.21	-15.70
Missoula, MT	CO	Maintenance	100	-	-0.11	-0.16	-0.34
Missoula, MT	PM ₁₀	Moderate	100	-	-0.11	-0.15	-0.33
Modesto, CA	CO	Maintenance	100	-	-0.54	-0.77	-1.67
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-0.18	-0.26	-0.56
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.01	-0.01	-0.02
Morristown, NJ	CO	Maintenance	100	-	-0.06	-0.08	-0.18
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.05	-0.08	-0.17
Muncie, IN	Ozone	Maintenance	100	-	-0.22	-0.31	-0.68
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.01	-0.01	-0.02
Muscatine County, IA	SO _x	Maintenance	100	-	-0.03	-0.04	-0.09
Muskegon, MI	Ozone	Maintenance	100	-	-0.24	-0.34	-0.73
Nashua, NH	CO	Maintenance	100	-	-0.12	-0.16	-0.36
Nashville, TN	Ozone	Former Subpart 1	50	-	-2.98	-4.20	-9.13

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Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
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Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-0.24	-0.34	-0.73
New Haven County, CT	PM ₁₀	Maintenance	100	-	-0.25	-0.35	-0.77
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-1.47	-2.07	-4.50
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.01	-0.02	-0.03
New York County, NY	PM ₁₀	Moderate	100	-	-0.86	-1.22	-2.64
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-21.89	-30.49	-61.00
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-36.36	-50.78	-104.03
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-36.13	-50.45	-103.33
Nogales, AZ	PM ₁₀	Moderate	100	-	-0.07	-0.10	-0.23
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-19.75	-27.12	-46.72
Ogden, UT	CO	Maintenance	100	-	-0.13	-0.18	-0.40
Ogden, UT	PM ₁₀	Moderate	100	-	-0.13	-0.18	-0.40
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.01
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.04	-0.06	-0.12
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-0.19	-0.27	-0.59
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.01	-0.01	-0.02
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-0.27	-0.38	-0.83
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.27	-0.39	-0.84
Payson, AZ	PM ₁₀	Maintenance	100	-	-0.04	-0.05	-0.11
Penns Grove, NJ	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	-0.19	-0.26	-0.58
Perth Amboy, NJ	CO	Maintenance	100	-	-1.67	-2.29	-3.86
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-0.74	-1.04	-2.27
Philadelaphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-70.27	-96.41	-164.46
Phildelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-74.12	-101.82	-176.23
Phoenix, AZ	CO	Maintenance	100	-	-8.10	-11.39	-24.79
Phoenix, AZ	PM ₁₀	Serious	70	-	-8.36	-11.75	-25.58
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-8.39	-11.80	-25.67
Pierce County, WA	PM ₁₀	Maintenance	100	-	-0.02	-0.03	-0.06
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Pittsburgh, PA	CO	Maintenance	100	-	-0.04	-0.06	-0.13
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-3.79	-5.33	-11.58
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-3.47	-4.88	-10.59
Polk County, TN	SO _x	Maintenance	100	-	-0.04	-0.06	-0.12
Polson, MT	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.02
Portland, ME	Ozone	Maintenance	100	-	-1.04	-1.46	-3.17
Portland, OR	CO	Maintenance	100	-	-2.31	-3.25	-6.95
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.08	-0.12	-0.25
Poughkeepsie, NY	Ozone	Moderate	50	-	-2.45	-3.44	-7.49
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.02	-0.02	-0.05
Providence (entire State), RI	Ozone	Moderate	50	-	-1.81	-2.54	-5.53
Provo, UT	CO	Maintenance	100	-	-0.29	-0.41	-0.89
Raleigh-Durham, NC	CO	Maintenance	100	-	-2.36	-3.31	-7.21
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-3.22	-4.52	-9.84
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.01

Table B1-13
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Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Reading, PA	Ozone	Maintenance	100	-	-0.62	-0.87	-1.89
Reading, PA	PM _{2.5}	Nonattainment	100	-	-0.62	-0.87	-1.89
Reno, NV	CO	Maintenance	100	-	-0.45	-0.63	-1.38
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-2.27	-3.19	-6.94
Rillito, AZ	PM ₁₀	Moderate	100	-	-0.09	-0.12	-0.26
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-1.12	-1.57	-3.42
Roanoke, VA	Ozone	Former Subpart 1	50	-	-0.49	-0.69	-1.50
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-0.15	-0.21	-0.45
Rochester, NY	Ozone	Former Subpart 1	50	-	-2.48	-3.49	-7.60
Rocky Mount, NC	Ozone	Maintenance	100	-	-0.35	-0.49	-1.07
Rome, GA	PM _{2.5}	Nonattainment	100	-	-0.22	-0.31	-0.68
Ronan, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.00	-0.01	-0.01
Sacramento County, CA	PM ₁₀	Moderate	100	-	-2.64	-3.71	-8.07
Sacramento Metro, CA	Ozone	Severe	25	-	-4.70	-6.61	-14.38
Sacramento, CA	CO	Maintenance	100	-	-2.93	-4.12	-8.97
Salem, OR	CO	Maintenance	100	-	-0.24	-0.34	-0.75
Salt Lake City, UT	CO	Maintenance	100	-	-1.62	-2.23	-3.96
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-3.12	-4.34	-8.55
Salt Lake County, UT	SO _x	Nonattainment	100	-	-1.89	-2.65	-5.77
San Antonio, TX	Ozone	Former Subpart 1	50	-	-3.39	-4.77	-10.37
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-0.77	-1.09	-2.37
San Diego, CA	CO	Maintenance	100	-	-7.39	-10.39	-22.61
San Diego, CA	Ozone	Former Subpart 1	50	-	-7.40	-10.41	-22.65
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-257.52	-352.61	-587.49
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-259.08	-354.81	-592.26
San Joaquin Valley, CA	Ozone	Extreme	10	-	-10.63	-14.85	-30.42
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-10.67	-14.90	-30.54
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-10.63	-14.85	-30.42
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-0.06	-0.08	-0.18
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-1.24	-1.75	-3.80
Seattle-Tacoma, WA	CO	Maintenance	100	-	-5.44	-7.64	-16.63
Sheboygan, WI	Ozone	Moderate	50	-	-0.22	-0.31	-0.67
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.04	-0.06	-0.12
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	-0.03	-0.04	-0.10
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-0.84	-1.18	-2.57
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-0.34	-0.47	-1.03
Spokane County, WA	PM ₁₀	Maintenance	100	-	-0.54	-0.76	-1.65
Spokane, WA	CO	Maintenance	100	-	-0.54	-0.75	-1.64
Springfield (western MA), MA	Ozone	Moderate	50	-	-1.66	-2.33	-5.07
Springfield, MA	CO	Maintenance	100	-	-0.26	-0.37	-0.81
St Louis, MO	CO	Maintenance	100	-	-1.76	-2.48	-5.39
St Louis, MO-IL	Ozone	Moderate	50	-	-215.68	-295.16	-488.65
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-215.64	-295.10	-488.54
State College, PA	Ozone	Maintenance	100	-	-0.31	-0.44	-0.95

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.03	-0.05	-0.10
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.08	-0.11	-0.25
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-1.98	-2.72	-4.60
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-1.98	-2.72	-4.60
Stockton, CA	CO	Maintenance	100	-	-0.82	-1.15	-2.51
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-0.96	-1.35	-2.94
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Terre Haute, IN	Ozone	Maintenance	100	-	-0.25	-0.35	-0.77
Tioga County, PA	Ozone	Maintenance	100	-	-0.11	-0.15	-0.33
Toledo, OH	Ozone	Maintenance	100	-	-12.64	-17.32	-29.21
Toms River, NJ	CO	Maintenance	100	-	-0.18	-0.25	-0.55
Tooele County, UT	SO _x	Nonattainment	100	-	-0.18	-0.26	-0.57
Trenton, NJ	CO	Maintenance	100	-	-0.16	-0.23	-0.50
Trona, CA	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.02
Tucson, AZ	CO	Maintenance	100	-	-1.80	-2.53	-5.50
Utah County, UT	PM ₁₀	Moderate	100	-	-0.88	-1.23	-2.68
Vancouver, WA	CO	Maintenance	100	-	-0.55	-0.78	-1.69
Ventura County, CA	Ozone	Serious	50	-	-1.62	-2.27	-4.85
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.04
Vigo County, IN	SO _x	Maintenance	100	-	-0.25	-0.35	-0.77
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-0.11	-0.15	-0.32
Warren County, NJ	SO _x	Maintenance	100	-	-0.07	-0.09	-0.20
Warren County, PA	SO _x	Nonattainment	100	-	-0.03	-0.04	-0.08
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-0.40	-0.56	-1.21
Washington, DC-MD-VA	CO	Maintenance	100	-	-2.89	-4.06	-8.83
Washington, DC-MD-VA	Ozone	Moderate	50	-	-9.79	-13.77	-29.97
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-9.60	-13.49	-29.36
Washoe County, NV	PM ₁₀	Serious	70	-	-0.45	-0.63	-1.38
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.01	-0.01	-0.02
Wayne County, IN	SO _x	Maintenance	100	-	-0.14	-0.19	-0.42
Wayne County, MI	PM ₁₀	Maintenance	100	-	-4.21	-5.76	-9.56
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.02	-0.03	-0.06
Weirton, WV	SO _x	Maintenance	100	-	-0.02	-0.03	-0.07
Wheeling, WV-OH	Ozone	Maintenance	100	-	-0.29	-0.40	-0.87
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.29	-0.40	-0.87
Winston-Salem, NC	CO	Maintenance	100	-	-0.76	-1.06	-2.32
Worcester, MA	CO	Maintenance	100	-	-0.39	-0.55	-1.21
Yakima County, WA	PM ₁₀	Maintenance	100	-	-0.17	-0.24	-0.52
Yakima, WA	CO	Maintenance	100	-	-0.07	-0.10	-0.21
York, PA	Ozone	Maintenance	100	-	-0.81	-1.14	-2.49
York, PA	PM _{2.5}	Nonattainment	100	-	-0.63	-0.89	-1.94
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-1.21	-1.70	-3.71
Yuma, AZ	PM ₁₀	Moderate	100	-	-0.33	-0.47	-1.02

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

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

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

Source: EPA, 2008.

Table B1-14
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.01	-0.01	-0.03
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.05
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.02	-0.03	-0.06
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-5.78	-9.33	-16.52
Albuquerque, NM	CO	Maintenance	100	-	-2.66	-4.30	-7.61
Allegan County, MI	Ozone	Former Subpart 1	50	-	-0.66	-1.06	-1.88
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-2.68	-4.33	-7.66
Altoona, PA	Ozone	Maintenance	100	-	-0.49	-0.79	-1.35
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-0.75	-1.21	-2.15
Anchorage, AK	CO	Maintenance	100	-	-0.64	-1.04	-1.84
Anthony, NM	PM ₁₀	Moderate	100	-	-0.03	-0.05	-0.10
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.02	-0.04	-0.06
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.03	-0.05	-0.09
Atlanta, GA	Ozone	Moderate	50	-	-30.28	-48.90	-86.56
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-30.30	-48.93	-86.61
Atlantic City, NJ	CO	Maintenance	100	-	-0.23	-0.38	-0.66
Bakersfield, CA	CO	Maintenance	100	-	-8.22	-11.68	-11.11
Baltimore, MD	CO	Maintenance	100	-	-0.05	-0.07	-0.13
Baltimore, MD	Ozone	Moderate	50	-	-13.51	-21.83	-38.64
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-13.51	-21.83	-38.64
Baton Rouge, LA	Ozone	Moderate	50	-	-70.33	-96.44	-67.47
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-934.25	-1,270.65	-814.53
Benton County, TN	SO _x	Maintenance	100	-	-0.01	-0.01	-0.01
Benton Harbor, MI	Ozone	Maintenance	100	-	-0.81	-1.31	-2.33
Benzie County, MI	Ozone	Maintenance	100	-	-0.10	-0.17	-0.30
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-0.66	-1.07	-1.90
Billings, MT	CO	Maintenance	100	-	-132.78	-180.61	-115.91
Birmingham, AL	Ozone	Maintenance	100	-	-4.73	-7.60	-13.23
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-4.74	-7.62	-13.27
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-1.47	-2.37	-4.20
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-1.47	-2.37	-4.20
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.08	-0.12	-0.22
Boston, MA	CO	Maintenance	100	-	-3.85	-6.22	-11.02
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-23.08	-37.27	-65.97
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-2.94	-4.75	-8.40
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.04	-0.07	-0.13
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-5.21	-8.42	-14.90
Burlington, NJ	CO	Maintenance	100	-	-0.04	-0.06	-0.11
Butte, MT	PM ₁₀	Moderate	100	-	-0.09	-0.15	-0.27
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.09	-0.14	-0.25
Canton-Massillon, OH	Ozone	Maintenance	100	-	-7.51	-10.55	-9.17
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-7.51	-10.55	-9.17
Case County, MI	Ozone	Maintenance	100	-	-0.20	-0.32	-0.56
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.00	-0.01	-0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.03	-0.05	-0.08
Charleston, WV	Ozone	Maintenance	100	-	-1.25	-2.02	-3.57

Table B1-14
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-1.25	-2.02	-3.57
Charlotte, NC	CO	Maintenance	100	-	-3.33	-5.38	-9.52
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-7.44	-12.02	-21.28
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-2.47	-3.99	-7.06
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-2.25	-3.63	-6.43
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-638.18	-875.82	-617.50
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-639.26	-877.57	-620.61
Chico, CA	CO	Maintenance	100	-	-0.49	-0.79	-1.41
Chico, CA	Ozone	Former Subpart 1	50	-	-1.13	-1.83	-3.24
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-8.91	-14.39	-25.46
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-8.65	-13.97	-24.72
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.06	-0.10	-0.18
Clark County, NV	PM ₁₀	Serious	70	-	-6.79	-10.97	-19.42
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-1.17	-1.89	-3.35
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-0.81	-1.31	-2.33
Cleveland, OH	CO	Maintenance	100	-	-4.22	-6.82	-12.08
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-11.63	-18.78	-33.24
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-10.72	-17.31	-30.65
Coachella Valley, CA	PM ₁₀	Serious	70	-	-2.89	-4.67	-8.27
Colbert County, AL	SO _x	Maintenance	100	-	-0.27	-0.44	-0.77
Colorado Springs, CO	CO	Maintenance	100	-	-2.67	-4.32	-7.64
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.02	-0.04	-0.07
Columbia, SC	Ozone	Former Subpart 1	50	-	-2.94	-4.75	-8.41
Columbus, OH	Ozone	Maintenance	100	-	-7.60	-12.27	-21.72
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-7.05	-11.38	-20.15
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.02	-0.02	-0.04
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-4.22	-6.82	-12.08
Cuyahoga County, OH	SO _x	Maintenance	100	-	-3.45	-5.58	-9.88
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-31.53	-50.92	-90.14
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-3.77	-6.09	-10.79
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-3.34	-5.39	-9.53
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-81.13	-113.76	-97.29
Denver-Boulder, CO	CO	Maintenance	100	-	-80.55	-112.81	-95.61
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-83.91	-118.24	-105.22
Detroit, MI	CO	Maintenance	100	-	-29.43	-41.85	-39.84
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-51.42	-75.26	-86.25
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-51.04	-74.63	-85.14
Door County, WI	Ozone	Former Subpart 1	50	-	-0.17	-0.27	-0.48
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-0.16	-0.26	-0.46
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-0.13	-0.20	-0.36
Duluth, MN	CO	Maintenance	100	-	-0.37	-0.59	-1.05
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.04	-0.06	-0.11
East Chicago, IN	CO	Maintenance	100	-	-0.00	-0.01	-0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	-157.92	-214.94	-138.92
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.00	-0.01	-0.01
El Paso County, TX	PM ₁₀	Moderate	100	-	-20.23	-28.06	-21.93
El Paso, TX	CO	Maintenance	100	-	-0.14	-0.23	-0.40

Table B1-14
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Erie, PA	Ozone	Maintenance	100	-	-1.03	-1.66	-2.94
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.01	-0.01	-0.02
Eugene-Springfield, OR	CO	Maintenance	100	-	-1.04	-1.68	-2.97
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-0.99	-1.61	-2.84
Evansville, IN	Ozone	Maintenance	100	-	-1.14	-1.85	-3.27
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-1.47	-2.38	-4.21
Fairbanks, AK	CO	Maintenance	100	-	-0.08	-0.13	-0.22
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-1.33	-2.15	-3.81
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.03	-0.05	-0.09
Flint, MI	Ozone	Maintenance	100	-	-2.35	-3.79	-6.70
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.01
Fort Collins, CO	CO	Maintenance	100	-	-0.80	-1.29	-2.28
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	-1.65	-2.66	-4.71
Franklin County, PA	Ozone	Maintenance	100	-	-0.69	-1.11	-1.97
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.00	-0.01	-0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	-0.59	-0.95	-1.69
Fredericksburg, VA	Ozone	Maintenance	100	-	-1.88	-3.03	-5.36
Freehold, NJ	CO	Maintenance	100	-	-0.08	-0.13	-0.22
Fresno, CA	CO	Maintenance	100	-	-2.67	-4.31	-7.62
Grand Rapids, MI	Ozone	Maintenance	100	-	-3.67	-5.93	-10.49
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-0.18	-0.30	-0.53
Grant County, NM	SO _x	Maintenance	100	-	-0.01	-0.02	-0.03
Grants Pass, OR	CO	Maintenance	100	-	-0.00	-0.00	-0.01
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.15	-0.24	-0.43
Great Falls, MT	CO	Maintenance	100	-	-0.09	-0.14	-0.25
Greater Connecticut, CT	Ozone	Moderate	50	-	-7.42	-11.99	-21.22
Greeley, CO	CO	Maintenance	100	-	-0.56	-0.90	-1.59
Green Bay, WI	SO _x	Maintenance	100	-	-0.56	-0.90	-1.59
Greene County, IN	Ozone	Maintenance	100	-	-0.22	-0.35	-0.63
Greene County, PA	Ozone	Maintenance	100	-	-0.20	-0.33	-0.59
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-7.33	-11.84	-20.96
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-3.62	-5.85	-10.36
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-4.05	-6.54	-11.58
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-0.10	-0.16	-0.29
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-0.52	-0.84	-1.49
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-3.87	-6.24	-11.05
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-3.57	-5.76	-10.20
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-4.80	-7.76	-13.73
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.05	-0.07	-0.13
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-0.18	-0.29	-0.51
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.02	-0.04	-0.06
Hazelwood, PA	SO _x	Maintenance	100	-	-0.18	-0.29	-0.52
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-0.80	-1.30	-2.30
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-1.32	-2.14	-3.79
Hollis Township, IL	SO _x	Maintenance	100	-	-0.01	-0.02	-0.03
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-296.92	-410.19	-308.36
Humphreys County, TN	SO _x	Maintenance	100	-	-0.01	-0.02	-0.04

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Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-16.32	-22.54	-16.89
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-15.69	-21.53	-15.10
Huron County, MI	Ozone	Maintenance	100	-	-0.13	-0.21	-0.37
Imperial County, CA	Ozone	Moderate	50	-	-0.99	-1.60	-2.83
Imperial Valley, CA	PM ₁₀	Serious	70	-	-0.97	-1.57	-2.77
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-0.15	-0.24	-0.43
Indianapolis, IN	CO	Maintenance	100	-	-0.00	-0.01	-0.01
Indianapolis, IN	Ozone	Maintenance	100	-	-9.06	-14.63	-25.89
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-7.18	-11.59	-20.52
Jackson County, IN	Ozone	Maintenance	100	-	-0.36	-0.58	-1.02
Jamestown, NY	Ozone	Former Subpart 1	50	-	-0.70	-1.13	-2.00
Jefferson County, NY	Ozone	Moderate	50	-	-0.56	-0.90	-1.59
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.03	-0.06	-0.10
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-0.98	-1.58	-2.80
Johnstown, PA	Ozone	Maintenance	100	-	-0.46	-0.74	-1.30
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-0.50	-0.81	-1.43
Juneau, AK	PM ₁₀	Moderate	100	-	-0.05	-0.08	-0.14
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-2.28	-3.68	-6.51
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.13	-0.21	-0.38
Kansas City, MO-KS	Ozone	Maintenance	100	-	-7.53	-12.16	-21.53
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-0.65	-1.05	-1.85
Kent, WA	PM ₁₀	Maintenance	100	-	-0.11	-0.18	-0.32
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-0.37	-0.60	-1.07
Kewaunee County, WI	Ozone	Maintenance	100	-	-0.11	-0.18	-0.32
King County, WA	PM ₁₀	Maintenance	100	-	-0.05	-0.07	-0.13
Klamath Falls, OR	CO	Maintenance	100	-	-0.22	-0.36	-0.64
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.22	-0.36	-0.64
Knoxville, TN	Ozone	Former Subpart 1	50	-	-5.37	-8.68	-15.36
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-4.16	-6.71	-11.88
La Porte County, IN	SO _x	Maintenance	100	-	-0.16	-0.25	-0.45
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.07	-0.11	-0.19
Lake County, IN	SO _x	Maintenance	100	-	-1.37	-2.22	-3.92
Lake County, OH	SO _x	Maintenance	100	-	-0.16	-0.26	-0.46
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.03	-0.04	-0.08
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-0.13	-0.21	-0.38
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-0.28	-0.46	-0.81
Lake Tahoe, NV	CO	Maintenance	100	-	-0.09	-0.15	-0.26
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.04	-0.06	-0.11
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.02
Lancaster, PA	Ozone	Maintenance	100	-	-2.04	-3.29	-5.82
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-2.04	-3.29	-5.82
Lane County, OR	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.02
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-2.15	-3.48	-6.16
LaPorte, IN	Ozone	Maintenance	100	-	-0.44	-0.71	-1.25
Las Vegas, NV	CO	Serious	100	-	-6.79	-10.97	-19.42
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-6.89	-11.13	-19.71
Lauderdale County, AL	SO _x	Maintenance	100	-	-0.40	-0.64	-1.13
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.01	-0.01	-0.02
Libby, MT	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.06

Table B1-14
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.03	-0.04	-0.08
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.06	-0.10	-0.18
Lima, OH	Ozone	Maintenance	100	-	-99.56	-135.49	-87.40
Longmont, CO	CO	Maintenance	100	-	-0.41	-0.67	-1.18
Lorain County, OH	SO _x	Maintenance	100	-	-0.21	-0.33	-0.59
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-280.26	-398.67	-380.63
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	-280.26	-398.67	-380.63
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-280.26	-398.67	-380.63
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-280.26	-398.67	-380.64
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-280.25	-398.66	-380.62
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-3.13	-5.05	-8.93
Louisville, KY-IN	Ozone	Maintenance	100	-	-5.09	-8.23	-14.56
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-4.93	-7.96	-14.09
Lowell, MA	CO	Maintenance	100	-	-0.51	-0.83	-1.47
Lucas County, OH	SO _x	Maintenance	100	-	-1.35	-2.18	-3.85
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.28	-0.45	-0.80
Macon, GA	Ozone	Maintenance	100	-	-0.95	-1.53	-2.70
Macon, GA	PM _{2.5}	Nonattainment	100	-	-0.94	-1.51	-2.67
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.01	-0.02	-0.04
Madison, WI	SO _x	Maintenance	100	-	-1.11	-1.79	-3.17
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.04	-0.07	-0.12
Manchester, NH	CO	Maintenance	100	-	-0.35	-0.56	-1.00
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-0.46	-0.74	-1.31
Marion County, IN	SO _x	Maintenance	100	-	-1.41	-2.28	-4.03
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-0.51	-0.82	-1.46
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-1.44	-2.33	-4.12
Mason County, MI	Ozone	Maintenance	100	-	-0.12	-0.19	-0.34
Medford, OR	CO	Maintenance	100	-	-0.35	-0.57	-1.01
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-0.84	-1.36	-2.41
Memphis, TN-AR	Ozone	Maintenance	100	-	-8.16	-12.25	-16.05
Memphis, TN	CO	Maintenance	100	-	-7.80	-11.66	-15.02
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-0.13	-0.21	-0.38
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.02	-0.04	-0.07
Milwaukee, WI	SO _x	Maintenance	100	-	-2.38	-3.85	-6.82
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-8.04	-12.99	-22.99
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-32.71	-47.79	-54.31
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-12.66	-20.45	-36.19
Missoula, MT	CO	Maintenance	100	-	-0.28	-0.45	-0.79
Missoula, MT	PM ₁₀	Moderate	100	-	-0.27	-0.43	-0.77
Modesto, CA	CO	Maintenance	100	-	-1.40	-2.26	-3.99
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-0.47	-0.76	-1.34
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.02
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.02	-0.02	-0.04
Morristown, NJ	CO	Maintenance	100	-	-0.15	-0.24	-0.42
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.13	-0.21	-0.37
Muncie, IN	Ozone	Maintenance	100	-	-0.52	-0.84	-1.49
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.02	-0.03	-0.06
Muscatine County, IA	SO _x	Maintenance	100	-	-0.07	-0.11	-0.20
Muskegon, MI	Ozone	Maintenance	100	-	-0.58	-0.94	-1.67
Nashua, NH	CO	Maintenance	100	-	-0.28	-0.45	-0.80

Table B1-14
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Nashville, TN	Ozone	Former Subpart 1	50	-	-7.40	-11.95	-21.15
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-0.64	-1.03	-1.82
New Haven County, CT	PM ₁₀	Maintenance	100	-	-0.63	-1.01	-1.80
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-3.55	-5.73	-10.14
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.03	-0.04	-0.08
New York County, NY	PM ₁₀	Moderate	100	-	-2.06	-3.33	-5.89
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-52.95	-81.02	-116.28
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-88.39	-137.32	-210.26
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-87.82	-136.40	-208.64
Nogales, AZ	PM ₁₀	Moderate	100	-	-0.18	-0.30	-0.53
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-47.68	-66.64	-55.53
Ogden, UT	CO	Maintenance	100	-	-0.32	-0.51	-0.91
Ogden, UT	PM ₁₀	Moderate	100	-	-0.32	-0.51	-0.91
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.03
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.10	-0.15	-0.27
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-0.48	-0.78	-1.39
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.02	-0.03	-0.05
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-0.65	-1.06	-1.87
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.66	-1.06	-1.88
Payson, AZ	PM ₁₀	Maintenance	100	-	-0.09	-0.14	-0.25
Penns Grove, NJ	CO	Maintenance	100	-	-0.00	-0.00	-0.01
Peoria, IL	SO _x	Maintenance	100	-	-0.45	-0.73	-1.29
Perth Amboy, NJ	CO	Maintenance	100	-	-4.04	-5.58	-4.21
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-1.76	-2.84	-5.03
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-169.54	-235.62	-187.03
Philidelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-178.94	-250.80	-213.90
Phoenix, AZ	CO	Maintenance	100	-	-21.29	-34.39	-60.86
Phoenix, AZ	PM ₁₀	Serious	70	-	-21.94	-35.43	-62.72
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-22.01	-35.55	-62.93
Pierce County, WA	PM ₁₀	Maintenance	100	-	-0.05	-0.08	-0.14
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.02
Pittsburgh, PA	CO	Maintenance	100	-	-0.10	-0.17	-0.30
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-9.14	-14.74	-25.93
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-8.36	-13.48	-23.70
Polk County, TN	SO _x	Maintenance	100	-	-0.09	-0.15	-0.27
Polson, MT	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.04
Portland, ME	Ozone	Maintenance	100	-	-2.53	-4.09	-7.24
Portland, OR	CO	Maintenance	100	-	-5.62	-8.98	-15.30
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.20	-0.32	-0.57
Poughkeepsie, NY	Ozone	Moderate	50	-	-6.17	-9.96	-17.64
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.04	-0.07	-0.12
Providence (entire State), RI	Ozone	Moderate	50	-	-4.44	-7.18	-12.71
Provo, UT	CO	Maintenance	100	-	-0.74	-1.19	-2.10
Raleigh-Durham, NC	CO	Maintenance	100	-	-5.89	-9.52	-16.85

Table B1-14
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-8.04	-12.98	-22.97
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.03
Reading, PA	Ozone	Maintenance	100	-	-1.50	-2.43	-4.30
Reading, PA	PM _{2.5}	Nonattainment	100	-	-1.50	-2.43	-4.30
Reno, NV	CO	Maintenance	100	-	-1.10	-1.78	-3.15
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.00	-0.01	-0.01
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-5.53	-8.93	-15.80
Rillito, AZ	PM ₁₀	Moderate	100	-	-0.22	-0.36	-0.63
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-2.89	-4.67	-8.27
Roanoke, VA	Ozone	Former Subpart 1	50	-	-1.18	-1.91	-3.38
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-0.36	-0.59	-1.04
Rochester, NY	Ozone	Former Subpart 1	50	-	-6.04	-9.76	-17.27
Rocky Mount, NC	Ozone	Maintenance	100	-	-0.84	-1.35	-2.40
Rome, GA	PM _{2.5}	Nonattainment	100	-	-0.54	-0.88	-1.55
Ronan, MT	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.01
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.01	-0.02	-0.03
Sacramento County, CA	PM ₁₀	Moderate	100	-	-6.76	-10.91	-19.32
Sacramento Metro, CA	Ozone	Severe	25	-	-12.15	-19.63	-34.74
Sacramento, CA	CO	Maintenance	100	-	-7.54	-12.18	-21.56
Salem, OR	CO	Maintenance	100	-	-0.59	-0.96	-1.69
Salt Lake City, UT	CO	Maintenance	100	-	-3.94	-5.60	-5.33
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-7.63	-11.56	-15.88
Salt Lake County, UT	SO _x	Nonattainment	100	-	-4.65	-7.51	-13.29
San Antonio, TX	Ozone	Former Subpart 1	50	-	-8.40	-13.56	-23.99
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-1.94	-3.14	-5.56
San Diego, CA	CO	Maintenance	100	-	-18.77	-30.32	-53.66
San Diego, CA	Ozone	Former Subpart 1	50	-	-18.81	-30.37	-53.76
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-621.95	-852.99	-597.45
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-625.80	-859.20	-608.45
San Joaquin Valley, CA	Ozone	Extreme	10	-	-26.77	-41.65	-64.16
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-26.86	-41.79	-64.40
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-26.77	-41.65	-64.16
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-0.15	-0.25	-0.43
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-3.02	-4.88	-8.63
Seattle-Tacoma, WA	CO	Maintenance	100	-	-13.49	-21.80	-38.58
Sheboygan, WI	Ozone	Moderate	50	-	-0.54	-0.87	-1.53
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.10	-0.16	-0.28
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	-0.08	-0.13	-0.22
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-2.04	-3.29	-5.83
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-0.79	-1.27	-2.25
Spokane County, WA	PM ₁₀	Maintenance	100	-	-1.34	-2.17	-3.83
Spokane, WA	CO	Maintenance	100	-	-1.33	-2.14	-3.79
Springfield (western MA), MA	Ozone	Moderate	50	-	-4.03	-6.51	-11.52
Springfield, MA	CO	Maintenance	100	-	-0.65	-1.05	-1.86
St Louis, MO	CO	Maintenance	100	-	-4.13	-6.68	-11.82
St Louis, MO-IL	Ozone	Moderate	50	-	-519.99	-710.39	-477.95

Table B1-14
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-519.90	-710.25	-477.70
State College, PA	Ozone	Maintenance	100	-	-0.77	-1.25	-2.20
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.08	-0.13	-0.24
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.19	-0.31	-0.55
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-4.78	-6.61	-5.01
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-4.78	-6.61	-5.01
Stockton, CA	CO	Maintenance	100	-	-2.10	-3.39	-6.00
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-2.32	-3.74	-6.62
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.02
Terre Haute, IN	Ozone	Maintenance	100	-	-0.59	-0.96	-1.70
Tioga County, PA	Ozone	Maintenance	100	-	-0.25	-0.41	-0.73
Toledo, OH	Ozone	Maintenance	100	-	-30.47	-42.06	-31.37
Toms River, NJ	CO	Maintenance	100	-	-0.45	-0.72	-1.28
Tooele County, UT	SO _x	Nonattainment	100	-	-0.46	-0.74	-1.30
Trenton, NJ	CO	Maintenance	100	-	-0.40	-0.64	-1.14
Trona, CA	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.04
Tucson, AZ	CO	Maintenance	100	-	-4.49	-7.25	-12.83
Utah County, UT	PM ₁₀	Moderate	100	-	-2.19	-3.54	-6.26
Vancouver, WA	CO	Maintenance	100	-	-1.40	-2.27	-4.01
Ventura County, CA	Ozone	Serious	50	-	-4.10	-6.55	-11.12
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.03	-0.05	-0.09
Vigo County, IN	SO _x	Maintenance	100	-	-0.59	-0.96	-1.70
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-0.25	-0.41	-0.73
Warren County, NJ	SO _x	Maintenance	100	-	-0.16	-0.26	-0.46
Warren County, PA	SO _x	Nonattainment	100	-	-0.06	-0.10	-0.18
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-0.96	-1.55	-2.74
Washington, DC-MD-VA	CO	Maintenance	100	-	-7.07	-11.41	-20.20
Washington, DC-MD-VA	Ozone	Moderate	50	-	-24.37	-39.37	-69.68
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-23.87	-38.55	-68.22
Washoe County, NV	PM ₁₀	Serious	70	-	-1.10	-1.78	-3.15
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.02	-0.03	-0.05
Wayne County, IN	SO _x	Maintenance	100	-	-0.32	-0.52	-0.92
Wayne County, MI	PM ₁₀	Maintenance	100	-	-10.21	-13.96	-9.52
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.04	-0.07	-0.12
Weirton, WV	SO _x	Maintenance	100	-	-0.06	-0.09	-0.16
Wheeling, WV-OH	Ozone	Maintenance	100	-	-0.67	-1.09	-1.93
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.67	-1.09	-1.93
Winston-Salem, NC	CO	Maintenance	100	-	-1.85	-2.99	-5.30
Worcester, MA	CO	Maintenance	100	-	-0.98	-1.59	-2.81
Yakima County, WA	PM ₁₀	Maintenance	100	-	-0.42	-0.68	-1.20
Yakima, WA	CO	Maintenance	100	-	-0.17	-0.28	-0.49
York, PA	Ozone	Maintenance	100	-	-2.01	-3.24	-5.74

Table B1-14
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
York, PA	PM _{2.5}	Nonattainment	100	-	-1.56	-2.52	-4.47
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-2.88	-4.65	-8.23
Yuma, AZ	PM ₁₀	Moderate	100	-	-0.84	-1.35	-2.40

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

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

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

Source: EPA, 2008.

Table B1-15
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.02	-0.04	-0.06
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.05	-0.09	-0.14
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.05	-0.09	-0.14
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-14.70	-27.02	-41.83
Albuquerque, NM	CO	Maintenance	100	-	-6.69	-12.29	-19.03
Allegan County, MI	Ozone	Former Subpart 1	50	-	-1.78	-3.27	-5.05
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-6.78	-12.47	-19.30
Altoona, PA	Ozone	Maintenance	100	-	-1.16	-2.08	-3.03
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-2.31	-4.25	-6.59
Anchorage, AK	CO	Maintenance	100	-	-1.74	-3.19	-4.94
Anthony, NM	PM ₁₀	Moderate	100	-	-0.08	-0.15	-0.24
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.06	-0.10	-0.16
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.08	-0.16	-0.24
Atlanta, GA	Ozone	Moderate	50	-	-80.35	-147.74	-228.69
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-80.39	-147.80	-228.79
Atlantic City, NJ	CO	Maintenance	100	-	-0.57	-1.04	-1.61
Bakersfield, CA	CO	Maintenance	100	-	-20.51	-27.68	-7.51
Baltimore, MD	CO	Maintenance	100	-	-0.11	-0.20	-0.31
Baltimore, MD	Ozone	Moderate	50	-	-35.17	-64.68	-100.11
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-35.17	-64.67	-100.11
Baton Rouge, LA	Ozone	Moderate	50	-	-171.50	-207.15	60.63
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-2,273.91	-2,677.62	1,153.81
Benton County, TN	SO _x	Maintenance	100	-	-0.01	-0.02	-0.04
Benton Harbor, MI	Ozone	Maintenance	100	-	-1.87	-3.44	-5.33
Benzie County, MI	Ozone	Maintenance	100	-	-0.29	-0.54	-0.84
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-1.73	-3.19	-4.93
Billings, MT	CO	Maintenance	100	-	-323.21	-380.73	163.30
Birmingham, AL	Ozone	Maintenance	100	-	-11.54	-20.98	-31.64
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-11.58	-21.05	-31.75
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-3.88	-7.14	-11.05
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-3.88	-7.14	-11.05
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.21	-0.39	-0.61
Boston, MA	CO	Maintenance	100	-	-9.58	-17.61	-27.26
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-58.56	-107.68	-166.68
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-7.66	-14.08	-21.80
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.10	-0.19	-0.29
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-12.83	-23.58	-36.51
Burlington, NJ	CO	Maintenance	100	-	-0.08	-0.14	-0.22
Butte, MT	PM ₁₀	Moderate	100	-	-0.21	-0.39	-0.60
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.24	-0.45	-0.69
Canton-Massillon, OH	Ozone	Maintenance	100	-	-18.24	-23.57	-1.35
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-18.24	-23.57	-1.35
Case County, MI	Ozone	Maintenance	100	-	-0.48	-0.89	-1.37
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.01	-0.02	-0.02
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.06	-0.12	-0.18
Charleston, WV	Ozone	Maintenance	100	-	-2.90	-5.33	-8.26
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-2.90	-5.33	-8.26
Charlotte, NC	CO	Maintenance	100	-	-8.90	-16.37	-25.33
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-19.65	-36.13	-55.93

Table B1-15
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-6.08	-11.18	-17.27
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-5.59	-10.27	-15.87
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-1,558.14	-1,887.48	523.32
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-1,560.94	-1,892.62	515.36
Chico, CA	CO	Maintenance	100	-	-1.49	-2.73	-4.23
Chico, CA	Ozone	Former Subpart 1	50	-	-3.27	-6.01	-9.30
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-22.57	-41.50	-64.25
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-21.88	-40.22	-62.26
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.14	-0.26	-0.40
Clark County, NV	PM ₁₀	Serious	70	-	-19.06	-35.04	-54.24
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-3.09	-5.68	-8.80
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-2.00	-3.68	-5.69
Cleveland, OH	CO	Maintenance	100	-	-9.67	-17.79	-27.53
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-28.44	-52.30	-80.95
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-26.11	-48.01	-74.32
Coachella Valley, CA	PM ₁₀	Serious	70	-	-8.47	-15.57	-24.10
Colbert County, AL	SO _x	Maintenance	100	-	-0.61	-1.13	-1.75
Colorado Springs, CO	CO	Maintenance	100	-	-7.26	-13.35	-20.66
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.07	-0.13	-0.20
Columbia, SC	Ozone	Former Subpart 1	50	-	-7.44	-13.69	-21.18
Columbus, OH	Ozone	Maintenance	100	-	-20.31	-37.34	-57.79
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-18.88	-34.71	-53.73
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.03	-0.06	-0.09
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.01
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-9.67	-17.79	-27.53
Cuyahoga County, OH	SO _x	Maintenance	100	-	-8.04	-14.79	-22.89
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-85.84	-157.83	-244.31
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-9.06	-16.66	-25.79
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-7.98	-14.68	-22.72
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-200.90	-260.33	-18.62
Denver-Boulder, CO	CO	Maintenance	100	-	-199.31	-257.41	-14.09
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-208.38	-274.10	-39.92
Detroit, MI	CO	Maintenance	100	-	-68.62	-91.60	-19.97
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-126.81	-183.96	-111.32
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-125.83	-182.15	-108.52
Door County, WI	Ozone	Former Subpart 1	50	-	-0.44	-0.81	-1.25
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-0.39	-0.72	-1.11
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-0.32	-0.58	-0.90
Duluth, MN	CO	Maintenance	100	-	-0.87	-1.60	-2.48
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.11	-0.20	-0.31
East Chicago, IN	CO	Maintenance	100	-	-0.01	-0.02	-0.03
East Chicago, IN	PM ₁₀	Maintenance	100	-	-384.36	-453.59	189.99
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.01	-0.02	-0.03
El Paso County, TX	PM ₁₀	Moderate	100	-	-49.59	-62.11	6.32
El Paso, TX	CO	Maintenance	100	-	-0.35	-0.65	-1.01
Erie, PA	Ozone	Maintenance	100	-	-2.48	-4.56	-7.06
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.02	-0.04	-0.05

Table B1-15
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Eugene-Springfield, OR	CO	Maintenance	100	-	-2.70	-4.96	-7.68
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-2.58	-4.75	-7.36
Evansville, IN	Ozone	Maintenance	100	-	-2.84	-5.22	-8.08
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-3.62	-6.66	-10.31
Fairbanks, AK	CO	Maintenance	100	-	-0.21	-0.39	-0.61
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-3.36	-6.17	-9.56
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.09	-0.16	-0.25
Flint, MI	Ozone	Maintenance	100	-	-5.74	-10.55	-16.34
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.03
Fort Collins, CO	CO	Maintenance	100	-	-2.20	-4.04	-6.25
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.02
Fort Wayne, IN	Ozone	Maintenance	100	-	-4.16	-7.65	-11.84
Franklin County, PA	Ozone	Maintenance	100	-	-1.77	-3.26	-5.05
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.01	-0.02	-0.02
Frederick County, VA	Ozone	Former Subpart 1	50	-	-1.50	-2.75	-4.26
Fredericksburg, VA	Ozone	Maintenance	100	-	-5.22	-9.59	-14.85
Freehold, NJ	CO	Maintenance	100	-	-0.22	-0.41	-0.64
Fresno, CA	CO	Maintenance	100	-	-7.20	-13.23	-20.48
Grand Rapids, MI	Ozone	Maintenance	100	-	-9.64	-17.72	-27.43
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-0.43	-0.78	-1.21
Grant County, NM	SO _x	Maintenance	100	-	-0.03	-0.05	-0.08
Grants Pass, OR	CO	Maintenance	100	-	-0.01	-0.01	-0.02
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.41	-0.75	-1.16
Great Falls, MT	CO	Maintenance	100	-	-0.20	-0.36	-0.56
Greater Connecticut, CT	Ozone	Moderate	50	-	-18.20	-33.46	-51.79
Greeley, CO	CO	Maintenance	100	-	-1.48	-2.71	-4.20
Green Bay, WI	SO _x	Maintenance	100	-	-1.42	-2.62	-4.05
Greene County, IN	Ozone	Maintenance	100	-	-0.55	-1.01	-1.57
Greene County, PA	Ozone	Maintenance	100	-	-0.50	-0.91	-1.41
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-18.22	-33.50	-51.85
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-8.92	-16.40	-25.39
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-9.84	-18.09	-28.01
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-0.25	-0.46	-0.72
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-1.32	-2.42	-3.75
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-10.09	-18.56	-28.73
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-9.31	-17.11	-26.49
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-11.62	-21.37	-33.09
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.12	-0.23	-0.35
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-0.49	-0.90	-1.40
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.06	-0.10	-0.16
Hazelwood, PA	SO _x	Maintenance	100	-	-0.45	-0.83	-1.28
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-1.92	-3.53	-5.46
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-3.22	-5.92	-9.17
Hollis Township, IL	SO _x	Maintenance	100	-	-0.03	-0.05	-0.07
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-727.14	-899.26	150.73
Humphreys County, TN	SO _x	Maintenance	100	-	-0.03	-0.06	-0.09
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-39.65	-48.80	9.44
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-38.10	-45.94	13.87
Huron County, MI	Ozone	Maintenance	100	-	-0.31	-0.57	-0.88

Table B1-15
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Imperial County, CA	Ozone	Moderate	50	-	-2.76	-5.07	-7.85
Imperial Valley, CA	PM ₁₀	Serious	70	-	-2.70	-4.97	-7.69
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-0.37	-0.67	-1.04
Indianapolis, IN	CO	Maintenance	100	-	-0.01	-0.02	-0.03
Indianapolis, IN	Ozone	Maintenance	100	-	-23.55	-43.31	-67.03
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-18.71	-34.40	-53.25
Jackson County, IN	Ozone	Maintenance	100	-	-0.88	-1.62	-2.50
Jamestown, NY	Ozone	Former Subpart 1	50	-	-1.72	-3.17	-4.90
Jefferson County, NY	Ozone	Moderate	50	-	-1.39	-2.55	-3.95
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.08	-0.14	-0.22
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-2.37	-4.36	-6.74
Johnstown, PA	Ozone	Maintenance	100	-	-0.98	-1.81	-2.79
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-1.08	-1.99	-3.08
Juneau, AK	PM ₁₀	Moderate	100	-	-0.14	-0.26	-0.40
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-5.61	-10.31	-15.96
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.36	-0.67	-1.03
Kansas City, MO-KS	Ozone	Maintenance	100	-	-19.65	-36.13	-55.93
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-1.70	-3.13	-4.84
Kent, WA	PM ₁₀	Maintenance	100	-	-0.31	-0.57	-0.89
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-0.93	-1.71	-2.65
Kewaunee County, WI	Ozone	Maintenance	100	-	-0.27	-0.50	-0.77
King County, WA	PM ₁₀	Maintenance	100	-	-0.12	-0.23	-0.35
Klamath Falls, OR	CO	Maintenance	100	-	-0.54	-1.00	-1.54
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.54	-1.00	-1.54
Knoxville, TN	Ozone	Former Subpart 1	50	-	-14.46	-26.59	-41.15
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-11.03	-20.28	-31.39
La Porte County, IN	SO _x	Maintenance	100	-	-0.37	-0.68	-1.05
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.17	-0.31	-0.48
Lake County, IN	SO _x	Maintenance	100	-	-3.26	-6.00	-9.29
Lake County, OH	SO _x	Maintenance	100	-	-0.39	-0.72	-1.12
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.07	-0.12	-0.19
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-0.41	-0.76	-1.18
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-0.91	-1.67	-2.58
Lake Tahoe, NV	CO	Maintenance	100	-	-0.23	-0.42	-0.65
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.10	-0.18	-0.27
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.01	-0.03	-0.04
Lancaster, PA	Ozone	Maintenance	100	-	-5.20	-9.57	-14.81
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-5.20	-9.57	-14.81
Lane County, OR	PM ₁₀	Moderate	100	-	-0.01	-0.03	-0.04
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-5.40	-9.93	-15.38
LaPorte, IN	Ozone	Maintenance	100	-	-1.02	-1.88	-2.91
Las Vegas, NV	CO	Serious	100	-	-19.06	-35.04	-54.24
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-19.29	-35.47	-54.91
Lauderdale County, AL	SO _x	Maintenance	100	-	-0.94	-1.74	-2.69
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.02	-0.04	-0.05
Libby, MT	PM ₁₀	Moderate	100	-	-0.05	-0.08	-0.13
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.06	-0.11	-0.17
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.14	-0.26	-0.40
Lima, OH	Ozone	Maintenance	100	-	-242.33	-285.83	120.52

Table B1-15
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Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Longmont, CO	CO	Maintenance	100	-	-1.15	-2.11	-3.26
Lorain County, OH	SO _x	Maintenance	100	-	-0.52	-0.96	-1.48
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-697.20	-941.33	-256.67
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	-697.20	-941.33	-256.67
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-697.20	-941.33	-256.67
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-697.20	-941.33	-256.67
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-697.19	-941.31	-256.64
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-8.37	-15.39	-23.82
Louisville, KY-IN	Ozone	Maintenance	100	-	-12.51	-23.01	-35.61
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-12.00	-22.06	-34.14
Lowell, MA	CO	Maintenance	100	-	-1.34	-2.47	-3.83
Lucas County, OH	SO _x	Maintenance	100	-	-3.18	-5.84	-9.04
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.66	-1.22	-1.89
Macon, GA	Ozone	Maintenance	100	-	-2.20	-4.05	-6.27
Macon, GA	PM _{2.5}	Nonattainment	100	-	-2.18	-4.00	-6.19
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.03	-0.06	-0.09
Madison, WI	SO _x	Maintenance	100	-	-3.05	-5.60	-8.67
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.14	-0.25	-0.39
Manchester, NH	CO	Maintenance	100	-	-0.81	-1.49	-2.31
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-1.11	-2.03	-3.15
Marion County, IN	SO _x	Maintenance	100	-	-3.36	-6.18	-9.57
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-1.49	-2.74	-4.24
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-3.63	-6.67	-10.33
Mason County, MI	Ozone	Maintenance	100	-	-0.30	-0.56	-0.86
Medford, OR	CO	Maintenance	100	-	-0.99	-1.81	-2.81
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-2.37	-4.35	-6.73
Memphis, TN-AR	Ozone	Maintenance	100	-	-19.65	-30.23	-26.01
Memphis, TN	CO	Maintenance	100	-	-18.83	-28.72	-23.68
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-0.37	-0.67	-1.04
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.05	-0.10	-0.15
Milwaukee, WI	SO _x	Maintenance	100	-	-5.72	-10.53	-16.29
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-20.44	-37.59	-58.19
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-81.72	-118.52	-71.61
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-32.85	-60.40	-93.49
Missoula, MT	CO	Maintenance	100	-	-0.72	-1.32	-2.04
Missoula, MT	PM ₁₀	Moderate	100	-	-0.69	-1.28	-1.98
Modesto, CA	CO	Maintenance	100	-	-3.99	-7.34	-11.36
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-1.35	-2.49	-3.85
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.02	-0.04	-0.06
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.04	-0.07	-0.10
Morristown, NJ	CO	Maintenance	100	-	-0.41	-0.76	-1.18
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.31	-0.57	-0.88
Muncie, IN	Ozone	Maintenance	100	-	-1.18	-2.17	-3.35
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.05	-0.10	-0.16
Muscatine County, IA	SO _x	Maintenance	100	-	-0.17	-0.32	-0.50
Muskegon, MI	Ozone	Maintenance	100	-	-1.48	-2.72	-4.21
Nashua, NH	CO	Maintenance	100	-	-0.65	-1.20	-1.86
Nashville, TN	Ozone	Former Subpart 1	50	-	-19.44	-35.75	-55.33

Table B1-15
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-1.98	-3.63	-5.62
New Haven County, CT	PM ₁₀	Maintenance	100	-	-1.71	-3.14	-4.86
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-8.62	-15.86	-24.55
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.06	-0.12	-0.18
New York County, NY	PM ₁₀	Moderate	100	-	-4.82	-8.86	-13.71
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-130.03	-210.65	-225.91
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-220.09	-370.31	-452.10
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-218.60	-367.56	-447.85
Nogales, AZ	PM ₁₀	Moderate	100	-	-0.48	-0.88	-1.37
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-116.45	-148.69	0.45
Ogden, UT	CO	Maintenance	100	-	-0.77	-1.42	-2.20
Ogden, UT	PM ₁₀	Moderate	100	-	-0.77	-1.42	-2.20
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.02	-0.04	-0.07
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.22	-0.41	-0.63
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-1.32	-2.43	-3.77
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.05	-0.09	-0.15
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-1.58	-2.90	-4.49
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-1.59	-2.92	-4.52
Payson, AZ	PM ₁₀	Maintenance	100	-	-0.24	-0.43	-0.67
Penns Grove, NJ	CO	Maintenance	100	-	-0.01	-0.01	-0.02
Peoria, IL	SO _x	Maintenance	100	-	-1.07	-1.98	-3.06
Perth Amboy, NJ	CO	Maintenance	100	-	-9.98	-12.40	1.74
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-4.06	-7.47	-11.57
Philadelaphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-413.39	-519.03	46.15
Philidelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-437.05	-562.54	-21.19
Phoenix, AZ	CO	Maintenance	100	-	-64.54	-118.67	-183.69
Phoenix, AZ	PM ₁₀	Serious	70	-	-66.31	-121.93	-188.74
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-66.50	-122.28	-189.27
Pierce County, WA	PM ₁₀	Maintenance	100	-	-0.11	-0.21	-0.32
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.03
Pittsburgh, PA	CO	Maintenance	100	-	-0.30	-0.55	-0.85
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-22.14	-40.54	-62.17
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-20.23	-37.04	-56.76
Polk County, TN	SO _x	Maintenance	100	-	-0.23	-0.43	-0.66
Polson, MT	PM ₁₀	Moderate	100	-	-0.04	-0.07	-0.11
Portland, ME	Ozone	Maintenance	100	-	-6.39	-11.75	-18.19
Portland, OR	CO	Maintenance	100	-	-13.98	-25.07	-36.59
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.48	-0.89	-1.37
Poughkeepsie, NY	Ozone	Moderate	50	-	-16.92	-31.12	-48.17
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.10	-0.18	-0.28
Providence (entire State), RI	Ozone	Moderate	50	-	-11.43	-21.02	-32.55
Provo, UT	CO	Maintenance	100	-	-2.02	-3.72	-5.76
Raleigh-Durham, NC	CO	Maintenance	100	-	-15.88	-29.20	-45.20
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-21.59	-39.69	-61.44
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.02	-0.04	-0.06

Table B1-15
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Reading, PA	Ozone	Maintenance	100	-	-3.74	-6.87	-10.63
Reading, PA	PM _{2.5}	Nonattainment	100	-	-3.74	-6.87	-10.63
Reno, NV	CO	Maintenance	100	-	-2.78	-5.12	-7.92
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.01	-0.02	-0.04
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-13.84	-25.45	-39.40
Rillito, AZ	PM ₁₀	Moderate	100	-	-0.63	-1.15	-1.78
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-8.47	-15.57	-24.10
Roanoke, VA	Ozone	Former Subpart 1	50	-	-2.87	-5.28	-8.17
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-0.94	-1.73	-2.68
Rochester, NY	Ozone	Former Subpart 1	50	-	-15.04	-27.66	-42.81
Rocky Mount, NC	Ozone	Maintenance	100	-	-2.02	-3.72	-5.76
Rome, GA	PM _{2.5}	Nonattainment	100	-	-1.34	-2.46	-3.80
Ronan, MT	PM ₁₀	Moderate	100	-	-0.01	-0.03	-0.04
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.03	-0.05	-0.08
Sacramento County, CA	PM ₁₀	Moderate	100	-	-19.35	-35.57	-55.06
Sacramento Metro, CA	Ozone	Severe	25	-	-35.48	-65.24	-101.00
Sacramento, CA	CO	Maintenance	100	-	-21.75	-39.98	-61.89
Salem, OR	CO	Maintenance	100	-	-1.45	-2.67	-4.14
Salt Lake City, UT	CO	Maintenance	100	-	-9.74	-13.11	-3.38
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-19.26	-30.62	-30.47
Salt Lake County, UT	SO _x	Nonattainment	100	-	-12.02	-22.09	-34.20
San Antonio, TX	Ozone	Former Subpart 1	50	-	-22.00	-40.45	-62.60
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-5.20	-9.55	-14.79
San Diego, CA	CO	Maintenance	100	-	-52.58	-96.69	-149.66
San Diego, CA	Ozone	Former Subpart 1	50	-	-52.69	-96.87	-149.95
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-1,521.22	-1,840.92	520.21
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-1,531.13	-1,859.14	492.00
San Joaquin Valley, CA	Ozone	Extreme	10	-	-73.41	-124.95	-158.08
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-73.59	-125.28	-158.59
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-73.41	-124.95	-158.08
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-0.42	-0.77	-1.19
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.02
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-7.52	-13.83	-21.41
Seattle-Tacoma, WA	CO	Maintenance	100	-	-35.60	-65.47	-101.34
Sheboygan, WI	Ozone	Moderate	50	-	-1.38	-2.54	-3.94
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.24	-0.44	-0.69
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	-0.20	-0.37	-0.58
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-5.08	-9.35	-14.47
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-1.68	-3.09	-4.78
Spokane County, WA	PM ₁₀	Maintenance	100	-	-3.52	-6.47	-10.02
Spokane, WA	CO	Maintenance	100	-	-3.48	-6.40	-9.91
Springfield (western MA), MA	Ozone	Moderate	50	-	-10.04	-18.45	-28.56
Springfield, MA	CO	Maintenance	100	-	-1.67	-3.08	-4.76
St Louis, MO	CO	Maintenance	100	-	-9.24	-16.98	-26.29
St Louis, MO-IL	Ozone	Moderate	50	-	-1,265.35	-1,509.74	541.99
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-1,265.14	-1,509.35	542.59
State College, PA	Ozone	Maintenance	100	-	-2.04	-3.75	-5.80

Table B1-15
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.25	-0.45	-0.70
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.44	-0.81	-1.26
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-11.57	-14.27	2.61
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-11.57	-14.27	2.61
Stockton, CA	CO	Maintenance	100	-	-6.03	-11.09	-17.16
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-5.60	-10.30	-15.94
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.02	-0.04	-0.06
Terre Haute, IN	Ozone	Maintenance	100	-	-1.35	-2.49	-3.85
Tioga County, PA	Ozone	Maintenance	100	-	-0.60	-1.10	-1.70
Toledo, OH	Ozone	Maintenance	100	-	-74.10	-91.11	18.04
Toms River, NJ	CO	Maintenance	100	-	-1.24	-2.28	-3.52
Tooele County, UT	SO _x	Nonattainment	100	-	-1.18	-2.17	-3.36
Trenton, NJ	CO	Maintenance	100	-	-1.01	-1.86	-2.89
Trona, CA	PM ₁₀	Moderate	100	-	-0.04	-0.07	-0.12
Tucson, AZ	CO	Maintenance	100	-	-12.03	-22.12	-34.24
Utah County, UT	PM ₁₀	Moderate	100	-	-5.87	-10.80	-16.71
Vancouver, WA	CO	Maintenance	100	-	-3.91	-7.19	-11.13
Ventura County, CA	Ozone	Serious	50	-	-11.46	-20.58	-30.11
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.08	-0.14	-0.21
Vigo County, IN	SO _x	Maintenance	100	-	-1.35	-2.49	-3.85
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-0.63	-1.16	-1.79
Warren County, NJ	SO _x	Maintenance	100	-	-0.41	-0.76	-1.18
Warren County, PA	SO _x	Nonattainment	100	-	-0.15	-0.27	-0.42
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-2.37	-4.36	-6.74
Washington, DC-MD-VA	CO	Maintenance	100	-	-18.09	-33.25	-51.48
Washington, DC-MD-VA	Ozone	Moderate	50	-	-64.73	-119.02	-184.24
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-63.30	-116.38	-180.16
Washoe County, NV	PM ₁₀	Serious	70	-	-2.78	-5.12	-7.92
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.04	-0.08	-0.13
Wayne County, IN	SO _x	Maintenance	100	-	-0.73	-1.34	-2.08
Wayne County, MI	PM ₁₀	Maintenance	100	-	-25.58	-30.72	9.94
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.09	-0.17	-0.26
Weirton, WV	SO _x	Maintenance	100	-	-0.12	-0.23	-0.35
Wheeling, WV-OH	Ozone	Maintenance	100	-	-1.53	-2.80	-4.34
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-1.53	-2.80	-4.34
Winston-Salem, NC	CO	Maintenance	100	-	-4.71	-8.66	-13.40
Worcester, MA	CO	Maintenance	100	-	-2.64	-4.85	-7.51
Yakima County, WA	PM ₁₀	Maintenance	100	-	-1.08	-1.98	-3.07
Yakima, WA	CO	Maintenance	100	-	-0.49	-0.89	-1.38
York, PA	Ozone	Maintenance	100	-	-5.22	-9.60	-14.86
York, PA	PM _{2.5}	Nonattainment	100	-	-4.05	-7.44	-11.52
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-6.68	-12.28	-19.01
Yuma, AZ	PM ₁₀	Moderate	100	-	-2.30	-4.23	-6.54

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

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

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

Source: EPA, 2008.

Table B1-16
Emission Changes μ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.02	-0.05	-0.07
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.06	-0.12	-0.18
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.07	-0.12	-0.19
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-19.32	-35.79	-55.18
Albuquerque, NM	CO	Maintenance	100	-	-8.68	-16.09	-24.81
Allegan County, MI	Ozone	Former Subpart 1	50	-	-2.45	-4.54	-6.99
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-8.87	-16.44	-25.34
Altoona, PA	Ozone	Maintenance	100	-	-1.42	-2.56	-3.69
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-3.49	-6.47	-9.98
Anchorage, AK	CO	Maintenance	100	-	-2.35	-4.36	-6.72
Anthony, NM	PM ₁₀	Moderate	100	-	-0.11	-0.20	-0.30
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.07	-0.14	-0.21
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.11	-0.21	-0.33
Atlanta, GA	Ozone	Moderate	50	-	-109.34	-202.57	-312.35
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-109.37	-202.63	-312.45
Atlantic City, NJ	CO	Maintenance	100	-	-0.71	-1.32	-2.04
Bakersfield, CA	CO	Maintenance	100	-	-27.50	-37.09	-9.25
Baltimore, MD	CO	Maintenance	100	-	-0.14	-0.26	-0.40
Baltimore, MD	Ozone	Moderate	50	-	-47.12	-87.30	-134.61
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-47.12	-87.30	-134.61
Baton Rouge, LA	Ozone	Moderate	50	-	-227.97	-272.85	96.61
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-3,024.51	-3,525.77	1,752.77
Benton County, TN	SO _x	Maintenance	100	-	-0.01	-0.03	-0.04
Benton Harbor, MI	Ozone	Maintenance	100	-	-2.23	-4.14	-6.38
Benzie County, MI	Ozone	Maintenance	100	-	-0.42	-0.78	-1.21
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-2.33	-4.32	-6.66
Billings, MT	CO	Maintenance	100	-	-429.91	-501.37	248.11
Birmingham, AL	Ozone	Maintenance	100	-	-14.64	-26.80	-40.18
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-14.69	-26.89	-40.33
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-5.26	-9.75	-15.04
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-5.26	-9.75	-15.04
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.31	-0.57	-0.88
Boston, MA	CO	Maintenance	100	-	-12.38	-22.94	-35.37
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-76.81	-142.30	-219.41
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-10.25	-19.00	-29.29
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.13	-0.24	-0.37
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-16.37	-30.33	-46.77
Burlington, NJ	CO	Maintenance	100	-	-0.07	-0.13	-0.19
Butte, MT	PM ₁₀	Moderate	100	-	-0.25	-0.45	-0.70
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.35	-0.65	-1.01
Canton-Massillon, OH	Ozone	Maintenance	100	-	-24.01	-30.69	0.36
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-24.01	-30.69	0.36
Case County, MI	Ozone	Maintenance	100	-	-0.61	-1.14	-1.75
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.01	-0.02	-0.04
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.07	-0.13	-0.20
Charleston, WV	Ozone	Maintenance	100	-	-3.50	-6.49	-10.00

Table B1-16
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-3.50	-6.49	-10.00
Charlotte, NC	CO	Maintenance	100	-	-12.18	-22.57	-34.80
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-26.62	-49.33	-76.06
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-7.76	-14.37	-22.13
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-7.19	-13.32	-20.50
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-2,072.82	-2,489.45	835.59
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-2,076.53	-2,496.32	824.99
Chico, CA	CO	Maintenance	100	-	-2.26	-4.18	-6.45
Chico, CA	Ozone	Former Subpart 1	50	-	-4.73	-8.76	-13.50
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-29.56	-54.77	-84.46
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-28.61	-53.00	-81.73
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.15	-0.28	-0.43
Clark County, NV	PM ₁₀	Serious	70	-	-27.06	-50.12	-77.29
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-4.18	-7.75	-11.95
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-2.55	-4.72	-7.28
Cleveland, OH	CO	Maintenance	100	-	-11.51	-21.32	-32.87
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-36.11	-66.89	-103.15
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-33.02	-61.17	-94.32
Coachella Valley, CA	PM ₁₀	Serious	70	-	-12.38	-22.94	-35.37
Colbert County, AL	SO _x	Maintenance	100	-	-0.72	-1.34	-2.07
Colorado Springs, CO	CO	Maintenance	100	-	-10.07	-18.65	-28.76
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.10	-0.18	-0.28
Columbia, SC	Ozone	Former Subpart 1	50	-	-9.80	-18.16	-28.00
Columbus, OH	Ozone	Maintenance	100	-	-27.78	-51.47	-79.36
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-25.87	-47.94	-73.92
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.03	-0.06	-0.10
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.01
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-11.51	-21.32	-32.87
Cuyahoga County, OH	SO _x	Maintenance	100	-	-9.92	-18.38	-28.34
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-119.14	-220.73	-340.35
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-11.30	-20.94	-32.29
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-9.93	-18.39	-28.35
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-268.83	-347.34	-14.09
Denver-Boulder, CO	CO	Maintenance	100	-	-266.62	-343.25	-7.78
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-279.15	-366.46	-43.57
Detroit, MI	CO	Maintenance	100	-	-97.33	-125.69	-4.75
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-167.13	-241.62	-137.19
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-165.85	-239.24	-133.53
Door County, WI	Ozone	Former Subpart 1	50	-	-0.59	-1.10	-1.69
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-0.49	-0.91	-1.40
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-0.40	-0.75	-1.15
Duluth, MN	CO	Maintenance	100	-	-1.07	-1.99	-3.06
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.15	-0.28	-0.43
East Chicago, IN	CO	Maintenance	100	-	-0.01	-0.02	-0.04
East Chicago, IN	PM ₁₀	Maintenance	100	-	-511.10	-597.10	289.74
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.01	-0.03	-0.04
El Paso County, TX	PM ₁₀	Moderate	100	-	-65.98	-82.06	12.50
El Paso, TX	CO	Maintenance	100	-	-0.45	-0.84	-1.29

Table B1-16
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Erie, PA	Ozone	Maintenance	100	-	-3.11	-5.76	-8.88
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.03	-0.05	-0.08
Eugene-Springfield, OR	CO	Maintenance	100	-	-3.61	-6.70	-10.33
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-3.47	-6.44	-9.92
Evansville, IN	Ozone	Maintenance	100	-	-3.65	-6.77	-10.44
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-4.61	-8.54	-13.17
Fairbanks, AK	CO	Maintenance	100	-	-0.29	-0.55	-0.84
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-4.38	-8.11	-12.50
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.13	-0.23	-0.36
Flint, MI	Ozone	Maintenance	100	-	-7.29	-13.50	-20.82
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.03
Fort Collins, CO	CO	Maintenance	100	-	-3.07	-5.68	-8.76
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.02
Fort Wayne, IN	Ozone	Maintenance	100	-	-5.43	-10.06	-15.52
Franklin County, PA	Ozone	Maintenance	100	-	-2.36	-4.37	-6.74
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.01	-0.02	-0.03
Frederick County, VA	Ozone	Former Subpart 1	50	-	-1.96	-3.63	-5.60
Fredericksburg, VA	Ozone	Maintenance	100	-	-7.36	-13.63	-21.02
Freehold, NJ	CO	Maintenance	100	-	-0.34	-0.63	-0.97
Fresno, CA	CO	Maintenance	100	-	-9.85	-18.24	-28.13
Grand Rapids, MI	Ozone	Maintenance	100	-	-13.01	-24.10	-37.16
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-0.50	-0.93	-1.44
Grant County, NM	SO _x	Maintenance	100	-	-0.03	-0.06	-0.09
Grants Pass, OR	CO	Maintenance	100	-	-0.01	-0.01	-0.02
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.58	-1.07	-1.65
Great Falls, MT	CO	Maintenance	100	-	-0.22	-0.41	-0.64
Greater Connecticut, CT	Ozone	Moderate	50	-	-23.13	-42.86	-66.09
Greeley, CO	CO	Maintenance	100	-	-2.01	-3.71	-5.73
Green Bay, WI	SO _x	Maintenance	100	-	-1.86	-3.45	-5.32
Greene County, IN	Ozone	Maintenance	100	-	-0.72	-1.33	-2.05
Greene County, PA	Ozone	Maintenance	100	-	-0.63	-1.16	-1.79
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-23.46	-43.46	-67.01
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-11.39	-21.10	-32.53
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-12.41	-22.98	-35.44
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-0.32	-0.60	-0.93
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-1.72	-3.18	-4.91
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-13.56	-25.12	-38.73
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-12.49	-23.14	-35.68
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-14.57	-27.00	-41.64
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.17	-0.32	-0.50
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-0.70	-1.29	-1.99
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.07	-0.14	-0.21
Hazelwood, PA	SO _x	Maintenance	100	-	-0.59	-1.10	-1.70
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-2.38	-4.41	-6.79
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-4.07	-7.55	-11.63
Hollis Township, IL	SO _x	Maintenance	100	-	-0.03	-0.06	-0.09
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-968.03	-1,188.53	260.53
Humphreys County, TN	SO _x	Maintenance	100	-	-0.04	-0.08	-0.12

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Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-52.44	-63.84	16.86
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-50.45	-60.14	22.57
Huron County, MI	Ozone	Maintenance	100	-	-0.38	-0.71	-1.10
Imperial County, CA	Ozone	Moderate	50	-	-3.90	-7.22	-11.13
Imperial Valley, CA	PM ₁₀	Serious	70	-	-3.82	-7.07	-10.90
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-0.45	-0.84	-1.30
Indianapolis, IN	CO	Maintenance	100	-	-0.01	-0.02	-0.03
Indianapolis, IN	Ozone	Maintenance	100	-	-31.53	-58.42	-90.07
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-25.09	-46.49	-71.69
Jackson County, IN	Ozone	Maintenance	100	-	-1.12	-2.08	-3.20
Jamestown, NY	Ozone	Former Subpart 1	50	-	-2.19	-4.07	-6.27
Jefferson County, NY	Ozone	Moderate	50	-	-1.79	-3.31	-5.10
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.09	-0.16	-0.24
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-2.98	-5.52	-8.51
Johnstown, PA	Ozone	Maintenance	100	-	-1.09	-2.02	-3.12
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-1.20	-2.23	-3.43
Juneau, AK	PM ₁₀	Moderate	100	-	-0.21	-0.38	-0.59
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-7.16	-13.26	-20.45
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.50	-0.93	-1.44
Kansas City, MO-KS	Ozone	Maintenance	100	-	-26.38	-48.87	-75.35
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-2.29	-4.25	-6.55
Kent, WA	PM ₁₀	Maintenance	100	-	-0.44	-0.82	-1.26
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-1.19	-2.20	-3.40
Kewaunee County, WI	Ozone	Maintenance	100	-	-0.34	-0.63	-0.97
King County, WA	PM ₁₀	Maintenance	100	-	-0.17	-0.31	-0.48
Klamath Falls, OR	CO	Maintenance	100	-	-0.68	-1.27	-1.95
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.68	-1.27	-1.95
Knoxville, TN	Ozone	Former Subpart 1	50	-	-19.89	-36.86	-56.83
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-15.00	-27.79	-42.85
La Porte County, IN	SO _x	Maintenance	100	-	-0.45	-0.83	-1.28
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.22	-0.40	-0.62
Lake County, IN	SO _x	Maintenance	100	-	-4.02	-7.44	-11.47
Lake County, OH	SO _x	Maintenance	100	-	-0.50	-0.93	-1.43
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.08	-0.15	-0.23
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-0.63	-1.17	-1.80
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-1.44	-2.66	-4.10
Lake Tahoe, NV	CO	Maintenance	100	-	-0.29	-0.53	-0.82
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.12	-0.23	-0.35
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.05
Lancaster, PA	Ozone	Maintenance	100	-	-6.87	-12.73	-19.63
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-6.87	-12.73	-19.63
Lane County, OR	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.05
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-7.01	-13.00	-20.04
LaPorte, IN	Ozone	Maintenance	100	-	-1.24	-2.30	-3.55
Las Vegas, NV	CO	Serious	100	-	-27.06	-50.12	-77.29
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-27.34	-50.64	-78.09
Lauderdale County, AL	SO _x	Maintenance	100	-	-1.17	-2.17	-3.34
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.02	-0.04	-0.07
Libby, MT	PM ₁₀	Moderate	100	-	-0.05	-0.10	-0.16

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Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.07	-0.14	-0.21
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.15	-0.28	-0.43
Lima, OH	Ozone	Maintenance	100	-	-322.26	-376.29	183.62
Longmont, CO	CO	Maintenance	100	-	-1.63	-3.02	-4.66
Lorain County, OH	SO _x	Maintenance	100	-	-0.68	-1.26	-1.94
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-932.88	-1,257.61	-310.40
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	-932.88	-1,257.61	-310.40
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-932.88	-1,257.61	-310.40
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-932.88	-1,257.62	-310.40
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-932.87	-1,257.59	-310.37
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-11.49	-21.28	-32.81
Louisville, KY-IN	Ozone	Maintenance	100	-	-15.94	-29.53	-45.54
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-15.16	-28.08	-43.30
Lowell, MA	CO	Maintenance	100	-	-1.84	-3.42	-5.27
Lucas County, OH	SO _x	Maintenance	100	-	-3.89	-7.20	-11.11
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.81	-1.51	-2.32
Macon, GA	Ozone	Maintenance	100	-	-2.67	-4.94	-7.61
Macon, GA	PM _{2.5}	Nonattainment	100	-	-2.63	-4.87	-7.51
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.04	-0.07	-0.10
Madison, WI	SO _x	Maintenance	100	-	-4.28	-7.92	-12.22
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.22	-0.41	-0.64
Manchester, NH	CO	Maintenance	100	-	-0.95	-1.76	-2.72
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-1.39	-2.57	-3.96
Marion County, IN	SO _x	Maintenance	100	-	-4.16	-7.71	-11.89
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-2.18	-4.03	-6.21
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-4.73	-8.77	-13.52
Mason County, MI	Ozone	Maintenance	100	-	-0.40	-0.74	-1.14
Medford, OR	CO	Maintenance	100	-	-1.40	-2.60	-4.01
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-3.38	-6.27	-9.67
Memphis, TN-AR	Ozone	Maintenance	100	-	-25.16	-38.47	-31.12
Memphis, TN	CO	Maintenance	100	-	-24.20	-36.69	-28.37
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-0.51	-0.95	-1.47
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.06	-0.12	-0.18
Milwaukee, WI	SO _x	Maintenance	100	-	-7.20	-13.34	-20.57
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-26.86	-49.75	-76.72
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-108.94	-157.97	-91.82
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-43.89	-81.31	-125.37
Missoula, MT	CO	Maintenance	100	-	-0.95	-1.77	-2.72
Missoula, MT	PM ₁₀	Moderate	100	-	-0.92	-1.71	-2.63
Modesto, CA	CO	Maintenance	100	-	-5.69	-10.53	-16.24
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-1.97	-3.65	-5.62
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.03	-0.05	-0.08
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.05	-0.08	-0.13
Morristown, NJ	CO	Maintenance	100	-	-0.60	-1.12	-1.72
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.38	-0.70	-1.09
Muncie, IN	Ozone	Maintenance	100	-	-1.38	-2.56	-3.94
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.09	-0.16	-0.25
Muscatine County, IA	SO _x	Maintenance	100	-	-0.23	-0.43	-0.67
Muskegon, MI	Ozone	Maintenance	100	-	-1.94	-3.59	-5.54
Nashua, NH	CO	Maintenance	100	-	-0.78	-1.44	-2.22

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Nashville, TN	Ozone	Former Subpart 1	50	-	-26.25	-48.63	-74.99
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-2.99	-5.54	-8.55
New Haven County, CT	PM ₁₀	Maintenance	100	-	-2.43	-4.50	-6.94
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-10.87	-20.14	-31.05
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.08	-0.15	-0.23
New York County, NY	PM ₁₀	Moderate	100	-	-5.85	-10.84	-16.72
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-168.54	-272.98	-285.02
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-287.33	-484.84	-583.28
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-285.31	-481.11	-577.52
Nogales, AZ	PM ₁₀	Moderate	100	-	-0.64	-1.19	-1.83
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-154.20	-195.25	11.83
Ogden, UT	CO	Maintenance	100	-	-0.98	-1.81	-2.80
Ogden, UT	PM ₁₀	Moderate	100	-	-0.98	-1.81	-2.80
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.02	-0.05	-0.07
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.26	-0.48	-0.74
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-1.84	-3.40	-5.25
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.09	-0.16	-0.25
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.01
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-1.98	-3.66	-5.65
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-1.99	-3.69	-5.69
Payson, AZ	PM ₁₀	Maintenance	100	-	-0.32	-0.59	-0.92
Penns Grove, NJ	CO	Maintenance	100	-	-0.01	-0.01	-0.02
Peoria, IL	SO _x	Maintenance	100	-	-1.33	-2.47	-3.81
Perth Amboy, NJ	CO	Maintenance	100	-	-13.42	-16.65	2.73
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-4.88	-9.03	-13.93
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-547.44	-681.10	102.49
Phildelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-578.26	-738.20	14.44
Phoenix, AZ	CO	Maintenance	100	-	-96.53	-178.83	-275.75
Phoenix, AZ	PM ₁₀	Serious	70	-	-98.98	-183.38	-282.76
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-99.22	-183.82	-283.45
Pierce County, WA	PM ₁₀	Maintenance	100	-	-0.13	-0.25	-0.38
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.04
Pittsburgh, PA	CO	Maintenance	100	-	-0.48	-0.88	-1.36
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-27.85	-51.36	-78.42
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-25.45	-46.93	-71.58
Polk County, TN	SO _x	Maintenance	100	-	-0.30	-0.55	-0.85
Polson, MT	PM ₁₀	Moderate	100	-	-0.05	-0.10	-0.15
Portland, ME	Ozone	Maintenance	100	-	-8.32	-15.41	-23.76
Portland, OR	CO	Maintenance	100	-	-18.06	-32.60	-47.26
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.61	-1.12	-1.73
Poughkeepsie, NY	Ozone	Moderate	50	-	-23.63	-43.77	-67.50
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.12	-0.22	-0.33
Providence (entire State), RI	Ozone	Moderate	50	-	-15.17	-28.11	-43.34
Provo, UT	CO	Maintenance	100	-	-2.82	-5.23	-8.07
Raleigh-Durham, NC	CO	Maintenance	100	-	-21.87	-40.52	-62.48

Table B1-16
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-29.65	-54.93	-84.70
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.02	-0.04	-0.07
Reading, PA	Ozone	Maintenance	100	-	-4.81	-8.91	-13.74
Reading, PA	PM _{2.5}	Nonattainment	100	-	-4.81	-8.91	-13.74
Reno, NV	CO	Maintenance	100	-	-3.63	-6.73	-10.37
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.02	-0.04	-0.06
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-17.95	-33.25	-51.27
Rillito, AZ	PM ₁₀	Moderate	100	-	-0.90	-1.67	-2.58
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-12.38	-22.94	-35.37
Roanoke, VA	Ozone	Former Subpart 1	50	-	-3.62	-6.70	-10.34
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-1.25	-2.32	-3.58
Rochester, NY	Ozone	Former Subpart 1	50	-	-19.40	-35.95	-55.43
Rocky Mount, NC	Ozone	Maintenance	100	-	-2.54	-4.70	-7.25
Rome, GA	PM _{2.5}	Nonattainment	100	-	-1.71	-3.16	-4.88
Ronan, MT	PM ₁₀	Moderate	100	-	-0.02	-0.04	-0.06
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.03	-0.06	-0.10
Sacramento County, CA	PM ₁₀	Moderate	100	-	-27.85	-51.59	-79.55
Sacramento Metro, CA	Ozone	Severe	25	-	-51.67	-95.73	-147.61
Sacramento, CA	CO	Maintenance	100	-	-31.34	-58.07	-89.54
Salem, OR	CO	Maintenance	100	-	-1.85	-3.42	-5.28
Salt Lake City, UT	CO	Maintenance	100	-	-12.99	-17.43	-3.91
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-25.64	-40.87	-40.06
Salt Lake County, UT	SO _x	Nonattainment	100	-	-16.00	-29.65	-45.71
San Antonio, TX	Ozone	Former Subpart 1	50	-	-29.64	-54.91	-84.65
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-6.98	-12.93	-19.94
San Diego, CA	CO	Maintenance	100	-	-74.54	-138.10	-212.94
San Diego, CA	Ozone	Former Subpart 1	50	-	-74.69	-138.37	-213.36
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-2,027.12	-2,434.26	818.70
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-2,040.14	-2,458.39	781.49
San Joaquin Valley, CA	Ozone	Extreme	10	-	-103.47	-177.84	-226.28
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-103.65	-178.17	-226.79
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-103.47	-177.84	-226.28
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-0.59	-1.09	-1.68
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.03
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-9.70	-17.97	-27.72
Seattle-Tacoma, WA	CO	Maintenance	100	-	-48.18	-89.27	-137.65
Sheboygan, WI	Ozone	Moderate	50	-	-1.84	-3.41	-5.26
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.31	-0.57	-0.87
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	-0.27	-0.50	-0.78
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-6.56	-12.16	-18.75
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-1.75	-3.25	-5.01
Spokane County, WA	PM ₁₀	Maintenance	100	-	-4.75	-8.79	-13.56
Spokane, WA	CO	Maintenance	100	-	-4.69	-8.69	-13.40
Springfield (western MA), MA	Ozone	Moderate	50	-	-12.95	-23.99	-36.99
Springfield, MA	CO	Maintenance	100	-	-2.28	-4.22	-6.50
St Louis, MO	CO	Maintenance	100	-	-10.72	-19.87	-30.63
St Louis, MO-IL	Ozone	Moderate	50	-	-1,680.68	-1,984.89	845.58

Table B1-16
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-1,680.41	-1,984.40	846.35
State College, PA	Ozone	Maintenance	100	-	-2.77	-5.13	-7.91
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.36	-0.67	-1.04
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.53	-0.98	-1.51
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-15.25	-18.57	4.86
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-15.25	-18.57	4.86
Stockton, CA	CO	Maintenance	100	-	-8.83	-16.36	-25.23
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-7.03	-13.02	-20.08
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.03	-0.06	-0.10
Terre Haute, IN	Ozone	Maintenance	100	-	-1.60	-2.97	-4.58
Tioga County, PA	Ozone	Maintenance	100	-	-0.73	-1.35	-2.09
Toledo, OH	Ozone	Maintenance	100	-	-98.09	-119.36	31.78
Toms River, NJ	CO	Maintenance	100	-	-1.76	-3.27	-5.04
Tooele County, UT	SO _x	Nonattainment	100	-	-1.57	-2.92	-4.49
Trenton, NJ	CO	Maintenance	100	-	-1.34	-2.49	-3.84
Trona, CA	PM ₁₀	Moderate	100	-	-0.06	-0.11	-0.17
Tucson, AZ	CO	Maintenance	100	-	-16.50	-30.58	-47.15
Utah County, UT	PM ₁₀	Moderate	100	-	-8.06	-14.93	-23.02
Vancouver, WA	CO	Maintenance	100	-	-5.50	-10.18	-15.70
Ventura County, CA	Ozone	Serious	50	-	-16.26	-29.44	-43.02
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.09	-0.17	-0.26
Vigo County, IN	SO _x	Maintenance	100	-	-1.60	-2.97	-4.58
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-0.81	-1.50	-2.32
Warren County, NJ	SO _x	Maintenance	100	-	-0.54	-1.01	-1.55
Warren County, PA	SO _x	Nonattainment	100	-	-0.17	-0.32	-0.50
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-3.03	-5.62	-8.67
Washington, DC-MD-VA	CO	Maintenance	100	-	-24.60	-45.58	-70.28
Washington, DC-MD-VA	Ozone	Moderate	50	-	-88.16	-163.34	-251.86
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-86.12	-159.55	-246.02
Washoe County, NV	PM ₁₀	Serious	70	-	-3.63	-6.73	-10.37
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.06	-0.10	-0.16
Wayne County, IN	SO _x	Maintenance	100	-	-0.86	-1.59	-2.45
Wayne County, MI	PM ₁₀	Maintenance	100	-	-40.22	-48.10	17.28
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.09	-0.16	-0.25
Weirton, WV	SO _x	Maintenance	100	-	-0.13	-0.23	-0.36
Wheeling, WV-OH	Ozone	Maintenance	100	-	-1.79	-3.32	-5.12
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-1.79	-3.32	-5.12
Winston-Salem, NC	CO	Maintenance	100	-	-6.18	-11.45	-17.65
Worcester, MA	CO	Maintenance	100	-	-3.68	-6.81	-10.50
Yakima County, WA	PM ₁₀	Maintenance	100	-	-1.42	-2.63	-4.05
Yakima, WA	CO	Maintenance	100	-	-0.70	-1.30	-2.00

Table B1-16
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
York, PA	Ozone	Maintenance	100	-	-6.99	-12.94	-19.96
York, PA	PM _{2.5}	Nonattainment	100	-	-5.40	-10.01	-15.44
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-8.05	-14.92	-23.01
Yuma, AZ	PM ₁₀	Moderate	100	-	-3.21	-5.95	-9.17

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

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

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

Source: EPA, 2008.

Table B1-17
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Volatile Organic Compound (VOC) 2021

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.07	-0.09	-0.22
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.05	-0.07	-0.17
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.05	-0.07	-0.17
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-17.12	-24.74	-58.49
Albuquerque, NM	CO	Maintenance	100	-	-6.89	-9.98	-23.68
Allegan County, MI	Ozone	Former Subpart 1	50	-	-2.95	-4.25	-9.95
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-5.11	-7.44	-17.83
Altoona, PA	Ozone	Maintenance	100	-	-2.67	-3.83	-8.96
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-0.52	-0.78	-1.97
Anchorage, AK	CO	Maintenance	100	-	-4.67	-6.70	-15.61
Anthony, NM	PM ₁₀	Moderate	100	-	-0.23	-0.34	-0.78
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.01	-0.02	-0.05
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.21	-0.31	-0.71
Atlanta, GA	Ozone	Moderate	50	-	-82.74	-119.68	-283.39
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-82.88	-119.86	-283.83
Atlantic City, NJ	CO	Maintenance	100	-	-0.28	-0.42	-1.02
Bakersfield, CA	CO	Maintenance	100	-	-10.10	-14.52	-33.96
Baltimore, MD	CO	Maintenance	100	-	-0.20	-0.29	-0.69
Baltimore, MD	Ozone	Moderate	50	-	-18.65	-27.31	-66.36
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-18.65	-27.31	-66.36
Baton Rouge, LA	Ozone	Moderate	50	-	-43.83	-62.76	-145.43
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-73.05	-104.42	-241.07
Benton County, TN	SO _x	Maintenance	100	-	-0.08	-0.12	-0.28
Benton Harbor, MI	Ozone	Maintenance	100	-	-5.74	-8.23	-19.19
Benzie County, MI	Ozone	Maintenance	100	-	-0.57	-0.82	-1.91
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-3.83	-5.50	-12.85
Billings, MT	CO	Maintenance	100	-	-19.75	-28.22	-65.11
Birmingham, AL	Ozone	Maintenance	100	-	-12.39	-17.94	-42.52
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-12.47	-18.05	-42.78
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-10.90	-15.64	-36.40
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-10.90	-15.64	-36.40
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.47	-0.68	-1.57
Boston, MA	CO	Maintenance	100	-	-5.72	-8.36	-20.27
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-26.30	-38.72	-95.13
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-2.53	-3.76	-9.41
Boyd County (part), KY	SO _x	Maintenance	100	-	-1.15	-1.64	-3.79
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-11.66	-16.91	-40.32
Burlington, NJ	CO	Maintenance	100	-	-0.05	-0.08	-0.19
Butte, MT	PM ₁₀	Moderate	100	-	-1.65	-2.36	-5.46
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.73	-1.05	-2.44
Canton-Massillon, OH	Ozone	Maintenance	100	-	-8.61	-12.36	-28.83
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-8.61	-12.36	-28.83
Case County, MI	Ozone	Maintenance	100	-	-1.10	-1.58	-3.70
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.03	-0.04	-0.09
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.37	-0.52	-1.22
Charleston, WV	Ozone	Maintenance	100	-	-2.72	-3.96	-9.44
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-2.72	-3.96	-9.44
Charlotte, NC	CO	Maintenance	100	-	-6.01	-8.74	-20.99
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-22.26	-32.16	-75.98

Table B1-17
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Volatile Organic Compound (VOC) 2021

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-20.27	-29.08	-67.65
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-18.56	-26.63	-61.94
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-68.75	-99.78	-238.04
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-72.68	-105.46	-251.39
Chico, CA	CO	Maintenance	100	-	-1.38	-2.00	-4.72
Chico, CA	Ozone	Former Subpart 1	50	-	-3.24	-4.68	-11.05
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-21.44	-31.07	-73.88
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-19.95	-28.93	-68.88
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.26	-0.38	-0.89
Clark County, NV	PM ₁₀	Serious	70	-	-12.25	-17.83	-42.76
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-11.21	-16.07	-37.33
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-6.30	-9.03	-21.03
Cleveland, OH	CO	Maintenance	100	-	-11.48	-16.61	-39.40
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-23.04	-33.50	-80.20
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-21.15	-30.75	-73.65
Coachella Valley, CA	PM ₁₀	Serious	70	-	-1.54	-2.33	-6.07
Colbert County, AL	SO _x	Maintenance	100	-	-1.91	-2.74	-6.39
Colorado Springs, CO	CO	Maintenance	100	-	-13.78	-19.81	-46.32
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.20	-0.29	-0.68
Columbia, SC	Ozone	Former Subpart 1	50	-	-22.33	-32.05	-74.59
Columbus, OH	Ozone	Maintenance	100	-	-24.18	-34.91	-82.35
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-20.71	-29.93	-70.73
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.04	-0.05	-0.13
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.02
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-11.48	-16.61	-39.40
Cuyahoga County, OH	SO _x	Maintenance	100	-	-9.35	-13.54	-32.10
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-78.58	-113.78	-270.04
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-10.64	-15.39	-36.45
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-9.22	-13.33	-31.59
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-20.83	-30.42	-73.48
Denver-Boulder, CO	CO	Maintenance	100	-	-20.40	-29.78	-71.85
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-37.22	-53.96	-128.41
Detroit, MI	CO	Maintenance	100	-	-24.23	-34.97	-82.48
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-59.20	-85.61	-202.63
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-56.66	-81.96	-194.13
Door County, WI	Ozone	Former Subpart 1	50	-	-0.15	-0.22	-0.55
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-0.44	-0.64	-1.52
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-0.35	-0.51	-1.20
Duluth, MN	CO	Maintenance	100	-	-2.50	-3.59	-8.36
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.28	-0.40	-0.94
East Chicago, IN	CO	Maintenance	100	-	-0.03	-0.04	-0.09
East Chicago, IN	PM ₁₀	Maintenance	100	-	-14.65	-20.98	-48.58
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.03	-0.05	-0.11
El Paso County, TX	PM ₁₀	Moderate	100	-	-9.11	-13.13	-30.80
El Paso, TX	CO	Maintenance	100	-	-0.49	-0.70	-1.66
Erie, PA	Ozone	Maintenance	100	-	-2.71	-3.92	-9.31
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.01	-0.01	-0.03

Table B1-17
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Volatile Organic Compound (VOC) 2021

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Eugene-Springfield, OR	CO	Maintenance	100	-	-6.92	-9.94	-23.16
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-6.61	-9.49	-22.12
Evansville, IN	Ozone	Maintenance	100	-	-4.55	-6.55	-15.40
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-7.57	-10.88	-25.46
Fairbanks, AK	CO	Maintenance	100	-	-0.94	-1.35	-3.12
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-2.39	-3.49	-8.38
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.27	-0.38	-0.89
Flint, MI	Ozone	Maintenance	100	-	-5.65	-8.20	-19.49
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.04	-0.06	-0.14
Fort Collins, CO	CO	Maintenance	100	-	-3.21	-4.63	-10.86
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.03	-0.04	-0.09
Fort Wayne, IN	Ozone	Maintenance	100	-	-12.89	-18.49	-43.03
Franklin County, PA	Ozone	Maintenance	100	-	-4.55	-6.54	-15.24
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.03	-0.04	-0.09
Frederick County, VA	Ozone	Former Subpart 1	50	-	-7.24	-10.36	-24.03
Fredericksburg, VA	Ozone	Maintenance	100	-	-7.34	-10.58	-24.84
Freehold, NJ	CO	Maintenance	100	-	-0.09	-0.13	-0.32
Fresno, CA	CO	Maintenance	100	-	-4.18	-6.10	-14.73
Grand Rapids, MI	Ozone	Maintenance	100	-	-12.56	-18.13	-42.69
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-1.05	-1.50	-3.52
Grant County, NM	SO _x	Maintenance	100	-	-0.13	-0.19	-0.43
Grants Pass, OR	CO	Maintenance	100	-	-0.01	-0.02	-0.05
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-1.00	-1.43	-3.33
Great Falls, MT	CO	Maintenance	100	-	-0.97	-1.39	-3.22
Greater Connecticut, CT	Ozone	Moderate	50	-	-14.76	-21.46	-51.38
Greeley, CO	CO	Maintenance	100	-	-4.63	-6.64	-15.43
Green Bay, WI	SO _x	Maintenance	100	-	-1.70	-2.45	-5.79
Greene County, IN	Ozone	Maintenance	100	-	-2.87	-4.11	-9.54
Greene County, PA	Ozone	Maintenance	100	-	-1.98	-2.84	-6.60
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-20.64	-29.86	-70.69
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-9.32	-13.50	-32.03
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-36.75	-52.70	-122.48
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-0.23	-0.33	-0.79
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-1.89	-2.73	-6.41
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-7.75	-11.26	-26.92
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-7.62	-11.06	-26.38
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-8.10	-11.81	-28.46
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.09	-0.13	-0.31
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-0.48	-0.69	-1.64
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.03	-0.05	-0.11
Hazelwood, PA	SO _x	Maintenance	100	-	-0.74	-1.07	-2.51
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-2.04	-2.96	-7.03
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-3.64	-5.26	-12.47
Hollis Township, IL	SO _x	Maintenance	100	-	-0.01	-0.02	-0.05
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-277.15	-397.11	-921.44
Humphreys County, TN	SO _x	Maintenance	100	-	-0.12	-0.18	-0.41
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-30.44	-43.54	-100.68
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-24.99	-35.73	-82.51
Huron County, MI	Ozone	Maintenance	100	-	-0.74	-1.07	-2.50

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Imperial County, CA	Ozone	Moderate	50	-	-2.17	-3.15	-7.50
Imperial Valley, CA	PM ₁₀	Serious	70	-	-2.12	-3.08	-7.33
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-0.65	-0.94	-2.20
Indianapolis, IN	CO	Maintenance	100	-	-0.02	-0.03	-0.08
Indianapolis, IN	Ozone	Maintenance	100	-	-30.05	-43.37	-102.24
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-22.97	-33.17	-78.25
Jackson County, IN	Ozone	Maintenance	100	-	-4.51	-6.45	-14.96
Jamestown, NY	Ozone	Former Subpart 1	50	-	-2.48	-3.58	-8.43
Jefferson County, NY	Ozone	Moderate	50	-	-0.99	-1.45	-3.48
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.43	-0.61	-1.42
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-10.52	-15.08	-34.99
Johnstown, PA	Ozone	Maintenance	100	-	-2.21	-3.18	-7.45
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-2.92	-4.19	-9.79
Juneau, AK	PM ₁₀	Moderate	100	-	-0.72	-1.03	-2.39
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-10.21	-14.69	-34.45
Kalispell, MT	PM ₁₀	Moderate	100	-	-1.10	-1.58	-3.68
Kansas City, MO-KS	Ozone	Maintenance	100	-	-43.65	-62.72	-146.43
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-0.19	-0.31	-0.87
Kent, WA	PM ₁₀	Maintenance	100	-	-0.39	-0.57	-1.33
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-1.59	-2.29	-5.37
Kewaunee County, WI	Ozone	Maintenance	100	-	-0.29	-0.42	-0.99
King County, WA	PM ₁₀	Maintenance	100	-	-0.16	-0.23	-0.55
Klamath Falls, OR	CO	Maintenance	100	-	-1.81	-2.60	-6.04
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-1.81	-2.60	-6.04
Knoxville, TN	Ozone	Former Subpart 1	50	-	-40.07	-57.50	-133.83
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-33.05	-47.42	-110.30
La Porte County, IN	SO _x	Maintenance	100	-	-1.29	-1.85	-4.30
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.67	-0.97	-2.24
Lake County, IN	SO _x	Maintenance	100	-	-7.31	-10.51	-24.57
Lake County, OH	SO _x	Maintenance	100	-	-0.20	-0.30	-0.73
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.24	-0.34	-0.80
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-0.08	-0.12	-0.32
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-0.20	-0.30	-0.76
Lake Tahoe, NV	CO	Maintenance	100	-	-0.19	-0.27	-0.65
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.79	-1.13	-2.62
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.02	-0.02	-0.06
Lancaster, PA	Ozone	Maintenance	100	-	-2.44	-3.59	-8.79
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-2.44	-3.59	-8.79
Lane County, OR	PM ₁₀	Moderate	100	-	-0.05	-0.07	-0.15
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-3.31	-4.83	-11.69
LaPorte, IN	Ozone	Maintenance	100	-	-3.61	-5.18	-12.05
Las Vegas, NV	CO	Serious	100	-	-12.25	-17.83	-42.76
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-12.44	-18.11	-43.43
Lauderdale County, AL	SO _x	Maintenance	100	-	-0.56	-0.82	-2.00
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.06	-0.09	-0.20
Libby, MT	PM ₁₀	Moderate	100	-	-0.10	-0.14	-0.32
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.13	-0.18	-0.43
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.26	-0.38	-0.89
Lima, OH	Ozone	Maintenance	100	-	-8.23	-11.78	-27.26

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Longmont, CO	CO	Maintenance	100	-	-0.31	-0.46	-1.15
Lorain County, OH	SO _x	Maintenance	100	-	-0.36	-0.52	-1.25
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-129.95	-189.01	-452.92
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	-129.95	-189.01	-452.92
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-129.95	-189.01	-452.92
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-129.95	-189.02	-452.92
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-129.94	-189.00	-452.90
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-4.40	-6.44	-15.61
Louisville, KY-IN	Ozone	Maintenance	100	-	-13.40	-19.40	-46.03
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-13.53	-19.57	-46.37
Lowell, MA	CO	Maintenance	100	-	-0.62	-0.91	-2.23
Lucas County, OH	SO _x	Maintenance	100	-	-3.47	-5.03	-11.95
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.49	-0.71	-1.71
Macon, GA	Ozone	Maintenance	100	-	-8.07	-11.57	-26.91
Macon, GA	PM _{2.5}	Nonattainment	100	-	-8.01	-11.48	-26.70
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.06	-0.09	-0.20
Madison, WI	SO _x	Maintenance	100	-	-2.78	-4.03	-9.56
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.16	-0.24	-0.56
Manchester, NH	CO	Maintenance	100	-	-0.16	-0.25	-0.67
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-0.50	-0.74	-1.82
Marion County, IN	SO _x	Maintenance	100	-	-6.90	-9.92	-23.23
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-0.80	-1.16	-2.80
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-9.03	-12.97	-30.26
Mason County, MI	Ozone	Maintenance	100	-	-0.56	-0.81	-1.90
Medford, OR	CO	Maintenance	100	-	-0.37	-0.55	-1.34
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-0.88	-1.30	-3.20
Memphis, TN-AR	Ozone	Maintenance	100	-	-20.89	-30.07	-70.47
Memphis, TN	CO	Maintenance	100	-	-13.55	-19.57	-46.18
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-0.41	-0.59	-1.40
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.10	-0.14	-0.33
Milwaukee, WI	SO _x	Maintenance	100	-	-6.06	-8.77	-20.83
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-17.91	-25.98	-61.92
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-68.52	-98.51	-230.29
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-50.43	-72.65	-170.62
Missoula, MT	CO	Maintenance	100	-	-4.06	-5.82	-13.48
Missoula, MT	PM ₁₀	Moderate	100	-	-3.94	-5.64	-13.06
Modesto, CA	CO	Maintenance	100	-	-4.11	-5.94	-14.02
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-1.26	-1.82	-4.31
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.03	-0.04	-0.09
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.04	-0.06	-0.15
Morristown, NJ	CO	Maintenance	100	-	-0.18	-0.26	-0.63
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.90	-1.29	-3.01
Muncie, IN	Ozone	Maintenance	100	-	-6.48	-9.28	-21.52
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.11	-0.16	-0.38
Muscatine County, IA	SO _x	Maintenance	100	-	-0.45	-0.64	-1.50
Muskegon, MI	Ozone	Maintenance	100	-	-3.39	-4.86	-11.36
Nashua, NH	CO	Maintenance	100	-	-0.13	-0.20	-0.53
Nashville, TN	Ozone	Former Subpart 1	50	-	-18.94	-27.42	-65.05

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Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-1.13	-1.64	-3.93
New Haven County, CT	PM ₁₀	Maintenance	100	-	-3.18	-4.57	-10.70
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-17.66	-25.40	-59.46
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.25	-0.36	-0.83
New York County, NY	PM ₁₀	Moderate	100	-	-34.05	-48.75	-112.86
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-141.75	-204.24	-479.75
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-207.45	-299.68	-707.76
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-202.33	-292.34	-690.71
Nogales, AZ	PM ₁₀	Moderate	100	-	-0.50	-0.73	-1.72
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-28.96	-41.73	-97.98
Ogden, UT	CO	Maintenance	100	-	-0.50	-0.74	-1.78
Ogden, UT	PM ₁₀	Moderate	100	-	-0.50	-0.74	-1.78
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.03	-0.04	-0.09
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.41	-0.59	-1.39
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-1.25	-1.81	-4.28
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.05	-0.08	-0.18
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-4.26	-6.12	-14.27
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-4.52	-6.50	-15.14
Payson, AZ	PM ₁₀	Maintenance	100	-	-0.27	-0.40	-0.93
Penns Grove, NJ	CO	Maintenance	100	-	-0.00	-0.01	-0.01
Peoria, IL	SO _x	Maintenance	100	-	-0.59	-0.86	-2.10
Perth Amboy, NJ	CO	Maintenance	100	-	-1.32	-1.90	-4.46
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-3.73	-5.41	-12.94
Philadelaphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-94.93	-136.60	-319.93
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-111.12	-160.20	-376.71
Phoenix, AZ	CO	Maintenance	100	-	-22.43	-33.03	-81.18
Phoenix, AZ	PM ₁₀	Serious	70	-	-23.34	-34.36	-84.42
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-23.42	-34.49	-84.73
Pierce County, WA	PM ₁₀	Maintenance	100	-	-0.56	-0.80	-1.85
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.04	-0.05	-0.12
Pittsburgh, PA	CO	Maintenance	100	-	-0.41	-0.59	-1.40
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-34.59	-49.86	-117.25
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-29.19	-42.11	-99.19
Polk County, TN	SO _x	Maintenance	100	-	-0.75	-1.08	-2.50
Polson, MT	PM ₁₀	Moderate	100	-	-0.04	-0.06	-0.14
Portland, ME	Ozone	Maintenance	100	-	-7.04	-10.18	-24.10
Portland, OR	CO	Maintenance	100	-	-11.56	-16.77	-40.00
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-1.58	-2.27	-5.28
Poughkeepsie, NY	Ozone	Moderate	50	-	-9.85	-14.37	-34.64
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.26	-0.38	-0.88
Providence (entire State), RI	Ozone	Moderate	50	-	-16.08	-23.18	-54.55
Provo, UT	CO	Maintenance	100	-	-1.70	-2.46	-5.86
Raleigh-Durham, NC	CO	Maintenance	100	-	-8.07	-11.82	-28.72
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-12.57	-18.35	-44.29
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.05	-0.07	-0.16

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Reading, PA	Ozone	Maintenance	100	-	-4.12	-5.95	-14.11
Reading, PA	PM _{2.5}	Nonattainment	100	-	-4.12	-5.95	-14.11
Reno, NV	CO	Maintenance	100	-	-2.77	-4.02	-9.54
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.02	-0.03	-0.08
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-13.43	-19.46	-46.27
Rillito, AZ	PM ₁₀	Moderate	100	-	-0.55	-0.80	-1.90
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-1.54	-2.33	-6.07
Roanoke, VA	Ozone	Former Subpart 1	50	-	-6.51	-9.36	-21.88
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-1.52	-2.19	-5.14
Rochester, NY	Ozone	Former Subpart 1	50	-	-13.03	-18.92	-45.15
Rocky Mount, NC	Ozone	Maintenance	100	-	-3.59	-5.17	-12.13
Rome, GA	PM _{2.5}	Nonattainment	100	-	-3.96	-5.68	-13.22
Ronan, MT	PM ₁₀	Moderate	100	-	-0.02	-0.02	-0.06
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.08	-0.11	-0.26
Sacramento County, CA	PM ₁₀	Moderate	100	-	-8.74	-12.81	-31.17
Sacramento Metro, CA	Ozone	Severe	25	-	-21.58	-31.41	-75.31
Sacramento, CA	CO	Maintenance	100	-	-9.79	-14.34	-34.88
Salem, OR	CO	Maintenance	100	-	-1.10	-1.61	-3.86
Salt Lake City, UT	CO	Maintenance	100	-	-2.40	-3.47	-8.24
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-7.94	-11.58	-27.86
Salt Lake County, UT	SO _x	Nonattainment	100	-	-6.98	-10.21	-24.70
San Antonio, TX	Ozone	Former Subpart 1	50	-	-53.30	-76.55	-178.51
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-2.13	-3.14	-7.72
San Diego, CA	CO	Maintenance	100	-	-17.83	-26.38	-65.42
San Diego, CA	Ozone	Former Subpart 1	50	-	-17.86	-26.43	-65.53
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-94.82	-136.85	-322.58
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-98.18	-141.84	-335.07
San Joaquin Valley, CA	Ozone	Extreme	10	-	-54.88	-79.37	-187.94
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-55.27	-79.93	-189.25
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-54.88	-79.37	-187.94
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-0.24	-0.35	-0.85
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.04	-0.05	-0.12
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-9.60	-13.86	-32.71
Seattle-Tacoma, WA	CO	Maintenance	100	-	-43.65	-63.01	-148.58
Sheboygan, WI	Ozone	Moderate	50	-	-1.45	-2.10	-4.96
Sheridan, WY	PM ₁₀	Moderate	100	-	-1.28	-1.83	-4.25
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	-0.08	-0.12	-0.30
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-6.77	-9.77	-23.03
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-1.41	-2.05	-4.94
Spokane County, WA	PM ₁₀	Maintenance	100	-	-5.74	-8.27	-19.39
Spokane, WA	CO	Maintenance	100	-	-5.68	-8.19	-19.20
Springfield (western MA), MA	Ozone	Moderate	50	-	-5.11	-7.50	-18.32
Springfield, MA	CO	Maintenance	100	-	-0.92	-1.35	-3.27
St Louis, MO	CO	Maintenance	100	-	-32.73	-46.97	-109.33
St Louis, MO-IL	Ozone	Moderate	50	-	-82.36	-118.31	-276.09
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-82.21	-118.10	-275.58
State College, PA	Ozone	Maintenance	100	-	-0.71	-1.05	-2.62

Table B1-17
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Volatile Organic Compound (VOC) 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.35	-0.51	-1.20
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-2.33	-3.34	-7.74
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-5.92	-8.48	-19.66
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-5.92	-8.48	-19.66
Stockton, CA	CO	Maintenance	100	-	-4.67	-6.77	-16.10
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-12.64	-18.17	-42.47
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.05
Terre Haute, IN	Ozone	Maintenance	100	-	-5.31	-7.62	-17.71
Tioga County, PA	Ozone	Maintenance	100	-	-0.46	-0.68	-1.63
Toledo, OH	Ozone	Maintenance	100	-	-15.78	-22.66	-52.87
Toms River, NJ	CO	Maintenance	100	-	-0.49	-0.72	-1.76
Tooele County, UT	SO _x	Nonattainment	100	-	-2.75	-3.96	-9.23
Trenton, NJ	CO	Maintenance	100	-	-0.59	-0.86	-2.08
Trona, CA	PM ₁₀	Moderate	100	-	-0.02	-0.02	-0.06
Tucson, AZ	CO	Maintenance	100	-	-11.56	-16.73	-39.68
Utah County, UT	PM ₁₀	Moderate	100	-	-5.11	-7.40	-17.61
Vancouver, WA	CO	Maintenance	100	-	-2.91	-4.23	-10.08
Ventura County, CA	Ozone	Serious	50	-	-4.38	-6.44	-15.78
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.52	-0.75	-1.73
Vigo County, IN	SO _x	Maintenance	100	-	-5.31	-7.62	-17.71
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-0.31	-0.46	-1.13
Warren County, NJ	SO _x	Maintenance	100	-	-0.21	-0.31	-0.76
Warren County, PA	SO _x	Nonattainment	100	-	-0.16	-0.23	-0.54
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-6.32	-9.07	-21.16
Washington, DC-MD-VA	CO	Maintenance	100	-	-7.91	-11.66	-28.67
Washington, DC-MD-VA	Ozone	Moderate	50	-	-32.55	-47.69	-116.03
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-30.36	-44.54	-108.65
Washoe County, NV	PM ₁₀	Serious	70	-	-2.77	-4.02	-9.54
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.19	-0.27	-0.63
Wayne County, IN	SO _x	Maintenance	100	-	-2.29	-3.29	-7.66
Wayne County, MI	PM ₁₀	Maintenance	100	-	-4.54	-6.50	-15.07
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.40	-0.57	-1.32
Weirton, WV	SO _x	Maintenance	100	-	-0.52	-0.75	-1.74
Wheeling, WV-OH	Ozone	Maintenance	100	-	-5.74	-8.23	-19.15
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-5.74	-8.23	-19.15
Winston-Salem, NC	CO	Maintenance	100	-	-5.59	-8.07	-19.07
Worcester, MA	CO	Maintenance	100	-	-0.97	-1.44	-3.56
Yakima County, WA	PM ₁₀	Maintenance	100	-	-2.52	-3.62	-8.45
Yakima, WA	CO	Maintenance	100	-	-1.01	-1.45	-3.38
York, PA	Ozone	Maintenance	100	-	-5.91	-8.54	-20.18
York, PA	PM _{2.5}	Nonattainment	100	-	-3.82	-5.53	-13.15
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-7.59	-10.98	-26.07
Yuma, AZ	PM ₁₀	Moderate	100	-	-2.72	-3.92	-9.25

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

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

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

Source: EPA, 2008.

Table B1-18
Emission Changes μ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Volatile Organic Compound (VOC) 2025

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.16	-0.27	-0.53
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.11	-0.20	-0.43
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.12	-0.21	-0.45
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-41.18	-72.62	-151.12
Albuquerque, NM	CO	Maintenance	100	-	-16.52	-29.37	-62.17
Allegan County, MI	Ozone	Former Subpart 1	50	-	-7.16	-12.39	-24.73
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-12.09	-22.00	-48.78
Altoona, PA	Ozone	Maintenance	100	-	-6.53	-11.20	-21.92
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-1.07	-2.30	-6.62
Anchorage, AK	CO	Maintenance	100	-	-11.34	-19.35	-37.37
Anthony, NM	PM ₁₀	Moderate	100	-	-0.56	-0.96	-1.87
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.03	-0.07	-0.19
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.52	-0.89	-1.72
Atlanta, GA	Ozone	Moderate	50	-	-198.06	-351.01	-738.03
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-198.36	-351.52	-739.02
Atlantic City, NJ	CO	Maintenance	100	-	-0.65	-1.24	-3.01
Bakersfield, CA	CO	Maintenance	100	-	-24.19	-41.69	-82.50
Baltimore, MD	CO	Maintenance	100	-	-0.51	-0.89	-1.76
Baltimore, MD	Ozone	Moderate	50	-	-43.11	-81.18	-191.69
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-43.11	-81.18	-191.68
Baton Rouge, LA	Ozone	Moderate	50	-	-108.06	-182.32	-343.05
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-180.95	-302.82	-558.29
Benton County, TN	SO _x	Maintenance	100	-	-0.21	-0.35	-0.65
Benton Harbor, MI	Ozone	Maintenance	100	-	-14.08	-24.02	-46.45
Benzie County, MI	Ozone	Maintenance	100	-	-1.38	-2.38	-4.67
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-9.35	-16.04	-31.40
Billings, MT	CO	Maintenance	100	-	-48.98	-81.86	-150.41
Birmingham, AL	Ozone	Maintenance	100	-	-29.78	-52.80	-111.11
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-29.98	-53.14	-111.77
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-26.70	-45.52	-87.79
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-26.70	-45.52	-87.79
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-1.17	-1.99	-3.88
Boston, MA	CO	Maintenance	100	-	-13.42	-25.02	-58.08
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-60.04	-115.99	-286.02
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-5.57	-11.32	-30.13
Boyd County (part), KY	SO _x	Maintenance	100	-	-2.88	-4.83	-8.95
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-27.80	-49.93	-107.89
Burlington, NJ	CO	Maintenance	100	-	-0.12	-0.22	-0.52
Butte, MT	PM ₁₀	Moderate	100	-	-4.07	-6.85	-12.80
Canon City, CO	PM ₁₀	Maintenance	100	-	-1.81	-3.08	-5.90
Canton-Massillon, OH	Ozone	Maintenance	100	-	-21.09	-36.06	-70.08
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-21.09	-36.06	-70.08
Case County, MI	Ozone	Maintenance	100	-	-2.69	-4.63	-9.07
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.07	-0.12	-0.23
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.91	-1.53	-2.88
Charleston, WV	Ozone	Maintenance	100	-	-6.51	-11.72	-25.40

Table B1-18
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Volatile Organic Compound (VOC) 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-6.51	-11.72	-25.40
Charlotte, NC	CO	Maintenance	100	-	-14.10	-25.79	-57.80
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-53.46	-94.25	-195.96
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-49.79	-84.69	-162.47
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-45.59	-77.53	-148.70
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-163.20	-294.03	-639.36
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-172.71	-310.64	-673.16
Chico, CA	CO	Maintenance	100	-	-3.35	-5.93	-12.40
Chico, CA	Ozone	Former Subpart 1	50	-	-7.73	-13.66	-28.57
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-51.21	-91.50	-195.65
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-47.57	-85.25	-183.42
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.63	-1.10	-2.20
Clark County, NV	PM ₁₀	Serious	70	-	-28.68	-52.50	-117.68
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-27.55	-46.73	-89.04
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-15.45	-26.32	-50.64
Cleveland, OH	CO	Maintenance	100	-	-27.67	-49.03	-103.07
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-54.69	-99.17	-218.42
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-50.21	-91.08	-200.73
Coachella Valley, CA	PM ₁₀	Serious	70	-	-3.02	-7.03	-22.16
Colbert County, AL	SO _x	Maintenance	100	-	-4.69	-8.00	-15.47
Colorado Springs, CO	CO	Maintenance	100	-	-33.56	-57.78	-114.04
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.50	-0.86	-1.65
Columbia, SC	Ozone	Former Subpart 1	50	-	-54.76	-93.30	-179.71
Columbus, OH	Ozone	Maintenance	100	-	-58.16	-102.19	-210.94
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-49.68	-87.67	-182.68
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.09	-0.16	-0.33
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.04
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-27.67	-49.03	-103.07
Cuyahoga County, OH	SO _x	Maintenance	100	-	-22.62	-40.09	-84.28
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-187.15	-333.68	-710.45
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-25.62	-45.31	-94.83
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-22.18	-39.27	-82.40
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-48.39	-89.97	-207.65
Denver-Boulder, CO	CO	Maintenance	100	-	-47.46	-88.02	-202.19
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-88.38	-158.54	-341.70
Detroit, MI	CO	Maintenance	100	-	-58.13	-101.83	-208.94
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-142.27	-251.55	-526.35
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-136.06	-240.93	-505.71
Door County, WI	Ozone	Former Subpart 1	50	-	-0.33	-0.67	-1.75
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-1.04	-1.84	-3.87
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-0.82	-1.46	-3.06
Duluth, MN	CO	Maintenance	100	-	-6.15	-10.51	-20.35
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.68	-1.17	-2.26
East Chicago, IN	CO	Maintenance	100	-	-0.06	-0.11	-0.21
East Chicago, IN	PM ₁₀	Maintenance	100	-	-36.18	-60.94	-114.16
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.08	-0.14	-0.26
El Paso County, TX	PM ₁₀	Moderate	100	-	-21.95	-38.10	-76.60
El Paso, TX	CO	Maintenance	100	-	-1.15	-2.02	-4.14

Table B1-18
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Volatile Organic Compound (VOC) 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Erie, PA	Ozone	Maintenance	100	-	-6.51	-11.56	-24.41
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.02	-0.04	-0.09
Eugene-Springfield, OR	CO	Maintenance	100	-	-17.05	-29.14	-56.52
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-16.30	-27.85	-54.01
Evansville, IN	Ozone	Maintenance	100	-	-11.04	-19.19	-38.70
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-18.42	-31.72	-62.62
Fairbanks, AK	CO	Maintenance	100	-	-2.30	-3.89	-7.35
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-5.65	-10.33	-23.14
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.66	-1.12	-2.15
Flint, MI	Ozone	Maintenance	100	-	-13.53	-24.17	-51.66
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.10	-0.17	-0.33
Fort Collins, CO	CO	Maintenance	100	-	-7.76	-13.49	-27.18
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.06	-0.11	-0.21
Fort Wayne, IN	Ozone	Maintenance	100	-	-31.62	-53.84	-103.55
Franklin County, PA	Ozone	Maintenance	100	-	-11.14	-19.04	-36.96
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.06	-0.11	-0.21
Frederick County, VA	Ozone	Former Subpart 1	50	-	-17.83	-30.12	-56.85
Fredericksburg, VA	Ozone	Maintenance	100	-	-17.74	-30.87	-62.37
Freehold, NJ	CO	Maintenance	100	-	-0.21	-0.40	-0.98
Fresno, CA	CO	Maintenance	100	-	-9.55	-17.75	-40.99
Grand Rapids, MI	Ozone	Maintenance	100	-	-30.31	-53.05	-108.62
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-2.52	-4.33	-8.49
Grant County, NM	SO _x	Maintenance	100	-	-0.32	-0.53	-1.01
Grants Pass, OR	CO	Maintenance	100	-	-0.03	-0.06	-0.11
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-2.46	-4.20	-8.14
Great Falls, MT	CO	Maintenance	100	-	-2.37	-4.01	-7.61
Greater Connecticut, CT	Ozone	Moderate	50	-	-35.04	-63.53	-139.84
Greeley, CO	CO	Maintenance	100	-	-11.40	-19.38	-37.15
Green Bay, WI	SO _x	Maintenance	100	-	-4.04	-7.12	-14.78
Greene County, IN	Ozone	Maintenance	100	-	-7.08	-11.95	-22.52
Greene County, PA	Ozone	Maintenance	100	-	-4.88	-8.27	-15.75
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-49.63	-87.78	-183.78
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-22.35	-39.75	-84.21
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-90.37	-153.41	-292.97
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-0.55	-0.98	-2.12
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-4.57	-7.97	-16.22
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-18.31	-33.19	-73.02
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-18.06	-32.57	-70.93
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-19.07	-35.10	-79.52
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.22	-0.39	-0.86
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-1.15	-2.05	-4.30
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.07	-0.14	-0.33
Hazelwood, PA	SO _x	Maintenance	100	-	-1.83	-3.17	-6.37
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-4.91	-8.73	-18.53
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-8.75	-15.50	-32.56
Hollis Township, IL	SO _x	Maintenance	100	-	-0.03	-0.06	-0.15
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-681.96	-1,154.14	-2,187.77
Humphreys County, TN	SO _x	Maintenance	100	-	-0.30	-0.51	-0.97

Table B1-18
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Volatile Organic Compound (VOC) 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-75.27	-126.39	-235.01
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-61.88	-103.64	-191.48
Huron County, MI	Ozone	Maintenance	100	-	-1.82	-3.12	-6.11
Imperial County, CA	Ozone	Moderate	50	-	-5.13	-9.24	-20.05
Imperial Valley, CA	PM ₁₀	Serious	70	-	-5.02	-9.03	-19.60
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-1.49	-2.59	-5.21
Indianapolis, IN	CO	Maintenance	100	-	-0.05	-0.09	-0.18
Indianapolis, IN	Ozone	Maintenance	100	-	-72.47	-127.03	-260.97
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-55.34	-97.18	-200.45
Jackson County, IN	Ozone	Maintenance	100	-	-11.11	-18.76	-35.38
Jamestown, NY	Ozone	Former Subpart 1	50	-	-6.01	-10.50	-21.42
Jefferson County, NY	Ozone	Moderate	50	-	-2.34	-4.29	-9.62
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-1.04	-1.76	-3.32
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-25.91	-43.86	-83.17
Johnstown, PA	Ozone	Maintenance	100	-	-5.40	-9.32	-18.47
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-7.12	-12.22	-23.90
Juneau, AK	PM ₁₀	Moderate	100	-	-1.80	-3.03	-5.68
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-24.84	-42.97	-85.75
Kalispell, MT	PM ₁₀	Moderate	100	-	-2.70	-4.60	-8.82
Kansas City, MO-KS	Ozone	Maintenance	100	-	-106.58	-182.83	-357.86
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-0.32	-0.98	-3.88
Kent, WA	PM ₁₀	Maintenance	100	-	-0.97	-1.69	-3.44
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-3.68	-6.39	-12.86
Kewaunee County, WI	Ozone	Maintenance	100	-	-0.69	-1.23	-2.61
King County, WA	PM ₁₀	Maintenance	100	-	-0.39	-0.69	-1.41
Klamath Falls, OR	CO	Maintenance	100	-	-4.45	-7.57	-14.53
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-4.45	-7.57	-14.53
Knoxville, TN	Ozone	Former Subpart 1	50	-	-98.14	-167.28	-322.52
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-81.04	-137.94	-265.08
La Porte County, IN	SO _x	Maintenance	100	-	-3.17	-5.39	-10.34
LaGrande, OR	PM ₁₀	Maintenance	100	-	-1.68	-2.85	-5.42
Lake County, IN	SO _x	Maintenance	100	-	-17.76	-30.55	-60.17
Lake County, OH	SO _x	Maintenance	100	-	-0.47	-0.89	-2.15
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.59	-1.01	-1.93
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-0.17	-0.37	-1.10
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-0.42	-0.90	-2.55
Lake Tahoe, NV	CO	Maintenance	100	-	-0.44	-0.79	-1.74
Lamar, CO	PM ₁₀	Maintenance	100	-	-1.96	-3.29	-6.13
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.04	-0.07	-0.15
Lancaster, PA	Ozone	Maintenance	100	-	-5.59	-10.73	-26.13
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-5.59	-10.73	-26.13
Lane County, OR	PM ₁₀	Moderate	100	-	-0.11	-0.18	-0.35
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-7.73	-14.37	-33.17
LaPorte, IN	Ozone	Maintenance	100	-	-8.87	-15.09	-28.95
Las Vegas, NV	CO	Serious	100	-	-28.68	-52.50	-117.68
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-29.11	-53.27	-119.42
Lauderdale County, AL	SO _x	Maintenance	100	-	-1.31	-2.46	-5.76
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.15	-0.25	-0.48
Libby, MT	PM ₁₀	Moderate	100	-	-0.23	-0.40	-0.80

Table B1-18
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.31	-0.54	-1.07
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.63	-1.10	-2.20
Lima, OH	Ozone	Maintenance	100	-	-20.32	-34.20	-63.99
Longmont, CO	CO	Maintenance	100	-	-0.67	-1.40	-3.88
Lorain County, OH	SO _x	Maintenance	100	-	-0.84	-1.55	-3.50
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-305.83	-557.36	-1,239.34
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	-305.83	-557.36	-1,239.34
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-305.83	-557.36	-1,239.34
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-305.84	-557.37	-1,239.36
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-305.82	-557.33	-1,239.28
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-10.17	-19.11	-44.94
Louisville, KY-IN	Ozone	Maintenance	100	-	-32.17	-57.13	-120.65
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-32.51	-57.58	-120.95
Lowell, MA	CO	Maintenance	100	-	-1.46	-2.79	-6.74
Lucas County, OH	SO _x	Maintenance	100	-	-8.35	-14.84	-31.42
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-1.15	-2.11	-4.75
Macon, GA	Ozone	Maintenance	100	-	-19.84	-33.72	-64.57
Macon, GA	PM _{2.5}	Nonattainment	100	-	-19.69	-33.45	-64.05
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.15	-0.25	-0.50
Madison, WI	SO _x	Maintenance	100	-	-6.67	-11.89	-25.26
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.40	-0.70	-1.41
Manchester, NH	CO	Maintenance	100	-	-0.31	-0.77	-2.52
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-1.15	-2.23	-5.53
Marion County, IN	SO _x	Maintenance	100	-	-16.80	-28.98	-57.42
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-1.84	-3.41	-7.87
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-22.10	-37.82	-73.65
Mason County, MI	Ozone	Maintenance	100	-	-1.37	-2.37	-4.71
Medford, OR	CO	Maintenance	100	-	-0.83	-1.63	-4.11
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-1.99	-3.89	-9.81
Memphis, TN-AR	Ozone	Maintenance	100	-	-50.93	-87.99	-175.05
Memphis, TN	CO	Maintenance	100	-	-32.78	-57.49	-118.25
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-0.99	-1.74	-3.60
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.23	-0.40	-0.80
Milwaukee, WI	SO _x	Maintenance	100	-	-14.69	-26.12	-55.35
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-42.62	-76.58	-165.64
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-167.04	-287.40	-566.35
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-122.20	-212.41	-428.36
Missoula, MT	CO	Maintenance	100	-	-10.00	-16.85	-31.64
Missoula, MT	PM ₁₀	Moderate	100	-	-9.68	-16.33	-30.65
Modesto, CA	CO	Maintenance	100	-	-9.78	-17.27	-36.02
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-3.02	-5.36	-11.29
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.06	-0.11	-0.21
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.11	-0.19	-0.40
Morristown, NJ	CO	Maintenance	100	-	-0.42	-0.80	-1.93
Muhlenberg County, KY	SO _x	Maintenance	100	-	-2.20	-3.76	-7.29
Muncie, IN	Ozone	Maintenance	100	-	-15.98	-26.99	-50.93
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.28	-0.48	-0.95
Muscatine County, IA	SO _x	Maintenance	100	-	-1.11	-1.89	-3.67
Muskegon, MI	Ozone	Maintenance	100	-	-8.27	-14.19	-27.77
Nashua, NH	CO	Maintenance	100	-	-0.25	-0.61	-2.01

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Nashville, TN	Ozone	Former Subpart 1	50	-	-45.25	-80.52	-170.77
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-2.61	-4.79	-10.80
New Haven County, CT	PM ₁₀	Maintenance	100	-	-8.04	-13.83	-27.26
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-43.06	-74.22	-146.85
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.62	-1.05	-2.01
New York County, NY	PM ₁₀	Moderate	100	-	-84.11	-141.60	-265.00
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-344.24	-598.12	-1,205.16
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-499.98	-879.60	-1,821.10
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-487.40	-858.26	-1,780.33
Nogales, AZ	PM ₁₀	Moderate	100	-	-1.20	-2.13	-4.48
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-70.34	-122.13	-245.72
Ogden, UT	CO	Maintenance	100	-	-1.18	-2.19	-5.02
Ogden, UT	PM ₁₀	Moderate	100	-	-1.18	-2.19	-5.02
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.06	-0.11	-0.23
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.96	-1.66	-3.34
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-2.96	-5.27	-11.18
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.13	-0.23	-0.47
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.02
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-10.44	-17.85	-34.67
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-11.10	-18.95	-36.70
Payson, AZ	PM ₁₀	Maintenance	100	-	-0.65	-1.15	-2.38
Penns Grove, NJ	CO	Maintenance	100	-	-0.01	-0.02	-0.04
Peoria, IL	SO _x	Maintenance	100	-	-1.37	-2.59	-6.18
Perth Amboy, NJ	CO	Maintenance	100	-	-3.29	-5.72	-11.59
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-8.90	-16.05	-34.96
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-231.27	-399.27	-793.04
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-269.35	-469.22	-950.97
Phoenix, AZ	CO	Maintenance	100	-	-49.51	-97.22	-246.01
Phoenix, AZ	PM ₁₀	Serious	70	-	-51.59	-101.14	-255.24
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-51.77	-101.48	-256.12
Pierce County, WA	PM ₁₀	Maintenance	100	-	-1.35	-2.29	-4.33
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.09	-0.15	-0.30
Pittsburgh, PA	CO	Maintenance	100	-	-1.05	-1.83	-3.68
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-83.94	-146.14	-295.78
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-70.72	-123.57	-252.09
Polk County, TN	SO _x	Maintenance	100	-	-1.84	-3.13	-6.02
Polson, MT	PM ₁₀	Moderate	100	-	-0.10	-0.18	-0.38
Portland, ME	Ozone	Maintenance	100	-	-16.88	-29.88	-62.69
Portland, OR	CO	Maintenance	100	-	-27.53	-49.50	-107.19
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-3.87	-6.58	-12.64
Poughkeepsie, NY	Ozone	Moderate	50	-	-22.88	-42.40	-97.25
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.66	-1.12	-2.18
Providence (entire State), RI	Ozone	Moderate	50	-	-38.87	-67.86	-138.14
Provo, UT	CO	Maintenance	100	-	-4.08	-7.31	-15.71
Raleigh-Durham, NC	CO	Maintenance	100	-	-18.58	-35.04	-82.94

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-29.22	-54.25	-124.88
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.11	-0.19	-0.38
Reading, PA	Ozone	Maintenance	100	-	-9.88	-17.51	-36.80
Reading, PA	PM _{2.5}	Nonattainment	100	-	-9.88	-17.51	-36.80
Reno, NV	CO	Maintenance	100	-	-6.61	-11.77	-25.04
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.06	-0.10	-0.20
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-32.11	-57.33	-122.42
Rillito, AZ	PM ₁₀	Moderate	100	-	-1.35	-2.41	-5.10
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-3.02	-7.03	-22.16
Roanoke, VA	Ozone	Former Subpart 1	50	-	-15.92	-27.35	-53.71
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-3.66	-6.35	-12.75
Rochester, NY	Ozone	Former Subpart 1	50	-	-31.01	-55.86	-121.39
Rocky Mount, NC	Ozone	Maintenance	100	-	-8.73	-15.14	-30.32
Rome, GA	PM _{2.5}	Nonattainment	100	-	-9.70	-16.54	-31.93
Ronan, MT	PM ₁₀	Moderate	100	-	-0.04	-0.07	-0.15
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.19	-0.32	-0.62
Sacramento County, CA	PM ₁₀	Moderate	100	-	-19.88	-37.80	-90.75
Sacramento Metro, CA	Ozone	Severe	25	-	-50.18	-92.02	-207.07
Sacramento, CA	CO	Maintenance	100	-	-22.17	-42.16	-101.23
Salem, OR	CO	Maintenance	100	-	-2.59	-4.73	-10.54
Salt Lake City, UT	CO	Maintenance	100	-	-5.73	-10.22	-21.73
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-18.63	-34.26	-77.50
Salt Lake County, UT	SO _x	Nonattainment	100	-	-16.25	-30.29	-70.26
San Antonio, TX	Ozone	Former Subpart 1	50	-	-130.32	-222.99	-433.92
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-4.68	-9.14	-22.95
San Diego, CA	CO	Maintenance	100	-	-39.36	-78.56	-203.85
San Diego, CA	Ozone	Former Subpart 1	50	-	-39.43	-78.70	-204.22
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-228.25	-400.39	-823.76
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-235.69	-415.44	-863.61
San Joaquin Valley, CA	Ozone	Extreme	10	-	-131.05	-232.60	-490.65
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-131.89	-234.07	-493.61
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-131.05	-232.60	-490.65
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-0.57	-1.06	-2.42
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.09	-0.15	-0.28
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-23.16	-40.68	-83.95
Seattle-Tacoma, WA	CO	Maintenance	100	-	-104.95	-184.23	-379.63
Sheboygan, WI	Ozone	Moderate	50	-	-3.47	-6.15	-12.96
Sheridan, WY	PM ₁₀	Moderate	100	-	-3.11	-5.26	-9.91
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	-0.19	-0.36	-0.92
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-16.35	-28.65	-58.85
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-3.23	-5.93	-13.37
Spokane County, WA	PM ₁₀	Maintenance	100	-	-13.88	-24.05	-48.21
Spokane, WA	CO	Maintenance	100	-	-13.74	-23.81	-47.72
Springfield (western MA), MA	Ozone	Moderate	50	-	-11.79	-22.43	-53.91
Springfield, MA	CO	Maintenance	100	-	-2.19	-4.10	-9.58
St Louis, MO	CO	Maintenance	100	-	-80.57	-137.14	-263.54
St Louis, MO-IL	Ozone	Moderate	50	-	-201.63	-345.26	-672.97

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Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Volatile Organic Compound (VOC) 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-201.28	-344.62	-671.53
State College, PA	Ozone	Maintenance	100	-	-1.58	-3.16	-8.25
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.87	-1.51	-3.02
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-5.74	-9.71	-18.33
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-14.62	-24.66	-46.39
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-14.62	-24.66	-46.39
Stockton, CA	CO	Maintenance	100	-	-11.11	-19.97	-43.21
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-30.88	-53.07	-104.30
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.03	-0.06	-0.13
Terre Haute, IN	Ozone	Maintenance	100	-	-13.07	-22.19	-42.40
Tioga County, PA	Ozone	Maintenance	100	-	-1.10	-2.01	-4.49
Toledo, OH	Ozone	Maintenance	100	-	-38.65	-66.12	-128.62
Toms River, NJ	CO	Maintenance	100	-	-1.12	-2.18	-5.42
Tooele County, UT	SO _x	Nonattainment	100	-	-6.73	-11.53	-22.51
Trenton, NJ	CO	Maintenance	100	-	-1.39	-2.59	-6.01
Trona, CA	PM ₁₀	Moderate	100	-	-0.03	-0.07	-0.17
Tucson, AZ	CO	Maintenance	100	-	-27.60	-49.10	-104.05
Utah County, UT	PM ₁₀	Moderate	100	-	-12.14	-21.75	-46.74
Vancouver, WA	CO	Maintenance	100	-	-6.82	-12.33	-27.02
Ventura County, CA	Ozone	Serious	50	-	-9.88	-19.08	-47.06
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-1.29	-2.17	-4.06
Vigo County, IN	SO _x	Maintenance	100	-	-13.07	-22.19	-42.40
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-0.73	-1.39	-3.35
Warren County, NJ	SO _x	Maintenance	100	-	-0.49	-0.93	-2.22
Warren County, PA	SO _x	Nonattainment	100	-	-0.37	-0.67	-1.42
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-15.48	-26.46	-51.37
Washington, DC-MD-VA	CO	Maintenance	100	-	-18.19	-35.20	-87.00
Washington, DC-MD-VA	Ozone	Moderate	50	-	-74.90	-141.66	-337.03
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-69.60	-132.48	-318.65
Washoe County, NV	PM ₁₀	Serious	70	-	-6.61	-11.77	-25.04
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.46	-0.79	-1.49
Wayne County, IN	SO _x	Maintenance	100	-	-5.64	-9.62	-18.59
Wayne County, MI	PM ₁₀	Maintenance	100	-	-11.35	-19.14	-35.99
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.96	-1.64	-3.12
Weirton, WV	SO _x	Maintenance	100	-	-1.28	-2.17	-4.13
Wheeling, WV-OH	Ozone	Maintenance	100	-	-14.12	-23.99	-45.95
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-14.12	-23.99	-45.95
Winston-Salem, NC	CO	Maintenance	100	-	-13.45	-23.69	-49.20
Worcester, MA	CO	Maintenance	100	-	-2.20	-4.34	-11.09
Yakima County, WA	PM ₁₀	Maintenance	100	-	-6.11	-10.48	-20.47
Yakima, WA	CO	Maintenance	100	-	-2.51	-4.31	-8.42

Table B1-18
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Volatile Organic Compound (VOC) 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
York, PA	Ozone	Maintenance	100	-	-14.19	-25.04	-52.17
York, PA	PM _{2.5}	Nonattainment	100	-	-9.12	-16.27	-34.72
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-18.26	-32.42	-68.43
Yuma, AZ	PM ₁₀	Moderate	100	-	-6.53	-11.46	-23.61

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

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

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

Source: EPA, 2008.

Table B1-19
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Volatile Organic Compound (VOC) 2040

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.39	-0.83	-1.52
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.25	-0.67	-1.58
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.26	-0.70	-1.65
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-96.07	-245.50	-548.93
Albuquerque, NM	CO	Maintenance	100	-	-38.04	-100.79	-232.84
Allegan County, MI	Ozone	Former Subpart 1	50	-	-17.19	-40.38	-82.93
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-26.37	-78.78	-199.84
Altoona, PA	Ozone	Maintenance	100	-	-16.30	-35.78	-67.81
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-0.55	-10.65	-43.04
Anchorage, AK	CO	Maintenance	100	-	-27.19	-59.43	-111.98
Anthony, NM	PM ₁₀	Moderate	100	-	-1.34	-2.91	-5.47
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.04	-0.31	-1.12
Aspen, CO	PM ₁₀	Maintenance	100	-	-1.29	-2.82	-5.33
Atlanta, GA	Ozone	Moderate	50	-	-450.79	-1,199.19	-2,779.49
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-451.41	-1,200.51	-2,781.93
Atlantic City, NJ	CO	Maintenance	100	-	-1.25	-4.75	-13.85
Bakersfield, CA	CO	Maintenance	100	-	-55.92	-129.68	-262.53
Baltimore, MD	CO	Maintenance	100	-	-1.39	-3.13	-6.11
Baltimore, MD	Ozone	Moderate	50	-	-84.60	-308.44	-881.28
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-84.60	-308.44	-881.26
Baton Rouge, LA	Ozone	Moderate	50	-	-275.25	-562.57	-965.49
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-468.28	-917.35	-1,471.17
Benton County, TN	SO _x	Maintenance	100	-	-0.50	-1.02	-1.72
Benton Harbor, MI	Ozone	Maintenance	100	-	-35.48	-75.90	-139.05
Benzie County, MI	Ozone	Maintenance	100	-	-3.34	-7.63	-15.21
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-22.98	-51.32	-99.39
Billings, MT	CO	Maintenance	100	-	-127.22	-247.74	-393.32
Birmingham, AL	Ozone	Maintenance	100	-	-69.63	-180.12	-407.32
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-70.13	-181.24	-409.50
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-66.45	-143.73	-267.22
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-66.45	-143.73	-267.22
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-3.01	-6.65	-12.75
Boston, MA	CO	Maintenance	100	-	-28.56	-94.60	-256.42
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-111.99	-458.10	-1,381.36
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-8.39	-47.90	-162.05
Boyd County (part), KY	SO _x	Maintenance	100	-	-7.84	-15.49	-25.19
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-63.16	-174.52	-417.49
Burlington, NJ	CO	Maintenance	100	-	-0.20	-0.70	-1.96
Butte, MT	PM ₁₀	Moderate	100	-	-10.46	-20.96	-34.90
Canon City, CO	PM ₁₀	Maintenance	100	-	-4.72	-10.08	-18.41
Canton-Massillon, OH	Ozone	Maintenance	100	-	-52.72	-114.48	-213.97
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-52.72	-114.48	-213.97
Case County, MI	Ozone	Maintenance	100	-	-6.67	-14.81	-28.48
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.20	-0.42	-0.75
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-2.34	-4.75	-8.08
Charleston, WV	Ozone	Maintenance	100	-	-15.08	-41.01	-96.81
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-15.08	-41.01	-96.81
Charlotte, NC	CO	Maintenance	100	-	-29.44	-93.47	-246.90
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-123.50	-318.73	-719.19

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-125.32	-265.87	-481.57
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-114.65	-243.34	-441.01
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-360.69	-1,035.19	-2,550.39
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-383.29	-1,090.20	-2,667.69
Chico, CA	CO	Maintenance	100	-	-7.82	-21.18	-49.87
Chico, CA	Ozone	Former Subpart 1	50	-	-17.18	-46.55	-109.59
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-116.30	-317.03	-750.07
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-107.39	-297.03	-711.09
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-1.45	-3.36	-6.81
Clark County, NV	PM ₁₀	Serious	70	-	-58.43	-191.30	-514.96
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-69.28	-145.88	-261.48
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-38.81	-82.84	-151.30
Cleveland, OH	CO	Maintenance	100	-	-65.98	-166.85	-369.47
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-122.16	-352.63	-872.56
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-112.28	-324.00	-801.48
Coachella Valley, CA	PM ₁₀	Serious	70	-	-0.19	-35.51	-152.13
Colbert County, AL	SO _x	Maintenance	100	-	-11.83	-25.27	-46.19
Colorado Springs, CO	CO	Maintenance	100	-	-81.57	-186.78	-372.64
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-1.27	-2.73	-5.02
Columbia, SC	Ozone	Former Subpart 1	50	-	-137.09	-294.17	-541.15
Columbus, OH	Ozone	Maintenance	100	-	-134.89	-343.32	-764.82
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-113.92	-297.12	-676.85
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.19	-0.50	-1.15
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.02	-0.06	-0.14
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-65.98	-166.86	-369.47
Cuyahoga County, OH	SO _x	Maintenance	100	-	-54.86	-138.74	-307.21
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-415.46	-1,154.10	-2,772.54
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-60.47	-153.75	-342.13
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-52.30	-133.56	-298.48
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-96.18	-335.19	-935.20
Denver-Boulder, CO	CO	Maintenance	100	-	-95.01	-326.35	-903.28
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-194.20	-554.51	-1,360.87
Detroit, MI	CO	Maintenance	100	-	-133.42	-324.44	-691.18
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-331.40	-854.41	-1,926.16
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-315.96	-820.68	-1,862.63
Door County, WI	Ozone	Former Subpart 1	50	-	-0.51	-2.80	-9.37
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-2.19	-5.83	-13.52
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-1.77	-4.70	-10.91
Duluth, MN	CO	Maintenance	100	-	-15.67	-33.71	-62.20
Eagle River, AK	PM ₁₀	Moderate	100	-	-1.69	-3.69	-6.94
East Chicago, IN	CO	Maintenance	100	-	-0.15	-0.33	-0.64
East Chicago, IN	PM ₁₀	Maintenance	100	-	-92.64	-187.18	-315.63
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.20	-0.43	-0.80
El Paso County, TX	PM ₁₀	Moderate	100	-	-51.48	-122.53	-255.24
El Paso, TX	CO	Maintenance	100	-	-2.53	-6.33	-13.86
Erie, PA	Ozone	Maintenance	100	-	-15.23	-39.55	-89.75
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.04	-0.15	-0.46

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Eugene-Springfield, OR	CO	Maintenance	100	-	-43.29	-94.33	-177.08
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-41.48	-90.39	-169.69
Evansville, IN	Ozone	Maintenance	100	-	-26.67	-63.02	-130.21
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-44.96	-101.37	-198.61
Fairbanks, AK	CO	Maintenance	100	-	-5.68	-11.80	-20.73
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-12.19	-37.34	-96.36
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-1.66	-3.56	-6.53
Flint, MI	Ozone	Maintenance	100	-	-31.15	-83.63	-195.40
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.23	-0.48	-0.87
Fort Collins, CO	CO	Maintenance	100	-	-18.25	-44.15	-93.59
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.15	-0.32	-0.58
Fort Wayne, IN	Ozone	Maintenance	100	-	-79.24	-169.45	-310.26
Franklin County, PA	Ozone	Maintenance	100	-	-27.64	-60.45	-114.01
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.16	-0.34	-0.62
Frederick County, VA	Ozone	Former Subpart 1	50	-	-45.30	-93.20	-161.55
Fredericksburg, VA	Ozone	Maintenance	100	-	-41.72	-101.77	-217.51
Freehold, NJ	CO	Maintenance	100	-	-0.43	-1.76	-5.31
Fresno, CA	CO	Maintenance	100	-	-17.63	-63.73	-181.26
Grand Rapids, MI	Ozone	Maintenance	100	-	-71.26	-176.84	-384.52
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-5.93	-13.15	-25.26
Grant County, NM	SO _x	Maintenance	100	-	-0.76	-1.58	-2.76
Grants Pass, OR	CO	Maintenance	100	-	-0.08	-0.19	-0.35
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-6.24	-13.69	-25.90
Great Falls, MT	CO	Maintenance	100	-	-5.89	-12.13	-21.05
Greater Connecticut, CT	Ozone	Moderate	50	-	-78.25	-225.79	-558.50
Greeley, CO	CO	Maintenance	100	-	-28.82	-61.47	-112.17
Green Bay, WI	SO _x	Maintenance	100	-	-9.04	-23.27	-52.37
Greene County, IN	Ozone	Maintenance	100	-	-18.03	-36.92	-63.53
Greene County, PA	Ozone	Maintenance	100	-	-12.35	-25.79	-45.65
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-115.92	-298.22	-671.00
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-51.77	-136.46	-313.74
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-228.45	-479.57	-855.90
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-1.27	-3.49	-8.30
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-10.87	-26.34	-55.93
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-39.71	-118.16	-298.83
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-39.69	-114.86	-284.71
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-41.43	-127.81	-331.33
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.47	-1.42	-3.63
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-2.68	-7.18	-16.76
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.17	-0.56	-1.51
Hazelwood, PA	SO _x	Maintenance	100	-	-4.69	-10.86	-21.98
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-11.47	-29.99	-68.47
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-20.59	-52.91	-118.94
Hollis Township, IL	SO _x	Maintenance	100	-	-0.07	-0.23	-0.65
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-1,723.81	-3,585.82	-6,316.72
Humphreys County, TN	SO _x	Maintenance	100	-	-0.78	-1.63	-2.88
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-193.84	-385.76	-635.03
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-160.09	-314.51	-506.80
Huron County, MI	Ozone	Maintenance	100	-	-4.53	-9.98	-19.00

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Imperial County, CA	Ozone	Moderate	50	-	-10.99	-32.56	-82.09
Imperial Valley, CA	PM ₁₀	Serious	70	-	-10.75	-31.85	-80.34
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-3.01	-7.30	-15.51
Indianapolis, IN	CO	Maintenance	100	-	-0.12	-0.27	-0.53
Indianapolis, IN	Ozone	Maintenance	100	-	-170.22	-424.65	-928.06
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-129.36	-326.08	-719.79
Jackson County, IN	Ozone	Maintenance	100	-	-28.30	-57.99	-99.94
Jamestown, NY	Ozone	Former Subpart 1	50	-	-14.41	-34.83	-73.70
Jefferson County, NY	Ozone	Moderate	50	-	-5.08	-15.52	-39.95
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-2.54	-5.20	-8.93
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-65.83	-136.25	-238.28
Johnstown, PA	Ozone	Maintenance	100	-	-13.53	-30.06	-57.84
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-17.70	-38.47	-72.00
Juneau, AK	PM ₁₀	Moderate	100	-	-4.73	-9.68	-16.61
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-60.66	-139.77	-280.86
Kalispell, MT	PM ₁₀	Moderate	100	-	-6.74	-14.45	-26.56
Kansas City, MO-KS	Ozone	Maintenance	100	-	-262.06	-584.83	-1,131.50
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.52	-6.06	-28.89
Kent, WA	PM ₁₀	Maintenance	100	-	-2.41	-5.93	-12.76
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-7.65	-18.55	-39.41
Kewaunee County, WI	Ozone	Maintenance	100	-	-1.61	-4.22	-9.64
King County, WA	PM ₁₀	Maintenance	100	-	-0.95	-2.35	-5.05
Klamath Falls, OR	CO	Maintenance	100	-	-11.23	-23.81	-43.11
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-11.23	-23.81	-43.11
Knoxville, TN	Ozone	Former Subpart 1	50	-	-243.67	-527.97	-983.87
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-202.13	-433.95	-798.83
La Porte County, IN	SO _x	Maintenance	100	-	-8.05	-16.99	-30.54
LaGrande, OR	PM ₁₀	Maintenance	100	-	-4.45	-9.25	-16.27
Lake County, IN	SO _x	Maintenance	100	-	-43.23	-96.56	-187.03
Lake County, OH	SO _x	Maintenance	100	-	-0.95	-3.45	-9.86
Lake County, OR	PM ₁₀	Maintenance	100	-	-1.53	-3.22	-5.73
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-0.04	-1.79	-7.52
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-0.28	-4.30	-17.06
Lake Tahoe, NV	CO	Maintenance	100	-	-0.91	-2.70	-6.80
Lamar, CO	PM ₁₀	Maintenance	100	-	-5.09	-10.18	-16.87
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.09	-0.23	-0.52
Lancaster, PA	Ozone	Maintenance	100	-	-10.58	-41.91	-124.62
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-10.58	-41.91	-124.62
Lane County, OR	PM ₁₀	Moderate	100	-	-0.23	-0.51	-0.95
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-16.12	-53.38	-144.66
LaPorte, IN	Ozone	Maintenance	100	-	-22.44	-47.35	-85.10
Las Vegas, NV	CO	Serious	100	-	-58.43	-191.30	-514.96
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-59.15	-193.66	-521.32
Lauderdale County, AL	SO _x	Maintenance	100	-	-2.77	-9.24	-25.15
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.37	-0.78	-1.43
Libby, MT	PM ₁₀	Moderate	100	-	-0.59	-1.32	-2.56
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.78	-1.75	-3.42
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-1.45	-3.36	-6.80
Lima, OH	Ozone	Maintenance	100	-	-52.09	-104.97	-176.26

Table B1-19
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Volatile Organic Compound (VOC) 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Longmont, CO	CO	Maintenance	100	-	-0.87	-6.42	-23.08
Lorain County, OH	SO _x	Maintenance	100	-	-1.85	-5.72	-14.84
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-647.90	-2,003.73	-5,203.31
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	-647.90	-2,003.73	-5,203.31
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-647.90	-2,003.73	-5,203.31
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-647.91	-2,003.76	-5,203.37
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-647.86	-2,003.64	-5,203.06
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-20.05	-73.23	-209.46
Louisville, KY-IN	Ozone	Maintenance	100	-	-74.80	-195.57	-446.50
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-76.07	-195.87	-441.06
Lowell, MA	CO	Maintenance	100	-	-3.13	-11.60	-33.39
Lucas County, OH	SO _x	Maintenance	100	-	-19.57	-50.77	-115.09
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-2.51	-7.57	-19.34
Macon, GA	Ozone	Maintenance	100	-	-50.25	-105.63	-188.92
Macon, GA	PM _{2.5}	Nonattainment	100	-	-49.86	-104.78	-187.30
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.36	-0.82	-1.61
Madison, WI	SO _x	Maintenance	100	-	-15.14	-41.73	-99.60
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.97	-2.43	-5.35
Manchester, NH	CO	Maintenance	100	-	-0.14	-3.65	-14.97
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-2.21	-8.84	-26.37
Marion County, IN	SO _x	Maintenance	100	-	-41.26	-93.20	-182.98
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-3.42	-12.75	-36.83
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-54.83	-120.37	-228.13
Mason County, MI	Ozone	Maintenance	100	-	-3.34	-7.68	-15.39
Medford, OR	CO	Maintenance	100	-	-1.35	-6.69	-21.68
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-3.25	-16.06	-52.01
Memphis, TN-AR	Ozone	Maintenance	100	-	-125.31	-285.25	-565.21
Memphis, TN	CO	Maintenance	100	-	-78.55	-192.05	-411.41
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-2.29	-5.92	-13.37
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.51	-1.20	-2.48
Milwaukee, WI	SO _x	Maintenance	100	-	-35.77	-92.45	-208.89
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-95.47	-268.19	-649.97
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-408.73	-925.27	-1,821.36
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-292.54	-698.12	-1,458.36
Missoula, MT	CO	Maintenance	100	-	-25.24	-51.45	-87.93
Missoula, MT	PM ₁₀	Moderate	100	-	-24.43	-49.81	-85.13
Modesto, CA	CO	Maintenance	100	-	-21.53	-57.91	-135.52
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-6.80	-18.69	-44.48
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.14	-0.34	-0.75
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.26	-0.65	-1.42
Morristown, NJ	CO	Maintenance	100	-	-0.90	-3.45	-10.09
Muhlenberg County, KY	SO _x	Maintenance	100	-	-5.53	-11.91	-22.00
Muncie, IN	Ozone	Maintenance	100	-	-40.90	-83.43	-142.79
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.75	-1.68	-3.23
Muscatine County, IA	SO _x	Maintenance	100	-	-2.86	-6.22	-11.63
Muskegon, MI	Ozone	Maintenance	100	-	-20.42	-45.36	-87.26
Nashua, NH	CO	Maintenance	100	-	-0.12	-2.94	-12.06
Nashville, TN	Ozone	Former Subpart 1	50	-	-102.33	-277.20	-652.45

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Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-4.87	-17.55	-49.85
New Haven County, CT	PM ₁₀	Maintenance	100	-	-22.24	-49.79	-96.75
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-105.89	-239.14	-469.43
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-1.65	-3.44	-6.05
New York County, NY	PM ₁₀	Moderate	100	-	-215.82	-434.46	-728.40
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-834.42	-1,964.01	-4,042.12
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-1,177.21	-2,958.85	-6,513.51
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-1,145.67	-2,892.08	-6,392.93
Nogales, AZ	PM ₁₀	Moderate	100	-	-2.72	-7.21	-16.67
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-170.32	-400.43	-823.12
Ogden, UT	CO	Maintenance	100	-	-2.53	-8.07	-21.37
Ogden, UT	PM ₁₀	Moderate	100	-	-2.53	-8.07	-21.38
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.12	-0.33	-0.78
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-2.00	-4.75	-9.89
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-6.51	-17.99	-43.04
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.31	-0.81	-1.85
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.01	-0.03	-0.07
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-26.09	-56.65	-105.87
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-27.88	-60.13	-111.40
Payson, AZ	PM ₁₀	Maintenance	100	-	-1.47	-3.81	-8.60
Penns Grove, NJ	CO	Maintenance	100	-	-0.02	-0.07	-0.17
Peoria, IL	SO _x	Maintenance	100	-	-2.87	-9.98	-27.79
Perth Amboy, NJ	CO	Maintenance	100	-	-8.71	-20.90	-43.93
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-20.55	-56.34	-133.90
Philadelaphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-566.43	-1,293.16	-2,571.10
Phildelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-647.95	-1,547.90	-3,237.11
Phoenix, AZ	CO	Maintenance	100	-	-67.79	-398.03	-1,356.84
Phoenix, AZ	PM ₁₀	Serious	70	-	-71.57	-412.64	-1,399.79
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-71.79	-413.84	-1,403.82
Pierce County, WA	PM ₁₀	Maintenance	100	-	-3.34	-6.88	-11.97
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.23	-0.49	-0.89
Pittsburgh, PA	CO	Maintenance	100	-	-3.12	-7.23	-14.63
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-203.30	-481.26	-996.69
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-170.34	-410.08	-864.59
Polk County, TN	SO _x	Maintenance	100	-	-4.63	-9.85	-17.93
Polson, MT	PM ₁₀	Moderate	100	-	-0.27	-0.67	-1.47
Portland, ME	Ozone	Maintenance	100	-	-39.01	-101.43	-230.43
Portland, OR	CO	Maintenance	100	-	-62.14	-173.40	-418.07
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-9.60	-20.43	-37.17
Poughkeepsie, NY	Ozone	Moderate	50	-	-45.27	-157.17	-437.61
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-1.72	-3.71	-6.85
Providence (entire State), RI	Ozone	Moderate	50	-	-92.40	-224.91	-479.61
Provo, UT	CO	Maintenance	100	-	-9.23	-26.13	-63.69
Raleigh-Durham, NC	CO	Maintenance	100	-	-35.27	-133.64	-389.19
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-58.30	-201.54	-559.80
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.27	-0.59	-1.15

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Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Reading, PA	Ozone	Maintenance	100	-	-23.01	-59.69	-135.32
Reading, PA	PM _{2.5}	Nonattainment	100	-	-23.01	-59.69	-135.32
Reno, NV	CO	Maintenance	100	-	-14.91	-40.18	-94.18
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.16	-0.37	-0.72
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-73.39	-198.38	-466.12
Rillito, AZ	PM ₁₀	Moderate	100	-	-3.23	-8.81	-20.84
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-0.19	-35.51	-152.13
Roanoke, VA	Ozone	Former Subpart 1	50	-	-39.44	-87.66	-168.75
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-8.53	-20.28	-42.22
Rochester, NY	Ozone	Former Subpart 1	50	-	-69.72	-196.31	-476.66
Rocky Mount, NC	Ozone	Maintenance	100	-	-21.34	-49.38	-99.72
Rome, GA	PM _{2.5}	Nonattainment	100	-	-24.30	-52.22	-96.23
Ronan, MT	PM ₁₀	Moderate	100	-	-0.10	-0.26	-0.56
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.44	-0.96	-1.80
Sacramento County, CA	PM ₁₀	Moderate	100	-	-34.51	-146.56	-448.93
Sacramento Metro, CA	Ozone	Severe	25	-	-97.96	-335.38	-926.57
Sacramento, CA	CO	Maintenance	100	-	-37.48	-162.23	-500.72
Salem, OR	CO	Maintenance	100	-	-5.56	-16.70	-42.55
Salt Lake City, UT	CO	Maintenance	100	-	-13.05	-35.42	-83.51
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-39.17	-125.08	-331.58
Salt Lake County, UT	SO _x	Nonattainment	100	-	-32.96	-113.17	-313.13
San Antonio, TX	Ozone	Former Subpart 1	50	-	-321.93	-709.54	-1,351.62
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-6.92	-34.85	-113.58
San Diego, CA	CO	Maintenance	100	-	-56.77	-327.24	-1,110.05
San Diego, CA	Ozone	Former Subpart 1	50	-	-56.87	-327.85	-1,112.15
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-530.51	-1,341.74	-2,971.22
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-541.89	-1,404.72	-3,182.45
San Joaquin Valley, CA	Ozone	Extreme	10	-	-291.75	-802.14	-1,911.13
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-293.22	-805.68	-1,918.66
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-291.75	-802.14	-1,911.13
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-1.20	-4.04	-11.07
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.23	-0.47	-0.81
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-54.78	-136.42	-297.62
Seattle-Tacoma, WA	CO	Maintenance	100	-	-243.50	-615.39	-1,361.80
Sheboygan, WI	Ozone	Moderate	50	-	-7.96	-21.02	-48.44
Sheridan, WY	PM ₁₀	Moderate	100	-	-7.63	-15.65	-27.01
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.01
Somerville, NJ	CO	Maintenance	100	-	-0.32	-1.46	-4.60
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-38.83	-95.67	-206.54
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-6.37	-19.20	-49.02
Spokane County, WA	PM ₁₀	Maintenance	100	-	-32.90	-77.80	-160.93
Spokane, WA	CO	Maintenance	100	-	-32.54	-76.94	-159.15
Springfield (western MA), MA	Ozone	Moderate	50	-	-23.33	-86.44	-249.01
Springfield, MA	CO	Maintenance	100	-	-4.94	-16.43	-44.65
St Louis, MO	CO	Maintenance	100	-	-205.31	-432.62	-776.23
St Louis, MO-IL	Ozone	Moderate	50	-	-502.75	-1,099.14	-2,072.30
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-502.00	-1,096.81	-2,066.25
State College, PA	Ozone	Maintenance	100	-	-2.46	-13.19	-43.82

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-2.14	-5.13	-10.76
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-14.64	-29.96	-51.49
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-37.45	-76.04	-129.20
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-37.45	-76.04	-129.20
Stockton, CA	CO	Maintenance	100	-	-24.43	-71.94	-180.63
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-76.53	-170.21	-327.94
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.07	-0.23	-0.60
Terre Haute, IN	Ozone	Maintenance	100	-	-33.19	-69.36	-123.00
Tioga County, PA	Ozone	Maintenance	100	-	-2.47	-7.23	-18.06
Toledo, OH	Ozone	Maintenance	100	-	-96.53	-210.11	-393.92
Toms River, NJ	CO	Maintenance	100	-	-2.09	-9.16	-28.39
Tooele County, UT	SO _x	Nonattainment	100	-	-16.61	-36.79	-70.53
Trenton, NJ	CO	Maintenance	100	-	-3.03	-10.04	-27.18
Trona, CA	PM ₁₀	Moderate	100	-	-0.05	-0.27	-0.89
Tucson, AZ	CO	Maintenance	100	-	-62.06	-169.11	-399.99
Utah County, UT	PM ₁₀	Moderate	100	-	-26.80	-75.83	-184.83
Vancouver, WA	CO	Maintenance	100	-	-14.03	-43.17	-111.72
Ventura County, CA	Ozone	Serious	50	-	-16.32	-75.81	-240.32
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-3.27	-6.59	-11.07
Vigo County, IN	SO _x	Maintenance	100	-	-33.19	-69.36	-123.00
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-1.47	-5.44	-15.66
Warren County, NJ	SO _x	Maintenance	100	-	-0.96	-3.56	-10.25
Warren County, PA	SO _x	Nonattainment	100	-	-0.85	-2.26	-5.20
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-38.60	-83.95	-157.26
Washington, DC-MD-VA	CO	Maintenance	100	-	-35.38	-143.00	-428.97
Washington, DC-MD-VA	Ozone	Moderate	50	-	-142.75	-542.77	-1,583.30
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-130.20	-512.73	-1,520.31
Washoe County, NV	PM ₁₀	Serious	70	-	-14.91	-40.18	-94.18
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-1.16	-2.41	-4.25
Wayne County, IN	SO _x	Maintenance	100	-	-14.38	-30.65	-55.85
Wayne County, MI	PM ₁₀	Maintenance	100	-	-30.76	-63.03	-108.59
Weirton, WV	PM ₁₀	Maintenance	100	-	-2.31	-4.81	-8.51
Weirton, WV	SO _x	Maintenance	100	-	-3.11	-6.49	-11.46
Wheeling, WV-OH	Ozone	Maintenance	100	-	-35.83	-75.14	-133.91
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-35.83	-75.14	-133.91
Winston-Salem, NC	CO	Maintenance	100	-	-31.45	-79.94	-177.85
Worcester, MA	CO	Maintenance	100	-	-3.77	-18.20	-58.46
Yakima County, WA	PM ₁₀	Maintenance	100	-	-14.68	-32.67	-62.97
Yakima, WA	CO	Maintenance	100	-	-6.62	-14.72	-28.37
York, PA	Ozone	Maintenance	100	-	-32.87	-84.78	-191.23
York, PA	PM _{2.5}	Nonattainment	100	-	-20.58	-56.32	-133.68
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-43.24	-110.77	-248.24
Yuma, AZ	PM ₁₀	Moderate	100	-	-15.02	-38.39	-85.86

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

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

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

Source: EPA, 2008.

Table B1-20
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Volatile Organic Compound (VOC) 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.48	-1.05	-1.93
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.25	-0.78	-2.01
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.26	-0.81	-2.09
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-117.64	-321.43	-743.57
Albuquerque, NM	CO	Maintenance	100	-	-42.61	-124.60	-303.58
Allegan County, MI	Ozone	Former Subpart 1	50	-	-21.03	-52.59	-112.53
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-28.52	-98.23	-265.28
Altoona, PA	Ozone	Maintenance	100	-	-21.44	-47.90	-90.77
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	1.70	-13.65	-65.84
Anchorage, AK	CO	Maintenance	100	-	-33.45	-76.18	-147.72
Anthony, NM	PM ₁₀	Moderate	100	-	-1.49	-3.40	-6.62
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.05	-0.46	-1.65
Aspen, CO	PM ₁₀	Maintenance	100	-	-1.50	-3.46	-6.81
Atlanta, GA	Ozone	Moderate	50	-	-479.67	-1,458.86	-3,652.48
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-480.24	-1,460.13	-3,654.89
Atlantic City, NJ	CO	Maintenance	100	-	-1.29	-5.96	-18.35
Bakersfield, CA	CO	Maintenance	100	-	-60.92	-153.67	-331.54
Baltimore, MD	CO	Maintenance	100	-	-1.97	-4.49	-8.71
Baltimore, MD	Ozone	Moderate	50	-	-87.30	-397.47	-1,217.21
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-87.30	-397.47	-1,217.20
Baton Rouge, LA	Ozone	Moderate	50	-	-347.91	-725.68	-1,257.39
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-622.84	-1,232.52	-1,972.14
Benton County, TN	SO _x	Maintenance	100	-	-0.66	-1.34	-2.26
Benton Harbor, MI	Ozone	Maintenance	100	-	-45.47	-98.88	-181.24
Benzie County, MI	Ozone	Maintenance	100	-	-4.22	-10.23	-21.19
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-26.48	-62.58	-126.43
Billings, MT	CO	Maintenance	100	-	-168.11	-330.74	-524.22
Birmingham, AL	Ozone	Maintenance	100	-	-87.73	-238.53	-549.61
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-88.45	-240.18	-552.83
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-76.66	-173.97	-335.94
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-76.66	-173.97	-335.94
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-3.88	-9.00	-17.83
Boston, MA	CO	Maintenance	100	-	-32.92	-123.78	-349.69
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-115.40	-595.78	-1,903.61
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-5.89	-61.11	-225.70
Boyd County (part), KY	SO _x	Maintenance	100	-	-11.75	-23.38	-37.74
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-78.92	-232.18	-568.12
Burlington, NJ	CO	Maintenance	100	-	-0.16	-0.65	-1.87
Butte, MT	PM ₁₀	Moderate	100	-	-13.47	-27.27	-45.22
Canon City, CO	PM ₁₀	Maintenance	100	-	-6.77	-14.81	-27.36
Canton-Massillon, OH	Ozone	Maintenance	100	-	-68.68	-152.29	-286.03
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-68.68	-152.29	-286.03
Case County, MI	Ozone	Maintenance	100	-	-8.71	-19.83	-38.45
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.30	-0.65	-1.16
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-2.77	-5.71	-9.74
Charleston, WV	Ozone	Maintenance	100	-	-19.11	-53.98	-128.18

Table B1-20
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Volatile Organic Compound (VOC) 2060

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-19.11	-53.98	-128.18
Charlotte, NC	CO	Maintenance	100	-	-27.11	-111.56	-328.29
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-130.68	-382.10	-930.86
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-155.35	-338.38	-621.53
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-142.19	-310.13	-570.61
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-424.78	-1,355.58	-3,501.06
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-451.73	-1,425.75	-3,656.89
Chico, CA	CO	Maintenance	100	-	-8.83	-28.03	-72.17
Chico, CA	Ozone	Former Subpart 1	50	-	-18.49	-58.73	-151.21
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-134.13	-403.04	-1,000.85
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-123.42	-377.68	-949.47
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-1.86	-4.34	-8.63
Clark County, NV	PM ₁₀	Serious	70	-	-51.50	-230.87	-702.98
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-86.11	-187.03	-342.25
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-50.96	-111.03	-204.03
Cleveland, OH	CO	Maintenance	100	-	-86.04	-222.38	-490.63
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-149.57	-464.66	-1,179.77
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-137.85	-426.98	-1,082.03
Coachella Valley, CA	PM ₁₀	Serious	70	-	9.21	-42.19	-223.74
Colbert County, AL	SO _x	Maintenance	100	-	-15.67	-33.86	-61.55
Colorado Springs, CO	CO	Maintenance	100	-	-97.14	-236.89	-494.58
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-1.50	-3.38	-6.45
Columbia, SC	Ozone	Former Subpart 1	50	-	-171.11	-378.85	-710.28
Columbus, OH	Ozone	Maintenance	100	-	-154.83	-434.49	-1,026.54
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-129.35	-375.91	-911.69
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.25	-0.64	-1.41
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.03	-0.08	-0.17
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-86.04	-222.38	-490.63
Cuyahoga County, OH	SO _x	Maintenance	100	-	-89.76	-221.91	-469.58
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-431.75	-1,413.58	-3,708.21
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-76.21	-202.37	-457.15
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-66.12	-176.15	-399.04
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-88.94	-413.80	-1,277.15
Denver-Boulder, CO	CO	Maintenance	100	-	-88.62	-402.46	-1,231.35
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-202.00	-682.75	-1,824.48
Detroit, MI	CO	Maintenance	100	-	-212.45	-498.35	-999.00
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-415.47	-1,135.55	-2,627.56
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-395.34	-1,090.36	-2,541.37
Door County, WI	Ozone	Former Subpart 1	50	-	-0.43	-3.70	-13.30
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-2.22	-6.68	-16.59
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-1.83	-5.51	-13.67
Duluth, MN	CO	Maintenance	100	-	-20.81	-45.50	-83.97
Eagle River, AK	PM ₁₀	Moderate	100	-	-2.15	-4.90	-9.50
East Chicago, IN	CO	Maintenance	100	-	-0.17	-0.40	-0.79
East Chicago, IN	PM ₁₀	Maintenance	100	-	-120.91	-247.70	-418.15
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.24	-0.54	-1.02
El Paso County, TX	PM ₁₀	Moderate	100	-	-58.99	-151.05	-330.44
El Paso, TX	CO	Maintenance	100	-	-2.66	-7.35	-17.13

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Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Erie, PA	Ozone	Maintenance	100	-	-19.45	-52.75	-121.26
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.05	-0.23	-0.71
Eugene-Springfield, OR	CO	Maintenance	100	-	-53.97	-122.03	-234.66
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-51.86	-117.25	-225.47
Evansville, IN	Ozone	Maintenance	100	-	-32.56	-80.77	-171.47
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-55.01	-128.87	-257.98
Fairbanks, AK	CO	Maintenance	100	-	-6.78	-14.55	-26.24
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-14.67	-49.63	-132.66
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-1.95	-4.38	-8.37
Flint, MI	Ozone	Maintenance	100	-	-39.29	-111.41	-265.31
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.32	-0.66	-1.14
Fort Collins, CO	CO	Maintenance	100	-	-20.47	-54.50	-123.41
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.19	-0.40	-0.72
Fort Wayne, IN	Ozone	Maintenance	100	-	-99.19	-218.40	-406.68
Franklin County, PA	Ozone	Maintenance	100	-	-32.38	-74.14	-144.67
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.24	-0.52	-0.93
Frederick County, VA	Ozone	Former Subpart 1	50	-	-54.39	-114.81	-202.30
Fredericksburg, VA	Ozone	Maintenance	100	-	-47.24	-127.14	-290.47
Freehold, NJ	CO	Maintenance	100	-	-0.53	-2.68	-8.49
Fresno, CA	CO	Maintenance	100	-	-14.04	-74.92	-241.79
Grand Rapids, MI	Ozone	Maintenance	100	-	-84.01	-225.73	-515.03
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-7.00	-16.00	-31.14
Grant County, NM	SO _x	Maintenance	100	-	-0.89	-1.88	-3.32
Grants Pass, OR	CO	Maintenance	100	-	-0.11	-0.25	-0.48
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-8.03	-18.35	-35.72
Great Falls, MT	CO	Maintenance	100	-	-7.94	-16.46	-28.27
Greater Connecticut, CT	Ozone	Moderate	50	-	-94.07	-294.31	-750.65
Greeley, CO	CO	Maintenance	100	-	-33.98	-75.51	-142.23
Green Bay, WI	SO _x	Maintenance	100	-	-9.99	-28.38	-67.67
Greene County, IN	Ozone	Maintenance	100	-	-23.80	-49.56	-85.68
Greene County, PA	Ozone	Maintenance	100	-	-16.30	-34.59	-61.39
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-133.64	-372.50	-875.47
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-58.99	-169.44	-407.41
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-274.54	-591.75	-1,072.22
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-1.49	-4.45	-11.02
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-13.75	-34.96	-75.98
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-43.24	-149.45	-404.36
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-43.75	-145.27	-384.23
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-48.24	-164.06	-439.94
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.46	-1.74	-4.93
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-2.97	-9.13	-23.01
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.24	-0.83	-2.23
Hazelwood, PA	SO _x	Maintenance	100	-	-7.35	-17.12	-34.05
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-13.65	-37.95	-89.05
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-25.39	-68.91	-158.53
Hollis Township, IL	SO _x	Maintenance	100	-	-0.08	-0.29	-0.84
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-2,139.85	-4,575.15	-8,201.74
Humphreys County, TN	SO _x	Maintenance	100	-	-1.05	-2.23	-3.97

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Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-255.85	-514.94	-846.31
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-213.15	-422.57	-678.16
Huron County, MI	Ozone	Maintenance	100	-	-5.94	-13.36	-25.55
Imperial County, CA	Ozone	Moderate	50	-	-10.17	-38.59	-109.46
Imperial Valley, CA	PM ₁₀	Serious	70	-	-9.96	-37.78	-107.22
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-2.79	-7.61	-17.58
Indianapolis, IN	CO	Maintenance	100	-	-0.13	-0.30	-0.60
Indianapolis, IN	Ozone	Maintenance	100	-	-202.37	-544.71	-1,244.68
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-152.79	-417.51	-965.91
Jackson County, IN	Ozone	Maintenance	100	-	-36.39	-75.91	-131.52
Jamestown, NY	Ozone	Former Subpart 1	50	-	-18.55	-46.55	-99.96
Jefferson County, NY	Ozone	Moderate	50	-	-5.72	-19.73	-53.34
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-3.29	-6.78	-11.55
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-84.54	-178.15	-313.14
Johnstown, PA	Ozone	Maintenance	100	-	-18.05	-40.24	-76.08
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-23.34	-51.02	-94.14
Juneau, AK	PM ₁₀	Moderate	100	-	-6.18	-12.98	-22.69
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-76.59	-183.01	-374.18
Kalispell, MT	PM ₁₀	Moderate	100	-	-7.87	-17.69	-33.77
Kansas City, MO-KS	Ozone	Maintenance	100	-	-324.40	-756.04	-1,504.81
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	1.96	-7.32	-40.68
Kent, WA	PM ₁₀	Maintenance	100	-	-2.93	-7.80	-17.68
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-7.31	-19.92	-45.99
Kewaunee County, WI	Ozone	Maintenance	100	-	-2.06	-5.65	-13.09
King County, WA	PM ₁₀	Maintenance	100	-	-1.12	-2.99	-6.78
Klamath Falls, OR	CO	Maintenance	100	-	-14.40	-31.20	-56.91
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-14.40	-31.20	-56.91
Knoxville, TN	Ozone	Former Subpart 1	50	-	-288.20	-654.51	-1,265.03
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-240.65	-538.71	-1,023.61
La Porte County, IN	SO _x	Maintenance	100	-	-10.07	-21.67	-39.18
LaGrande, OR	PM ₁₀	Maintenance	100	-	-5.80	-12.28	-21.76
Lake County, IN	SO _x	Maintenance	100	-	-52.82	-121.75	-239.37
Lake County, OH	SO _x	Maintenance	100	-	-1.08	-4.52	-13.38
Lake County, OR	PM ₁₀	Maintenance	100	-	-2.05	-4.37	-7.78
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.45	-2.19	-11.45
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.56	-5.87	-27.44
Lake Tahoe, NV	CO	Maintenance	100	-	-1.09	-3.50	-9.10
Lamar, CO	PM ₁₀	Maintenance	100	-	-9.42	-18.84	-30.65
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.10	-0.28	-0.65
Lancaster, PA	Ozone	Maintenance	100	-	-9.95	-52.58	-169.18
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-9.95	-52.58	-169.18
Lane County, OR	PM ₁₀	Moderate	100	-	-0.24	-0.54	-1.04
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-18.62	-70.06	-198.01
LaPorte, IN	Ozone	Maintenance	100	-	-27.91	-60.08	-108.64
Las Vegas, NV	CO	Serious	100	-	-51.50	-230.87	-702.98
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-52.03	-233.26	-710.26
Lauderdale County, AL	SO _x	Maintenance	100	-	-3.14	-11.75	-33.12
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.44	-0.97	-1.81
Libby, MT	PM ₁₀	Moderate	100	-	-0.74	-1.69	-3.32

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.98	-2.26	-4.42
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-1.86	-4.34	-8.63
Lima, OH	Ozone	Maintenance	100	-	-68.74	-140.34	-235.72
Longmont, CO	CO	Maintenance	100	-	-0.25	-8.40	-33.87
Lorain County, OH	SO _x	Maintenance	100	-	-2.11	-7.38	-20.10
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-727.58	-2,615.41	-7,225.62
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	-727.58	-2,615.41	-7,225.62
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-727.58	-2,615.41	-7,225.62
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-727.59	-2,615.44	-7,225.69
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-727.54	-2,615.28	-7,225.28
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-21.37	-97.05	-296.94
Louisville, KY-IN	Ozone	Maintenance	100	-	-88.49	-248.63	-587.97
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-90.73	-249.15	-578.73
Lowell, MA	CO	Maintenance	100	-	-3.73	-16.17	-48.59
Lucas County, OH	SO _x	Maintenance	100	-	-27.90	-72.88	-162.28
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-3.08	-9.90	-25.69
Macon, GA	Ozone	Maintenance	100	-	-63.96	-136.77	-245.24
Macon, GA	PM _{2.5}	Nonattainment	100	-	-63.51	-135.73	-243.19
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.44	-1.03	-2.05
Madison, WI	SO _x	Maintenance	100	-	-16.46	-52.62	-136.01
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-1.32	-3.63	-8.47
Manchester, NH	CO	Maintenance	100	-	0.22	-4.18	-18.64
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-2.52	-11.61	-35.70
Marion County, IN	SO _x	Maintenance	100	-	-51.79	-120.46	-239.22
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-3.16	-16.66	-53.59
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-64.50	-147.85	-288.82
Mason County, MI	Ozone	Maintenance	100	-	-4.22	-10.10	-20.73
Medford, OR	CO	Maintenance	100	-	-0.90	-8.55	-31.16
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-2.17	-20.62	-75.19
Memphis, TN-AR	Ozone	Maintenance	100	-	-161.30	-376.92	-752.42
Memphis, TN	CO	Maintenance	100	-	-101.44	-256.34	-553.97
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-2.58	-7.48	-18.13
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.56	-1.38	-2.94
Milwaukee, WI	SO _x	Maintenance	100	-	-47.57	-127.02	-288.27
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-112.92	-348.84	-882.48
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-505.33	-1,197.67	-2,427.69
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-352.30	-894.94	-1,943.55
Missoula, MT	CO	Maintenance	100	-	-30.91	-64.46	-111.70
Missoula, MT	PM ₁₀	Moderate	100	-	-29.90	-62.36	-108.06
Modesto, CA	CO	Maintenance	100	-	-25.35	-76.65	-191.14
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-7.12	-23.33	-61.22
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.17	-0.46	-1.06
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.29	-0.77	-1.77
Morristown, NJ	CO	Maintenance	100	-	-1.04	-4.94	-15.35
Muhlenberg County, KY	SO _x	Maintenance	100	-	-7.29	-15.95	-29.49
Muncie, IN	Ozone	Maintenance	100	-	-54.36	-111.95	-190.46
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-1.69	-3.69	-6.81
Muscatine County, IA	SO _x	Maintenance	100	-	-3.90	-8.68	-16.39
Muskegon, MI	Ozone	Maintenance	100	-	-25.54	-58.85	-115.66
Nashua, NH	CO	Maintenance	100	-	0.18	-3.41	-15.22

Table B1-20
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Volatile Organic Compound (VOC) 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Nashville, TN	Ozone	Former Subpart 1	50	-	-111.80	-343.74	-866.86
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-4.31	-22.85	-73.61
New Haven County, CT	PM ₁₀	Maintenance	100	-	-31.61	-72.99	-143.79
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-133.16	-310.54	-618.53
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-3.23	-6.65	-11.29
New York County, NY	PM ₁₀	Moderate	100	-	-275.15	-561.16	-941.06
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-1,044.06	-2,562.08	-5,382.48
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-1,444.74	-3,855.92	-8,748.42
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-1,406.22	-3,771.57	-8,592.43
Nogales, AZ	PM ₁₀	Moderate	100	-	-2.89	-8.71	-21.68
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-215.38	-527.58	-1,106.37
Ogden, UT	CO	Maintenance	100	-	-2.62	-9.82	-27.71
Ogden, UT	PM ₁₀	Moderate	100	-	-2.62	-9.82	-27.71
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.12	-0.35	-0.86
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-1.96	-5.05	-11.10
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-6.56	-21.62	-56.90
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.92	-2.19	-4.50
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.01	-0.04	-0.10
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-34.24	-75.88	-142.44
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-37.77	-82.80	-153.31
Payson, AZ	PM ₁₀	Maintenance	100	-	-1.61	-4.67	-11.31
Penns Grove, NJ	CO	Maintenance	100	-	-0.03	-0.09	-0.22
Peoria, IL	SO _x	Maintenance	100	-	-3.28	-12.81	-36.84
Perth Amboy, NJ	CO	Maintenance	100	-	-11.97	-30.41	-66.04
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-24.87	-71.79	-173.26
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-723.23	-1,707.66	-3,447.55
Philidelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-810.78	-2,026.61	-4,334.69
Phoenix, AZ	CO	Maintenance	100	-	-4.85	-477.31	-1,973.45
Phoenix, AZ	PM ₁₀	Serious	70	-	-7.43	-494.20	-2,030.97
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-7.46	-495.43	-2,035.95
Pierce County, WA	PM ₁₀	Maintenance	100	-	-4.21	-8.81	-15.32
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.28	-0.61	-1.10
Pittsburgh, PA	CO	Maintenance	100	-	-5.89	-13.70	-27.25
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-261.94	-640.61	-1,341.27
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-221.08	-549.89	-1,170.59
Polk County, TN	SO _x	Maintenance	100	-	-6.08	-13.21	-24.17
Polson, MT	PM ₁₀	Moderate	100	-	-0.35	-0.95	-2.16
Portland, ME	Ozone	Maintenance	100	-	-46.81	-130.95	-308.67
Portland, OR	CO	Maintenance	100	-	-68.73	-214.55	-546.41
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-12.12	-26.40	-48.49
Poughkeepsie, NY	Ozone	Moderate	50	-	-46.35	-204.28	-618.01
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-2.29	-5.01	-9.23
Providence (entire State), RI	Ozone	Moderate	50	-	-117.26	-300.60	-658.33
Provo, UT	CO	Maintenance	100	-	-9.05	-31.21	-84.35
Raleigh-Durham, NC	CO	Maintenance	100	-	-27.47	-159.21	-525.95

Table B1-20
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Volatile Organic Compound (VOC) 2060

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-50.84	-242.18	-753.68
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.32	-0.74	-1.43
Reading, PA	Ozone	Maintenance	100	-	-26.97	-75.54	-178.21
Reading, PA	PM _{2.5}	Nonattainment	100	-	-26.97	-75.54	-178.21
Reno, NV	CO	Maintenance	100	-	-16.29	-49.14	-122.35
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.29	-0.66	-1.30
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-82.21	-246.19	-609.91
Rillito, AZ	PM ₁₀	Moderate	100	-	-3.54	-11.24	-28.92
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	9.21	-42.19	-223.74
Roanoke, VA	Ozone	Former Subpart 1	50	-	-47.41	-109.34	-215.10
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-9.48	-24.42	-53.75
Rochester, NY	Ozone	Former Subpart 1	50	-	-85.96	-260.51	-650.66
Rocky Mount, NC	Ozone	Maintenance	100	-	-26.71	-64.03	-131.36
Rome, GA	PM _{2.5}	Nonattainment	100	-	-30.40	-67.15	-125.53
Ronan, MT	PM ₁₀	Moderate	100	-	-0.13	-0.36	-0.81
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.50	-1.12	-2.17
Sacramento County, CA	PM ₁₀	Moderate	100	-	-28.88	-190.92	-651.48
Sacramento Metro, CA	Ozone	Severe	25	-	-91.84	-428.32	-1,323.13
Sacramento, CA	CO	Maintenance	100	-	-28.17	-206.48	-720.26
Salem, OR	CO	Maintenance	100	-	-5.94	-20.47	-55.26
Salt Lake City, UT	CO	Maintenance	100	-	-14.87	-45.01	-112.34
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-39.81	-154.65	-443.70
Salt Lake County, UT	SO _x	Nonattainment	100	-	-31.53	-138.63	-418.98
San Antonio, TX	Ozone	Former Subpart 1	50	-	-370.60	-861.28	-1,708.94
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-3.52	-40.64	-152.15
San Diego, CA	CO	Maintenance	100	-	-27.25	-414.10	-1,594.19
San Diego, CA	Ozone	Former Subpart 1	50	-	-27.29	-414.90	-1,597.31
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-622.18	-1,723.91	-4,032.76
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-629.80	-1,801.80	-4,319.87
San Joaquin Valley, CA	Ozone	Extreme	10	-	-310.47	-1,005.17	-2,619.11
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-311.59	-1,008.22	-2,626.15
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-310.47	-1,005.17	-2,619.11
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-1.02	-4.81	-14.95
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.30	-0.62	-1.09
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-69.52	-181.65	-404.66
Seattle-Tacoma, WA	CO	Maintenance	100	-	-275.24	-766.55	-1,800.45
Sheboygan, WI	Ozone	Moderate	50	-	-9.38	-27.09	-65.39
Sheridan, WY	PM ₁₀	Moderate	100	-	-8.80	-18.52	-32.50
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.02
Somerville, NJ	CO	Maintenance	100	-	-0.25	-1.80	-6.26
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-47.06	-122.93	-273.81
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-6.65	-21.38	-55.45
Spokane County, WA	PM ₁₀	Maintenance	100	-	-37.14	-94.92	-207.31
Spokane, WA	CO	Maintenance	100	-	-36.70	-93.80	-204.85
Springfield (western MA), MA	Ozone	Moderate	50	-	-26.63	-114.33	-342.34
Springfield, MA	CO	Maintenance	100	-	-6.53	-23.68	-65.72
St Louis, MO	CO	Maintenance	100	-	-281.73	-597.52	-1,059.57
St Louis, MO-IL	Ozone	Moderate	50	-	-644.04	-1,442.64	-2,743.30

Table B1-20
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Volatile Organic Compound (VOC) 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-643.22	-1,439.75	-2,735.42
State College, PA	Ozone	Maintenance	100	-	-2.00	-17.28	-62.13
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-2.39	-6.39	-14.51
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-20.39	-42.05	-71.67
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-49.75	-102.06	-172.67
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-49.75	-102.06	-172.67
Stockton, CA	CO	Maintenance	100	-	-29.12	-99.20	-266.28
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-100.07	-227.85	-441.73
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.07	-0.31	-0.92
Terre Haute, IN	Ozone	Maintenance	100	-	-41.95	-89.02	-157.95
Tioga County, PA	Ozone	Maintenance	100	-	-3.13	-9.61	-24.18
Toledo, OH	Ozone	Maintenance	100	-	-126.19	-280.50	-528.45
Toms River, NJ	CO	Maintenance	100	-	-1.96	-12.35	-41.67
Tooele County, UT	SO _x	Nonattainment	100	-	-18.85	-44.12	-88.26
Trenton, NJ	CO	Maintenance	100	-	-3.61	-13.52	-38.09
Trona, CA	PM ₁₀	Moderate	100	-	-0.03	-0.34	-1.27
Tucson, AZ	CO	Maintenance	100	-	-64.78	-205.45	-528.56
Utah County, UT	PM ₁₀	Moderate	100	-	-25.83	-89.08	-240.73
Vancouver, WA	CO	Maintenance	100	-	-13.33	-52.46	-151.38
Ventura County, CA	Ozone	Serious	50	-	-12.80	-98.78	-348.03
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-4.40	-8.95	-14.98
Vigo County, IN	SO _x	Maintenance	100	-	-41.95	-89.02	-157.95
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-1.64	-7.12	-21.39
Warren County, NJ	SO _x	Maintenance	100	-	-1.13	-4.82	-14.41
Warren County, PA	SO _x	Nonattainment	100	-	-1.29	-3.35	-7.40
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-46.02	-103.81	-199.09
Washington, DC-MD-VA	CO	Maintenance	100	-	-44.04	-204.55	-630.93
Washington, DC-MD-VA	Ozone	Moderate	50	-	-123.42	-666.36	-2,158.07
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-108.24	-627.07	-2,071.25
Washoe County, NV	PM ₁₀	Serious	70	-	-16.29	-49.14	-122.35
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-1.51	-3.19	-5.64
Wayne County, IN	SO _x	Maintenance	100	-	-21.41	-45.61	-81.39
Wayne County, MI	PM ₁₀	Maintenance	100	-	-59.28	-123.64	-214.21
Weirton, WV	PM ₁₀	Maintenance	100	-	-3.48	-7.16	-12.19
Weirton, WV	SO _x	Maintenance	100	-	-4.95	-10.19	-17.34
Wheeling, WV-OH	Ozone	Maintenance	100	-	-47.53	-100.73	-178.43
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-47.53	-100.73	-178.43
Winston-Salem, NC	CO	Maintenance	100	-	-35.45	-98.60	-231.32
Worcester, MA	CO	Maintenance	100	-	-3.86	-25.29	-86.13
Yakima County, WA	PM ₁₀	Maintenance	100	-	-17.18	-40.14	-80.12
Yakima, WA	CO	Maintenance	100	-	-8.48	-19.81	-39.54

Table B1-20
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Volatile Organic Compound (VOC) 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
York, PA	Ozone	Maintenance	100	-	-37.44	-106.37	-253.67
York, PA	PM _{2.5}	Nonattainment	100	-	-22.38	-69.52	-176.53
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-56.09	-147.64	-331.05
Yuma, AZ	PM ₁₀	Moderate	100	-	-15.66	-45.88	-111.93

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

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

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

Source: EPA, 2008.

Table B1-21
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Acetaldehyde 2021

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.04	0.06	0.24
Albuquerque, NM	CO	Maintenance	100	-	0.02	0.03	0.11
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.01	0.03
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.02	0.03	0.11
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.01	0.02
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.03
Anchorage, AK	CO	Maintenance	100	-	0.00	0.01	0.03
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	0.20	0.32	1.25
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.20	0.32	1.25
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Bakersfield, CA	CO	Maintenance	100	-	0.00	0.00	0.05
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.00
Baltimore, MD	Ozone	Moderate	50	-	0.09	0.14	0.56
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.09	0.14	0.56
Baton Rouge, LA	Ozone	Moderate	50	-	-0.02	-0.02	0.03
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.50	-0.69	-1.35
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.01	0.01	0.04
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.01	0.03
Billings, MT	CO	Maintenance	100	-	0.00	0.00	0.01
Birmingham, AL	Ozone	Maintenance	100	-	0.03	0.05	0.19
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.03	0.05	0.19
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.01	0.02	0.06
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.01	0.02	0.06
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Boston, MA	CO	Maintenance	100	-	0.03	0.04	0.16
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.16	0.25	0.96
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.02	0.03	0.12
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.04	0.06	0.22
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.01	0.01	0.06
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.06
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.01	0.01	0.05
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.05
Charlotte, NC	CO	Maintenance	100	-	0.02	0.04	0.14
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.05	0.08	0.31

Table B1-21
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Acetaldehyde 2021

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.10
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.02	0.02	0.09
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.21	0.34	1.33
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.22	0.35	1.37
Chico, CA	CO	Maintenance	100	-	0.00	0.00	0.02
Chico, CA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.05
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.06	0.10	0.37
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.06	0.09	0.36
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.04	0.07	0.27
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.01	0.01	0.05
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.01	0.01	0.03
Cleveland, OH	CO	Maintenance	100	-	0.03	0.05	0.18
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.08	0.13	0.49
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.07	0.12	0.45
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.02	0.03	0.11
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Colorado Springs, CO	CO	Maintenance	100	-	0.02	0.03	0.11
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.02	0.03	0.12
Columbus, OH	Ozone	Maintenance	100	-	0.05	0.08	0.31
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.05	0.07	0.29
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.03	0.05	0.18
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.02	0.04	0.15
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.21	0.33	1.28
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.03	0.04	0.16
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.02	0.04	0.14
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.09	0.14	0.55
Denver-Boulder, CO	CO	Maintenance	100	-	0.09	0.14	0.53
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.11	0.17	0.67
Detroit, MI	CO	Maintenance	100	-	0.05	0.08	0.31
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.14	0.23	0.88
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.14	0.22	0.86
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Duluth, MN	CO	Maintenance	100	-	0.00	0.00	0.02
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.01	0.01	0.04
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.01	0.02	0.09
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.01
Erie, PA	Ozone	Maintenance	100	-	0.01	0.01	0.04
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00

Table B1-21
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Acetaldehyde 2021

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Eugene-Springfield, OR	CO	Maintenance	100	-	0.01	0.01	0.04
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.01	0.01	0.04
Evansville, IN	Ozone	Maintenance	100	-	0.01	0.01	0.05
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.06
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.01	0.01	0.06
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	0.02	0.03	0.10
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.01	0.01	0.03
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.01	0.02	0.07
Franklin County, PA	Ozone	Maintenance	100	-	0.00	0.01	0.03
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.02
Fredericksburg, VA	Ozone	Maintenance	100	-	0.01	0.02	0.08
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Fresno, CA	CO	Maintenance	100	-	0.02	0.03	0.11
Grand Rapids, MI	Ozone	Maintenance	100	-	0.02	0.04	0.15
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	0.05	0.08	0.31
Greeley, CO	CO	Maintenance	100	-	0.00	0.01	0.02
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.01	0.02
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.05	0.08	0.31
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.02	0.04	0.15
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.03	0.04	0.17
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.01	0.02
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.03	0.04	0.16
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.04	0.15
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.03	0.05	0.20
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	0.01
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.03
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.01	0.01	0.06
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.54	-0.70	-0.90
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.06
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.01	0.01	0.03
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Imperial County, CA	Ozone	Moderate	50	-	0.01	0.01	0.04
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.01	0.01	0.04
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.06	0.10	0.38
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.05	0.08	0.30
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.02
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.01	0.03
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.01	0.02
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.01	0.01	0.04
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.01	0.02
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.02
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.02	0.02	0.10
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.05	0.08	0.31
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.01	0.03
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.02
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.00
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	0.01
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.04	0.06	0.22
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.03	0.04	0.17
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.01
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake County, IN	SO _x	Maintenance	100	-	0.01	0.02	0.06
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.01	0.02	0.08
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.08
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.01	0.02	0.09
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.00	0.02
Las Vegas, NV	CO	Serious	100	-	0.04	0.07	0.27
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.04	0.07	0.28
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.02
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Lima, OH	Ozone	Maintenance	100	-	0.00	0.01	0.02

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Longmont, CO	CO	Maintenance	100	-	0.00	0.00	0.02
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.40	0.65	2.68
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	0.40	0.65	2.68
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.40	0.65	2.68
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.40	0.65	2.68
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.40	0.65	2.68
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.02	0.03	0.13
Louisville, KY-IN	Ozone	Maintenance	100	-	0.03	0.06	0.22
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.03	0.05	0.21
Lowell, MA	CO	Maintenance	100	-	0.00	0.01	0.02
Lucas County, OH	SO _x	Maintenance	100	-	0.01	0.01	0.06
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Macon, GA	Ozone	Maintenance	100	-	0.01	0.01	0.04
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.04
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.01	0.01	0.04
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Manchester, NH	CO	Maintenance	100	-	0.00	0.00	0.01
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.01	0.02
Marion County, IN	SO _x	Maintenance	100	-	0.01	0.02	0.06
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.02
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.06
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Medford, OR	CO	Maintenance	100	-	0.00	0.00	0.01
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	0.03
Memphis, TN-AR	Ozone	Maintenance	100	-	0.03	0.05	0.19
Memphis, TN	CO	Maintenance	100	-	0.03	0.05	0.18
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.02	0.03	0.10
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.05	0.09	0.34
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.05	0.09	0.44
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.08	0.14	0.52
Missoula, MT	CO	Maintenance	100	-	0.00	0.00	0.01
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Modesto, CA	CO	Maintenance	100	-	0.01	0.01	0.06
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.01
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.01	0.02
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.01	0.02
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	0.01
Nashville, TN	Ozone	Former Subpart 1	50	-	0.05	0.08	0.31

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Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.02
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.01	0.03
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.02	0.04	0.15
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.01	0.02	0.09
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.24	0.38	1.49
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.45	0.73	2.82
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.45	0.72	2.79
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.05	0.08	0.30
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	0.01
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.01	0.03
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.03
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.00	0.02
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.01	0.02	0.08
Philadelaphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.14	0.22	0.84
Philidelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.20	0.32	1.24
Phoenix, AZ	CO	Maintenance	100	-	0.13	0.21	0.83
Phoenix, AZ	PM ₁₀	Serious	70	-	0.14	0.22	0.86
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.14	0.22	0.86
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.00
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.06	0.10	0.38
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.06	0.09	0.35
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.02	0.03	0.11
Portland, OR	CO	Maintenance	100	-	0.03	0.06	0.22
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Poughkeepsie, NY	Ozone	Moderate	50	-	0.04	0.06	0.25
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.03	0.05	0.18
Provo, UT	CO	Maintenance	100	-	0.00	0.01	0.03
Raleigh-Durham, NC	CO	Maintenance	100	-	0.04	0.06	0.24
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.05	0.08	0.33
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00

Table B1-21
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Acetaldehyde 2021

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Reading, PA	Ozone	Maintenance	100	-	0.01	0.02	0.06
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.06
Reno, NV	CO	Maintenance	100	-	0.01	0.01	0.05
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.04	0.06	0.23
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.02	0.03	0.11
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.05
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.00	0.02
Rochester, NY	Ozone	Former Subpart 1	50	-	0.04	0.07	0.25
Rocky Mount, NC	Ozone	Maintenance	100	-	0.01	0.01	0.04
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.02
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.04	0.07	0.27
Sacramento Metro, CA	Ozone	Severe	25	-	0.08	0.12	0.48
Sacramento, CA	CO	Maintenance	100	-	0.05	0.08	0.30
Salem, OR	CO	Maintenance	100	-	0.00	0.01	0.02
Salt Lake City, UT	CO	Maintenance	100	-	-0.03	-0.04	-0.06
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-0.01	-0.00	0.09
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.03	0.05	0.19
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.06	0.09	0.35
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.01	0.02	0.08
San Diego, CA	CO	Maintenance	100	-	0.12	0.20	0.76
San Diego, CA	Ozone	Former Subpart 1	50	-	0.12	0.20	0.76
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.19	0.31	1.18
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.22	0.35	1.34
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.12	0.20	0.79
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.12	0.20	0.79
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.12	0.20	0.79
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.02	0.03	0.13
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.09	0.14	0.56
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.01	0.02
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.01	0.02	0.09
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.01	0.01	0.03
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	0.06
Spokane, WA	CO	Maintenance	100	-	0.01	0.01	0.05
Springfield (western MA), MA	Ozone	Moderate	50	-	0.03	0.04	0.17
Springfield, MA	CO	Maintenance	100	-	0.00	0.01	0.03
St Louis, MO	CO	Maintenance	100	-	0.03	0.05	0.18
St Louis, MO-IL	Ozone	Moderate	50	-	0.09	0.15	0.57
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.09	0.15	0.56
State College, PA	Ozone	Maintenance	100	-	0.01	0.01	0.03

Table B1-21
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Acetaldehyde 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.00	0.02
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.02
Stockton, CA	CO	Maintenance	100	-	0.01	0.02	0.08
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.02	0.03	0.10
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.01	0.03
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Toledo, OH	Ozone	Maintenance	100	-	0.02	0.03	0.11
Toms River, NJ	CO	Maintenance	100	-	0.00	0.00	0.02
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.00	0.02
Trenton, NJ	CO	Maintenance	100	-	0.00	0.00	0.02
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.03	0.05	0.18
Utah County, UT	PM ₁₀	Moderate	100	-	0.01	0.02	0.09
Vancouver, WA	CO	Maintenance	100	-	0.01	0.01	0.06
Ventura County, CA	Ozone	Serious	50	-	0.02	0.04	0.15
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.03
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	0.01
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.01	0.01	0.04
Washington, DC-MD-VA	CO	Maintenance	100	-	0.05	0.08	0.30
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.16	0.26	1.00
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.16	0.25	0.98
Washoe County, NV	PM ₁₀	Serious	70	-	0.01	0.01	0.05
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.01	0.03
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.03
Winston-Salem, NC	CO	Maintenance	100	-	0.01	0.02	0.08
Worcester, MA	CO	Maintenance	100	-	0.01	0.01	0.04
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	0.01
York, PA	Ozone	Maintenance	100	-	0.01	0.02	0.08
York, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.06
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.02	0.03	0.12
Yuma, AZ	PM ₁₀	Moderate	100	-	0.01	0.01	0.03

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

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

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

Source: EPA, 2008.

Table B1-22
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.13	0.23	0.39
Albuquerque, NM	CO	Maintenance	100	-	0.06	0.11	0.18
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.01	0.03	0.04
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.06	0.11	0.18
Altoona, PA	Ozone	Maintenance	100	-	0.01	0.02	0.03
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.02	0.03	0.05
Anchorage, AK	CO	Maintenance	100	-	0.01	0.03	0.04
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	0.67	1.20	2.05
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.67	1.20	2.05
Atlantic City, NJ	CO	Maintenance	100	-	0.01	0.01	0.02
Bakersfield, CA	CO	Maintenance	100	-	0.01	0.03	0.06
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.00
Baltimore, MD	Ozone	Moderate	50	-	0.30	0.53	0.91
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.30	0.53	0.91
Baton Rouge, LA	Ozone	Moderate	50	-	-0.02	-0.02	-0.03
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-1.22	-1.88	-3.19
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.02	0.03	0.06
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.01	0.03	0.04
Billings, MT	CO	Maintenance	100	-	0.01	0.01	0.02
Birmingham, AL	Ozone	Maintenance	100	-	0.10	0.18	0.31
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.10	0.18	0.31
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.03	0.06	0.10
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.03	0.06	0.10
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Boston, MA	CO	Maintenance	100	-	0.09	0.15	0.26
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.51	0.91	1.56
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.06	0.12	0.20
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.12	0.21	0.35
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.03	0.05	0.09
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.03	0.05	0.09
Case County, MI	Ozone	Maintenance	100	-	0.00	0.01	0.01
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.03	0.05	0.08

Table B1-22
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.03	0.05	0.08
Charlotte, NC	CO	Maintenance	100	-	0.07	0.13	0.23
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.16	0.29	0.50
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.05	0.10	0.17
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.05	0.09	0.15
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.71	1.26	2.16
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.73	1.30	2.23
Chico, CA	CO	Maintenance	100	-	0.01	0.02	0.03
Chico, CA	Ozone	Former Subpart 1	50	-	0.03	0.04	0.08
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.20	0.35	0.60
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.19	0.34	0.58
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.15	0.27	0.46
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.03	0.05	0.08
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.02	0.03	0.06
Cleveland, OH	CO	Maintenance	100	-	0.09	0.17	0.29
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.26	0.46	0.79
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.24	0.42	0.72
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.06	0.11	0.20
Colbert County, AL	SO _x	Maintenance	100	-	0.01	0.01	0.02
Colorado Springs, CO	CO	Maintenance	100	-	0.06	0.11	0.18
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.06	0.12	0.20
Columbus, OH	Ozone	Maintenance	100	-	0.17	0.30	0.51
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.16	0.28	0.48
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.09	0.17	0.29
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.08	0.14	0.23
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.70	1.25	2.13
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.08	0.15	0.26
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.07	0.13	0.23
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.30	0.53	0.91
Denver-Boulder, CO	CO	Maintenance	100	-	0.29	0.51	0.87
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.36	0.64	1.10
Detroit, MI	CO	Maintenance	100	-	0.16	0.28	0.49
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.46	0.83	1.41
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.45	0.81	1.39
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.01	0.01
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Duluth, MN	CO	Maintenance	100	-	0.01	0.01	0.02
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.02	0.04	0.06
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.05	0.09	0.15
El Paso, TX	CO	Maintenance	100	-	0.00	0.01	0.01

Table B1-22
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Erie, PA	Ozone	Maintenance	100	-	0.02	0.04	0.07
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.02	0.04	0.07
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.02	0.04	0.07
Evansville, IN	Ozone	Maintenance	100	-	0.03	0.05	0.08
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.03	0.06	0.10
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.01
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.03	0.05	0.09
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	0.05	0.09	0.16
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.02	0.03	0.05
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.04	0.07	0.11
Franklin County, PA	Ozone	Maintenance	100	-	0.02	0.03	0.05
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.01	0.02	0.04
Fredericksburg, VA	Ozone	Maintenance	100	-	0.04	0.07	0.13
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Fresno, CA	CO	Maintenance	100	-	0.06	0.11	0.18
Grand Rapids, MI	Ozone	Maintenance	100	-	0.08	0.14	0.25
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	0.01
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.01
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.01
Greater Connecticut, CT	Ozone	Moderate	50	-	0.16	0.29	0.50
Greeley, CO	CO	Maintenance	100	-	0.01	0.02	0.04
Green Bay, WI	SO _x	Maintenance	100	-	0.01	0.02	0.04
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.01	0.01
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.01	0.01
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.16	0.29	0.50
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.08	0.14	0.25
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.09	0.16	0.27
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.01	0.02	0.04
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.09	0.15	0.26
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.08	0.14	0.24
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.11	0.19	0.32
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.01	0.01
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.05
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.03	0.05	0.09
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-1.16	-1.66	-2.80
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00

Table B1-22
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Acetaldehyde 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.03	0.05	0.09
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.02	0.03	0.05
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.01	0.01
Imperial County, CA	Ozone	Moderate	50	-	0.02	0.04	0.07
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.02	0.04	0.07
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.01
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.20	0.36	0.61
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.16	0.28	0.49
Jackson County, IN	Ozone	Maintenance	100	-	0.01	0.01	0.02
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.02	0.03	0.05
Jefferson County, NY	Ozone	Moderate	50	-	0.01	0.02	0.04
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.02	0.04	0.07
Johnstown, PA	Ozone	Maintenance	100	-	0.01	0.02	0.03
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.03
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.05	0.09	0.15
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.17	0.30	0.51
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.01	0.03	0.04
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.03
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.01
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.01	0.02
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.12	0.21	0.36
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.09	0.16	0.28
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.01
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake County, IN	SO _x	Maintenance	100	-	0.03	0.05	0.09
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.01	0.01
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.01	0.01
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.01	0.01	0.02
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.01
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.04	0.08	0.14
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.04	0.08	0.14
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.05	0.09	0.15
LaPorte, IN	Ozone	Maintenance	100	-	0.01	0.02	0.03
Las Vegas, NV	CO	Serious	100	-	0.15	0.27	0.46
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.15	0.27	0.47
Lauderdale County, AL	SO _x	Maintenance	100	-	0.01	0.02	0.03
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Lima, OH	Ozone	Maintenance	100	-	0.01	0.02	0.03
Longmont, CO	CO	Maintenance	100	-	0.01	0.02	0.03
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.01	0.01
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	1.38	2.51	4.29
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	1.38	2.51	4.29
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	1.38	2.51	4.29
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	1.38	2.51	4.29
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	1.38	2.51	4.29
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.07	0.12	0.21
Louisville, KY-IN	Ozone	Maintenance	100	-	0.11	0.20	0.34
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.11	0.19	0.33
Lowell, MA	CO	Maintenance	100	-	0.01	0.02	0.03
Lucas County, OH	SO _x	Maintenance	100	-	0.03	0.05	0.09
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.01	0.01	0.02
Macon, GA	Ozone	Maintenance	100	-	0.02	0.04	0.06
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.02	0.04	0.06
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.02	0.04	0.07
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Manchester, NH	CO	Maintenance	100	-	0.01	0.01	0.02
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.01	0.02	0.03
Marion County, IN	SO _x	Maintenance	100	-	0.03	0.06	0.10
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.02	0.03
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.03	0.06	0.10
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Medford, OR	CO	Maintenance	100	-	0.01	0.01	0.02
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.02	0.03	0.06
Memphis, TN-AR	Ozone	Maintenance	100	-	0.10	0.18	0.30
Memphis, TN	CO	Maintenance	100	-	0.09	0.16	0.28
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.01	0.01
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.05	0.09	0.16
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.18	0.32	0.54
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.20	0.38	0.66
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.28	0.50	0.86
Missoula, MT	CO	Maintenance	100	-	0.01	0.01	0.02
Missoula, MT	PM ₁₀	Moderate	100	-	0.01	0.01	0.02
Modesto, CA	CO	Maintenance	100	-	0.03	0.06	0.09
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.01	0.02	0.03
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.01	0.01
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.01	0.01
Muncie, IN	Ozone	Maintenance	100	-	0.01	0.02	0.04
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.01	0.02	0.04
Nashua, NH	CO	Maintenance	100	-	0.01	0.01	0.02

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Nashville, TN	Ozone	Former Subpart 1	50	-	0.16	0.29	0.50
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.01	0.03	0.04
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.01	0.02	0.04
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.08	0.14	0.24
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.05	0.08	0.14
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.78	1.39	2.39
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	1.48	2.65	4.53
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	1.47	2.63	4.50
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.16	0.28	0.48
Ogden, UT	CO	Maintenance	100	-	0.01	0.01	0.02
Ogden, UT	PM ₁₀	Moderate	100	-	0.01	0.01	0.02
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.01	0.02	0.03
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.01	0.03	0.04
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.04
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.01	0.02	0.03
Perth Amboy, NJ	CO	Maintenance	100	-	0.01	0.01	0.02
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.04	0.07	0.12
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.44	0.79	1.35
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.65	1.16	1.99
Phoenix, AZ	CO	Maintenance	100	-	0.47	0.84	1.44
Phoenix, AZ	PM ₁₀	Serious	70	-	0.48	0.87	1.48
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.49	0.87	1.49
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.01
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.20	0.36	0.61
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.18	0.33	0.56
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.06	0.10	0.17
Portland, OR	CO	Maintenance	100	-	0.11	0.20	0.35
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.01	0.01
Poughkeepsie, NY	Ozone	Moderate	50	-	0.14	0.24	0.42
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.10	0.18	0.30
Provo, UT	CO	Maintenance	100	-	0.02	0.03	0.05
Raleigh-Durham, NC	CO	Maintenance	100	-	0.13	0.23	0.40

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				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.18	0.32	0.54
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.03	0.06	0.10
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.06	0.10
Reno, NV	CO	Maintenance	100	-	0.02	0.04	0.07
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.12	0.22	0.37
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.06	0.11	0.20
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.03	0.05	0.08
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.01	0.01	0.02
Rochester, NY	Ozone	Former Subpart 1	50	-	0.13	0.24	0.41
Rocky Mount, NC	Ozone	Maintenance	100	-	0.02	0.03	0.06
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.04
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.15	0.27	0.46
Sacramento Metro, CA	Ozone	Severe	25	-	0.27	0.48	0.82
Sacramento, CA	CO	Maintenance	100	-	0.17	0.30	0.51
Salem, OR	CO	Maintenance	100	-	0.01	0.02	0.04
Salt Lake City, UT	CO	Maintenance	100	-	-0.07	-0.10	-0.17
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.01	0.04	0.08
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.10	0.18	0.31
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.19	0.33	0.57
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.04	0.08	0.13
San Diego, CA	CO	Maintenance	100	-	0.41	0.74	1.27
San Diego, CA	Ozone	Former Subpart 1	50	-	0.42	0.74	1.27
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.64	1.14	1.96
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.72	1.29	2.22
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.42	0.76	1.31
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.43	0.77	1.32
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.42	0.76	1.31
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.01	0.01
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.07	0.12	0.20
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.30	0.53	0.91
Sheboygan, WI	Ozone	Moderate	50	-	0.01	0.02	0.04
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.05	0.08	0.14
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.02	0.03	0.05
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.03	0.05	0.09
Spokane, WA	CO	Maintenance	100	-	0.03	0.05	0.09
Springfield (western MA), MA	Ozone	Moderate	50	-	0.09	0.16	0.27
Springfield, MA	CO	Maintenance	100	-	0.01	0.03	0.04
St Louis, MO	CO	Maintenance	100	-	0.09	0.16	0.28
St Louis, MO-IL	Ozone	Moderate	50	-	0.29	0.53	0.90

Table B1-22
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.29	0.52	0.90
State College, PA	Ozone	Maintenance	100	-	0.02	0.03	0.05
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.01	0.01
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.01	0.02	0.03
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.03
Stockton, CA	CO	Maintenance	100	-	0.05	0.08	0.14
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.05	0.09	0.16
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.01	0.02	0.04
Tioga County, PA	Ozone	Maintenance	100	-	0.01	0.01	0.02
Toledo, OH	Ozone	Maintenance	100	-	0.05	0.10	0.17
Toms River, NJ	CO	Maintenance	100	-	0.01	0.02	0.03
Tooele County, UT	SO _x	Nonattainment	100	-	0.01	0.02	0.03
Trenton, NJ	CO	Maintenance	100	-	0.01	0.02	0.03
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.10	0.18	0.30
Utah County, UT	PM ₁₀	Moderate	100	-	0.05	0.09	0.15
Vancouver, WA	CO	Maintenance	100	-	0.03	0.06	0.09
Ventura County, CA	Ozone	Serious	50	-	0.08	0.15	0.25
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.01	0.02	0.04
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.01	0.01	0.02
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.01	0.01
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.02	0.04	0.06
Washington, DC-MD-VA	CO	Maintenance	100	-	0.16	0.28	0.48
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.54	0.96	1.65
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.53	0.94	1.61
Washoe County, NV	PM ₁₀	Serious	70	-	0.02	0.04	0.07
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.01	0.01	0.02
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.01	0.01	0.02
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.01	0.03	0.05
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.05
Winston-Salem, NC	CO	Maintenance	100	-	0.04	0.07	0.13
Worcester, MA	CO	Maintenance	100	-	0.02	0.04	0.07
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.01	0.02	0.03
Yakima, WA	CO	Maintenance	100	-	0.00	0.01	0.01

Table B1-22
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
York, PA	Ozone	Maintenance	100	-	0.04	0.08	0.14
York, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.06	0.11
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.06	0.11	0.19
Yuma, AZ	PM ₁₀	Moderate	100	-	0.02	0.03	0.06

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

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

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

Source: EPA, 2008.

Table B1-23
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Acetaldehyde 2040

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.57	0.81	-0.70
Albuquerque, NM	CO	Maintenance	100	-	0.26	0.37	-0.32
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.07	0.10	-0.08
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.26	0.38	-0.32
Altoona, PA	Ozone	Maintenance	100	-	0.04	0.06	-0.05
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.09	0.13	-0.11
Anchorage, AK	CO	Maintenance	100	-	0.07	0.10	-0.08
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Atlanta, GA	Ozone	Moderate	50	-	3.10	4.45	-3.80
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	3.10	4.45	-3.80
Atlantic City, NJ	CO	Maintenance	100	-	0.02	0.03	-0.03
Bakersfield, CA	CO	Maintenance	100	-	0.13	0.16	-0.46
Baltimore, MD	CO	Maintenance	100	-	0.00	0.01	-0.01
Baltimore, MD	Ozone	Moderate	50	-	1.35	1.95	-1.66
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	1.35	1.95	-1.66
Baton Rouge, LA	Ozone	Moderate	50	-	0.07	0.03	-1.04
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-3.08	-5.37	-8.87
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.07	0.10	-0.09
Benzie County, MI	Ozone	Maintenance	100	-	0.01	0.02	-0.01
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.07	0.10	-0.08
Billings, MT	CO	Maintenance	100	-	0.03	0.05	-0.04
Birmingham, AL	Ozone	Maintenance	100	-	0.43	0.62	-0.53
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.43	0.62	-0.53
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.15	0.21	-0.18
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.15	0.21	-0.18
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.01	0.01	-0.01
Boston, MA	CO	Maintenance	100	-	0.37	0.53	-0.45
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	2.26	3.24	-2.77
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.30	0.42	-0.36
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.01	-0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.49	0.71	-0.61
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.01
Canon City, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.01
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.12	0.18	-0.15
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.12	0.18	-0.15
Case County, MI	Ozone	Maintenance	100	-	0.02	0.03	-0.02
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Charleston, WV	Ozone	Maintenance	100	-	0.11	0.16	-0.14
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.11	0.16	-0.14
Charlotte, NC	CO	Maintenance	100	-	0.34	0.49	-0.42
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.76	1.09	-0.93

Table B1-23
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Acetaldehyde 2040

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.23	0.34	-0.29
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.21	0.31	-0.26
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	3.18	4.57	-3.90
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	3.29	4.72	-4.04
Chico, CA	CO	Maintenance	100	-	0.06	0.08	-0.07
Chico, CA	Ozone	Former Subpart 1	50	-	0.13	0.18	-0.15
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.87	1.25	-1.07
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.84	1.21	-1.03
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.01
Clark County, NV	PM ₁₀	Serious	70	-	0.73	1.05	-0.90
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.12	0.17	-0.15
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.08	0.11	-0.09
Cleveland, OH	CO	Maintenance	100	-	0.37	0.54	-0.46
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	1.10	1.57	-1.35
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	1.01	1.44	-1.24
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.33	0.47	-0.40
Colbert County, AL	SO _x	Maintenance	100	-	0.02	0.03	-0.03
Colorado Springs, CO	CO	Maintenance	100	-	0.28	0.40	-0.34
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.29	0.41	-0.35
Columbus, OH	Ozone	Maintenance	100	-	0.78	1.12	-0.96
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.73	1.04	-0.89
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.37	0.54	-0.46
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.31	0.45	-0.38
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	3.31	4.75	-4.06
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.35	0.50	-0.43
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.31	0.44	-0.38
Denver Metro, CO	PM ₁₀	Maintenance	100	-	1.40	2.01	-1.72
Denver-Boulder, CO	CO	Maintenance	100	-	1.34	1.92	-1.64
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	1.69	2.42	-2.07
Detroit, MI	CO	Maintenance	100	-	0.63	0.91	-0.78
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	2.02	2.91	-2.48
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	1.99	2.85	-2.44
Door County, WI	Ozone	Former Subpart 1	50	-	0.02	0.02	-0.02
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.02	0.02	-0.02
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.01	0.02	-0.01
Duluth, MN	CO	Maintenance	100	-	0.03	0.05	-0.04
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.01	-0.01
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.09	0.12	-0.11
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.22	0.32	-0.27
El Paso, TX	CO	Maintenance	100	-	0.01	0.02	-0.02
Erie, PA	Ozone	Maintenance	100	-	0.10	0.14	-0.12
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00

Table B1-23
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Acetaldehyde 2040

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Eugene-Springfield, OR	CO	Maintenance	100	-	0.10	0.15	-0.13
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.10	0.14	-0.12
Evansville, IN	Ozone	Maintenance	100	-	0.11	0.16	-0.13
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.14	0.20	-0.17
Fairbanks, AK	CO	Maintenance	100	-	0.01	0.01	-0.01
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.13	0.19	-0.16
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Flint, MI	Ozone	Maintenance	100	-	0.22	0.32	-0.27
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	0.08	0.12	-0.10
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.16	0.23	-0.20
Franklin County, PA	Ozone	Maintenance	100	-	0.07	0.10	-0.08
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.06	0.08	-0.07
Fredericksburg, VA	Ozone	Maintenance	100	-	0.20	0.29	-0.25
Freehold, NJ	CO	Maintenance	100	-	0.01	0.01	-0.01
Fresno, CA	CO	Maintenance	100	-	0.28	0.40	-0.34
Grand Rapids, MI	Ozone	Maintenance	100	-	0.37	0.53	-0.46
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.02
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.02
Great Falls, MT	CO	Maintenance	100	-	0.01	0.01	-0.01
Greater Connecticut, CT	Ozone	Moderate	50	-	0.70	1.01	-0.86
Greeley, CO	CO	Maintenance	100	-	0.06	0.08	-0.07
Green Bay, WI	SO _x	Maintenance	100	-	0.05	0.08	-0.07
Greene County, IN	Ozone	Maintenance	100	-	0.02	0.03	-0.03
Greene County, PA	Ozone	Maintenance	100	-	0.02	0.03	-0.02
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.70	1.01	-0.86
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.34	0.49	-0.42
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.38	0.54	-0.47
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.01	0.01	-0.01
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.05	0.07	-0.06
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.39	0.56	-0.48
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.36	0.51	-0.44
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.45	0.64	-0.55
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.01	-0.01
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.02	0.03	-0.02
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.02	0.02	-0.02
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.07	0.11	-0.09
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.12	0.18	-0.15
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-1.87	-3.99	-14.97
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.13	0.18	-0.15
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.07	0.09	-0.08
Huron County, MI	Ozone	Maintenance	100	-	0.01	0.02	-0.01

Table B1-23
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Acetaldehyde 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Imperial County, CA	Ozone	Moderate	50	-	0.11	0.15	-0.13
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.10	0.15	-0.13
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.01	0.02	-0.02
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.91	1.30	-1.11
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.72	1.04	-0.89
Jackson County, IN	Ozone	Maintenance	100	-	0.03	0.05	-0.04
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.07	0.10	-0.08
Jefferson County, NY	Ozone	Moderate	50	-	0.05	0.08	-0.07
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.09	0.13	-0.11
Johnstown, PA	Ozone	Maintenance	100	-	0.04	0.05	-0.05
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.04	0.06	-0.05
Juneau, AK	PM ₁₀	Moderate	100	-	0.01	0.01	-0.01
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.22	0.31	-0.27
Kalispell, MT	PM ₁₀	Moderate	100	-	0.01	0.02	-0.02
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.76	1.09	-0.93
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.07	0.09	-0.08
Kent, WA	PM ₁₀	Maintenance	100	-	0.01	0.02	-0.01
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.04	0.05	-0.04
Kewaunee County, WI	Ozone	Maintenance	100	-	0.01	0.01	-0.01
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.01
Klamath Falls, OR	CO	Maintenance	100	-	0.02	0.03	-0.03
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.02	0.03	-0.03
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.56	0.80	-0.68
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.42	0.61	-0.52
La Porte County, IN	SO _x	Maintenance	100	-	0.01	0.02	-0.02
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.01
Lake County, IN	SO _x	Maintenance	100	-	0.13	0.18	-0.15
Lake County, OH	SO _x	Maintenance	100	-	0.02	0.02	-0.02
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.02	0.02	-0.02
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.03	0.05	-0.04
Lake Tahoe, NV	CO	Maintenance	100	-	0.01	0.01	-0.01
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.20	0.29	-0.25
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.20	0.29	-0.25
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.21	0.30	-0.26
LaPorte, IN	Ozone	Maintenance	100	-	0.04	0.06	-0.05
Las Vegas, NV	CO	Serious	100	-	0.73	1.05	-0.90
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.74	1.07	-0.91
Lauderdale County, AL	SO _x	Maintenance	100	-	0.04	0.05	-0.04
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.01
Lima, OH	Ozone	Maintenance	100	-	0.05	0.07	-0.06

Table B1-23
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Acetaldehyde 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Longmont, CO	CO	Maintenance	100	-	0.04	0.06	-0.05
Lorain County, OH	SO _x	Maintenance	100	-	0.02	0.03	-0.02
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	6.69	9.50	-9.63
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	6.69	9.50	-9.63
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	6.69	9.50	-9.63
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	6.69	9.50	-9.63
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	6.68	9.49	-9.63
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.32	0.46	-0.40
Louisville, KY-IN	Ozone	Maintenance	100	-	0.48	0.69	-0.59
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.46	0.66	-0.57
Lowell, MA	CO	Maintenance	100	-	0.05	0.07	-0.06
Lucas County, OH	SO _x	Maintenance	100	-	0.12	0.18	-0.15
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.03	0.04	-0.03
Macon, GA	Ozone	Maintenance	100	-	0.08	0.12	-0.10
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.08	0.12	-0.10
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Madison, WI	SO _x	Maintenance	100	-	0.12	0.17	-0.14
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.01	0.01	-0.01
Manchester, NH	CO	Maintenance	100	-	0.03	0.04	-0.04
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.04	0.06	-0.05
Marion County, IN	SO _x	Maintenance	100	-	0.13	0.19	-0.16
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.06	0.08	-0.07
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.14	0.20	-0.17
Mason County, MI	Ozone	Maintenance	100	-	0.01	0.02	-0.01
Medford, OR	CO	Maintenance	100	-	0.04	0.05	-0.05
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.09	0.13	-0.11
Memphis, TN-AR	Ozone	Maintenance	100	-	0.41	0.59	-0.51
Memphis, TN	CO	Maintenance	100	-	0.38	0.55	-0.47
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.01	0.02	-0.02
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.22	0.32	-0.27
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.79	1.13	-0.97
Minneapolis-St Paul, MN	CO	Maintenance	100	-	1.08	1.49	-2.19
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	1.27	1.82	-1.55
Missoula, MT	CO	Maintenance	100	-	0.03	0.04	-0.03
Missoula, MT	PM ₁₀	Moderate	100	-	0.03	0.04	-0.03
Modesto, CA	CO	Maintenance	100	-	0.15	0.22	-0.19
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.05	0.07	-0.06
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Morristown, NJ	CO	Maintenance	100	-	0.02	0.02	-0.02
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.01	0.02	-0.01
Muncie, IN	Ozone	Maintenance	100	-	0.05	0.07	-0.06
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.01	0.01	-0.01
Muskegon, MI	Ozone	Maintenance	100	-	0.06	0.08	-0.07
Nashua, NH	CO	Maintenance	100	-	0.03	0.04	-0.03
Nashville, TN	Ozone	Former Subpart 1	50	-	0.75	1.08	-0.92

Table B1-23
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Acetaldehyde 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.08	0.11	-0.09
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.07	0.09	-0.08
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.33	0.48	-0.41
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.19	0.27	-0.23
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	3.36	4.82	-4.12
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	6.48	9.31	-7.96
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	6.42	9.22	-7.89
Nogales, AZ	PM ₁₀	Moderate	100	-	0.02	0.03	-0.02
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.68	0.98	-0.84
Ogden, UT	CO	Maintenance	100	-	0.03	0.04	-0.04
Ogden, UT	PM ₁₀	Moderate	100	-	0.03	0.04	-0.04
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.01
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.05	0.07	-0.06
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.06	0.09	-0.07
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.06	0.09	-0.08
Payson, AZ	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.01
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.04	0.06	-0.05
Perth Amboy, NJ	CO	Maintenance	100	-	0.04	0.06	-0.05
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.16	0.22	-0.19
Philadelaphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	1.91	2.74	-2.34
Philidelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	2.82	4.05	-3.46
Phoenix, AZ	CO	Maintenance	100	-	2.49	3.57	-3.05
Phoenix, AZ	PM ₁₀	Serious	70	-	2.55	3.67	-3.14
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	2.56	3.68	-3.15
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.01
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.01	0.02	-0.01
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.84	1.21	-1.04
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.77	1.11	-0.95
Polk County, TN	SO _x	Maintenance	100	-	0.01	0.01	-0.01
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Portland, ME	Ozone	Maintenance	100	-	0.25	0.35	-0.30
Portland, OR	CO	Maintenance	100	-	0.50	0.71	-0.63
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.02	0.03	-0.02
Poughkeepsie, NY	Ozone	Moderate	50	-	0.65	0.94	-0.80
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.44	0.63	-0.54
Provo, UT	CO	Maintenance	100	-	0.08	0.11	-0.10
Raleigh-Durham, NC	CO	Maintenance	100	-	0.61	0.88	-0.75
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.83	1.19	-1.02
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00

Table B1-23
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Acetaldehyde 2040

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Reading, PA	Ozone	Maintenance	100	-	0.14	0.21	-0.18
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.14	0.21	-0.18
Reno, NV	CO	Maintenance	100	-	0.11	0.15	-0.13
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.53	0.77	-0.65
Rillito, AZ	PM ₁₀	Moderate	100	-	0.02	0.03	-0.03
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.33	0.47	-0.40
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.11	0.16	-0.14
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.04	0.05	-0.04
Rochester, NY	Ozone	Former Subpart 1	50	-	0.58	0.83	-0.71
Rocky Mount, NC	Ozone	Maintenance	100	-	0.08	0.11	-0.10
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.05	0.07	-0.06
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.75	1.07	-0.92
Sacramento Metro, CA	Ozone	Severe	25	-	1.37	1.96	-1.68
Sacramento, CA	CO	Maintenance	100	-	0.84	1.20	-1.03
Salem, OR	CO	Maintenance	100	-	0.06	0.08	-0.07
Salt Lake City, UT	CO	Maintenance	100	-	-0.14	-0.26	-0.74
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.23	0.26	-1.19
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.46	0.66	-0.57
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.85	1.22	-1.04
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.20	0.29	-0.25
San Diego, CA	CO	Maintenance	100	-	2.03	2.91	-2.49
San Diego, CA	Ozone	Former Subpart 1	50	-	2.03	2.91	-2.49
San Francisco Bay Area, CA	Ozone	Marginal	50	-	3.00	4.30	-3.68
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	3.38	4.85	-4.15
San Joaquin Valley, CA	Ozone	Extreme	10	-	2.17	3.09	-2.96
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	2.17	3.10	-2.97
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	2.17	3.09	-2.96
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.02	0.02	-0.02
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.29	0.42	-0.36
Seattle-Tacoma, WA	CO	Maintenance	100	-	1.37	1.97	-1.68
Sheboygan, WI	Ozone	Moderate	50	-	0.05	0.08	-0.07
Sheridan, WY	PM ₁₀	Moderate	100	-	0.01	0.01	-0.01
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.01	0.01	-0.01
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.20	0.28	-0.24
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.06	0.09	-0.08
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.14	0.19	-0.17
Spokane, WA	CO	Maintenance	100	-	0.13	0.19	-0.16
Springfield (western MA), MA	Ozone	Moderate	50	-	0.39	0.56	-0.47
Springfield, MA	CO	Maintenance	100	-	0.06	0.09	-0.08
St Louis, MO	CO	Maintenance	100	-	0.36	0.51	-0.44
St Louis, MO-IL	Ozone	Moderate	50	-	1.24	1.78	-1.52
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	1.23	1.77	-1.51
State College, PA	Ozone	Maintenance	100	-	0.08	0.11	-0.10

Table B1-23
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Acetaldehyde 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.01
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.02	0.02	-0.02
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.04	0.05	-0.05
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.04	0.05	-0.05
Stockton, CA	CO	Maintenance	100	-	0.23	0.33	-0.29
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.22	0.31	-0.26
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.05	0.07	-0.06
Tioga County, PA	Ozone	Maintenance	100	-	0.02	0.03	-0.03
Toledo, OH	Ozone	Maintenance	100	-	0.23	0.33	-0.28
Toms River, NJ	CO	Maintenance	100	-	0.05	0.07	-0.06
Tooele County, UT	SO _x	Nonattainment	100	-	0.05	0.07	-0.06
Trenton, NJ	CO	Maintenance	100	-	0.04	0.06	-0.05
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Tucson, AZ	CO	Maintenance	100	-	0.46	0.67	-0.57
Utah County, UT	PM ₁₀	Moderate	100	-	0.23	0.32	-0.28
Vancouver, WA	CO	Maintenance	100	-	0.15	0.22	-0.18
Ventura County, CA	Ozone	Serious	50	-	0.41	0.58	-0.52
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.05	0.07	-0.06
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.02	0.03	-0.03
Warren County, NJ	SO _x	Maintenance	100	-	0.02	0.02	-0.02
Warren County, PA	SO _x	Nonattainment	100	-	0.01	0.01	-0.01
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.09	0.13	-0.11
Washington, DC-MD-VA	CO	Maintenance	100	-	0.70	1.00	-0.86
Washington, DC-MD-VA	Ozone	Moderate	50	-	2.49	3.58	-3.06
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	2.44	3.50	-2.99
Washoe County, NV	PM ₁₀	Serious	70	-	0.11	0.15	-0.13
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.03	0.04	-0.03
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.04	0.05	-0.05
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.01	-0.01
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.06	0.08	-0.07
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.06	0.08	-0.07
Winston-Salem, NC	CO	Maintenance	100	-	0.18	0.26	-0.22
Worcester, MA	CO	Maintenance	100	-	0.10	0.15	-0.12
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.04	0.06	-0.05
Yakima, WA	CO	Maintenance	100	-	0.02	0.03	-0.02
York, PA	Ozone	Maintenance	100	-	0.20	0.29	-0.25
York, PA	PM _{2.5}	Nonattainment	100	-	0.16	0.22	-0.19
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.26	0.37	-0.32
Yuma, AZ	PM ₁₀	Moderate	100	-	0.09	0.13	-0.11

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

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

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

Source: EPA, 2008.

Table B1-24
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.87	1.22	-0.97
Albuquerque, NM	CO	Maintenance	100	-	0.39	0.55	-0.44
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.11	0.15	-0.12
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.40	0.56	-0.45
Altoona, PA	Ozone	Maintenance	100	-	0.06	0.08	-0.07
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.16	0.22	-0.18
Anchorage, AK	CO	Maintenance	100	-	0.11	0.15	-0.12
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.01	-0.01
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.01
Atlanta, GA	Ozone	Moderate	50	-	4.92	6.89	-5.49
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	4.92	6.89	-5.49
Atlantic City, NJ	CO	Maintenance	100	-	0.03	0.05	-0.04
Bakersfield, CA	CO	Maintenance	100	-	0.23	0.28	-0.65
Baltimore, MD	CO	Maintenance	100	-	0.01	0.01	-0.01
Baltimore, MD	Ozone	Moderate	50	-	2.12	2.97	-2.37
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	2.12	2.97	-2.37
Baton Rouge, LA	Ozone	Moderate	50	-	0.16	0.11	-1.41
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-4.08	-7.18	-11.85
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.10	0.14	-0.11
Benzie County, MI	Ozone	Maintenance	100	-	0.02	0.03	-0.02
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.10	0.15	-0.12
Billings, MT	CO	Maintenance	100	-	0.05	0.07	-0.05
Birmingham, AL	Ozone	Maintenance	100	-	0.64	0.89	-0.71
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.64	0.90	-0.71
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.24	0.33	-0.26
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.24	0.33	-0.26
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.01	0.02	-0.02
Boston, MA	CO	Maintenance	100	-	0.56	0.78	-0.62
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	3.45	4.84	-3.86
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.46	0.65	-0.51
Boyd County (part), KY	SO _x	Maintenance	100	-	0.01	0.01	-0.01
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.74	1.03	-0.82
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.01	0.02	-0.01
Canon City, CO	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.02
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.18	0.25	-0.20
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.18	0.25	-0.20
Case County, MI	Ozone	Maintenance	100	-	0.03	0.04	-0.03
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Charleston, WV	Ozone	Maintenance	100	-	0.16	0.22	-0.18

Table B1-24
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Acetaldehyde 2060

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.16	0.22	-0.18
Charlotte, NC	CO	Maintenance	100	-	0.55	0.77	-0.61
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	1.20	1.68	-1.34
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.35	0.49	-0.39
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.32	0.45	-0.36
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	4.94	6.93	-5.52
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	5.11	7.16	-5.71
Chico, CA	CO	Maintenance	100	-	0.10	0.14	-0.11
Chico, CA	Ozone	Former Subpart 1	50	-	0.21	0.30	-0.24
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	1.33	1.86	-1.48
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	1.29	1.80	-1.44
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.01
Clark County, NV	PM ₁₀	Serious	70	-	1.22	1.70	-1.36
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.19	0.26	-0.21
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.11	0.16	-0.13
Cleveland, OH	CO	Maintenance	100	-	0.52	0.72	-0.58
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	1.62	2.27	-1.81
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	1.48	2.08	-1.66
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.56	0.78	-0.62
Colbert County, AL	SO _x	Maintenance	100	-	0.03	0.05	-0.04
Colorado Springs, CO	CO	Maintenance	100	-	0.45	0.63	-0.51
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.01	-0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.44	0.62	-0.49
Columbus, OH	Ozone	Maintenance	100	-	1.25	1.75	-1.39
Columbus, OH	PM _{2.5}	Nonattainment	100	-	1.16	1.63	-1.30
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.52	0.72	-0.58
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.45	0.62	-0.50
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	5.36	7.51	-5.98
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.51	0.71	-0.57
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.45	0.63	-0.50
Denver Metro, CO	PM ₁₀	Maintenance	100	-	2.24	3.14	-2.50
Denver-Boulder, CO	CO	Maintenance	100	-	2.14	3.00	-2.39
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	2.71	3.79	-3.02
Detroit, MI	CO	Maintenance	100	-	0.81	1.13	-0.90
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	3.07	4.30	-3.43
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	3.01	4.22	-3.36
Door County, WI	Ozone	Former Subpart 1	50	-	0.03	0.04	-0.03
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.02	0.03	-0.02
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.02	0.03	-0.02
Duluth, MN	CO	Maintenance	100	-	0.05	0.07	-0.05
Eagle River, AK	PM ₁₀	Moderate	100	-	0.01	0.01	-0.01
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.13	0.18	-0.14
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.34	0.48	-0.38
El Paso, TX	CO	Maintenance	100	-	0.02	0.03	-0.02

Table B1-24
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Acetaldehyde 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Erie, PA	Ozone	Maintenance	100	-	0.14	0.20	-0.16
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.16	0.23	-0.18
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.16	0.22	-0.17
Evansville, IN	Ozone	Maintenance	100	-	0.16	0.23	-0.18
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.21	0.29	-0.23
Fairbanks, AK	CO	Maintenance	100	-	0.01	0.02	-0.01
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.20	0.28	-0.22
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.01
Flint, MI	Ozone	Maintenance	100	-	0.33	0.46	-0.37
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	0.14	0.19	-0.15
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.24	0.34	-0.27
Franklin County, PA	Ozone	Maintenance	100	-	0.11	0.15	-0.12
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.09	0.12	-0.10
Fredericksburg, VA	Ozone	Maintenance	100	-	0.33	0.46	-0.37
Freehold, NJ	CO	Maintenance	100	-	0.02	0.02	-0.02
Fresno, CA	CO	Maintenance	100	-	0.44	0.62	-0.49
Grand Rapids, MI	Ozone	Maintenance	100	-	0.58	0.82	-0.65
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.02	0.03	-0.03
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.03	0.04	-0.03
Great Falls, MT	CO	Maintenance	100	-	0.01	0.01	-0.01
Greater Connecticut, CT	Ozone	Moderate	50	-	1.04	1.46	-1.16
Greeley, CO	CO	Maintenance	100	-	0.09	0.13	-0.10
Green Bay, WI	SO _x	Maintenance	100	-	0.08	0.12	-0.09
Greene County, IN	Ozone	Maintenance	100	-	0.03	0.05	-0.04
Greene County, PA	Ozone	Maintenance	100	-	0.03	0.04	-0.03
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	1.05	1.48	-1.18
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.51	0.72	-0.57
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.56	0.78	-0.62
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.01	0.02	-0.02
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.08	0.11	-0.09
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.61	0.85	-0.68
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.56	0.79	-0.63
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.66	0.92	-0.73
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.01	0.01	-0.01
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.03	0.04	-0.03
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.03	0.04	-0.03
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.11	0.15	-0.12
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.18	0.26	-0.20
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-1.90	-4.66	-20.28
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00

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Acetaldehyde 2060

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.18	0.25	-0.20
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.09	0.13	-0.10
Huron County, MI	Ozone	Maintenance	100	-	0.02	0.02	-0.02
Imperial County, CA	Ozone	Moderate	50	-	0.18	0.25	-0.20
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.17	0.24	-0.19
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.02	0.03	-0.02
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	1.42	1.99	-1.58
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	1.13	1.58	-1.26
Jackson County, IN	Ozone	Maintenance	100	-	0.05	0.07	-0.06
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.10	0.14	-0.11
Jefferson County, NY	Ozone	Moderate	50	-	0.08	0.11	-0.09
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.13	0.19	-0.15
Johnstown, PA	Ozone	Maintenance	100	-	0.05	0.07	-0.05
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.05	0.08	-0.06
Juneau, AK	PM ₁₀	Moderate	100	-	0.01	0.01	-0.01
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.32	0.45	-0.36
Kalispell, MT	PM ₁₀	Moderate	100	-	0.02	0.03	-0.03
Kansas City, MO-KS	Ozone	Maintenance	100	-	1.19	1.66	-1.32
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.10	0.14	-0.12
Kent, WA	PM ₁₀	Maintenance	100	-	0.02	0.03	-0.02
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.05	0.07	-0.06
Kewaunee County, WI	Ozone	Maintenance	100	-	0.02	0.02	-0.02
King County, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.01
Klamath Falls, OR	CO	Maintenance	100	-	0.03	0.04	-0.03
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.03	0.04	-0.03
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.89	1.25	-1.00
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.67	0.94	-0.75
La Porte County, IN	SO _x	Maintenance	100	-	0.02	0.03	-0.02
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.01
Lake County, IN	SO _x	Maintenance	100	-	0.18	0.25	-0.20
Lake County, OH	SO _x	Maintenance	100	-	0.02	0.03	-0.03
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.03	0.04	-0.03
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.06	0.09	-0.07
Lake Tahoe, NV	CO	Maintenance	100	-	0.01	0.02	-0.01
Lamar, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.01
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.31	0.43	-0.34
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.31	0.43	-0.34
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.32	0.44	-0.35
LaPorte, IN	Ozone	Maintenance	100	-	0.06	0.08	-0.06
Las Vegas, NV	CO	Serious	100	-	1.22	1.70	-1.36
Las Vegas, NV	Ozone	Former Subpart 1	50	-	1.23	1.72	-1.37
Lauderdale County, AL	SO _x	Maintenance	100	-	0.05	0.07	-0.06
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.01
Lima, OH	Ozone	Maintenance	100	-	0.07	0.09	-0.07
Longmont, CO	CO	Maintenance	100	-	0.07	0.10	-0.08
Lorain County, OH	SO _x	Maintenance	100	-	0.03	0.04	-0.03
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	10.71	14.83	-13.80
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	10.71	14.83	-13.80
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	10.71	14.83	-13.80
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	10.71	14.83	-13.80
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	10.71	14.83	-13.80
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.52	0.72	-0.58
Louisville, KY-IN	Ozone	Maintenance	100	-	0.72	1.00	-0.80
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.68	0.95	-0.76
Lowell, MA	CO	Maintenance	100	-	0.08	0.12	-0.09
Lucas County, OH	SO _x	Maintenance	100	-	0.17	0.24	-0.20
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.04	0.05	-0.04
Macon, GA	Ozone	Maintenance	100	-	0.12	0.17	-0.13
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.12	0.17	-0.13
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Madison, WI	SO _x	Maintenance	100	-	0.19	0.27	-0.21
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.01	0.01	-0.01
Manchester, NH	CO	Maintenance	100	-	0.04	0.06	-0.05
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.06	0.09	-0.07
Marion County, IN	SO _x	Maintenance	100	-	0.19	0.26	-0.21
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.10	0.14	-0.11
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.21	0.30	-0.24
Mason County, MI	Ozone	Maintenance	100	-	0.02	0.03	-0.02
Medford, OR	CO	Maintenance	100	-	0.06	0.09	-0.07
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.15	0.21	-0.17
Memphis, TN-AR	Ozone	Maintenance	100	-	0.60	0.84	-0.67
Memphis, TN	CO	Maintenance	100	-	0.56	0.78	-0.62
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.02	0.03	-0.03
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.32	0.45	-0.36
Milwaukee-Racine, WI	Ozone	Moderate	50	-	1.21	1.69	-1.35
Minneapolis-St Paul, MN	CO	Maintenance	100	-	1.74	2.34	-3.06
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	1.97	2.76	-2.20
Missoula, MT	CO	Maintenance	100	-	0.04	0.06	-0.05
Missoula, MT	PM ₁₀	Moderate	100	-	0.04	0.06	-0.05
Modesto, CA	CO	Maintenance	100	-	0.26	0.36	-0.29
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.09	0.12	-0.10
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Morristown, NJ	CO	Maintenance	100	-	0.03	0.04	-0.03
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.02	0.02	-0.02
Muncie, IN	Ozone	Maintenance	100	-	0.06	0.09	-0.07
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.01	-0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.01	0.01	-0.01
Muskegon, MI	Ozone	Maintenance	100	-	0.09	0.12	-0.10
Nashua, NH	CO	Maintenance	100	-	0.03	0.05	-0.04

Table B1-24
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Nashville, TN	Ozone	Former Subpart 1	50	-	1.18	1.65	-1.32
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.13	0.19	-0.15
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.11	0.15	-0.12
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.49	0.68	-0.55
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.01	-0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.26	0.37	-0.29
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	5.01	7.02	-5.60
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	9.82	13.75	-10.96
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	9.73	13.63	-10.86
Nogales, AZ	PM ₁₀	Moderate	100	-	0.03	0.04	-0.03
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	1.03	1.44	-1.14
Ogden, UT	CO	Maintenance	100	-	0.04	0.06	-0.05
Ogden, UT	PM ₁₀	Moderate	100	-	0.04	0.06	-0.05
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.01	0.02	-0.01
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.08	0.12	-0.09
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.01	-0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.09	0.12	-0.10
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.09	0.13	-0.10
Payson, AZ	PM ₁₀	Maintenance	100	-	0.01	0.02	-0.02
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.06	0.08	-0.07
Perth Amboy, NJ	CO	Maintenance	100	-	0.07	0.09	-0.07
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.22	0.31	-0.24
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	2.85	3.99	-3.18
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	4.24	5.93	-4.73
Phoenix, AZ	CO	Maintenance	100	-	4.34	6.08	-4.85
Phoenix, AZ	PM ₁₀	Serious	70	-	4.45	6.24	-4.97
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	4.46	6.25	-4.98
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.01
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.02	0.03	-0.02
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	1.24	1.73	-1.38
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	1.13	1.58	-1.26
Polk County, TN	SO _x	Maintenance	100	-	0.01	0.02	-0.01
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Portland, ME	Ozone	Maintenance	100	-	0.37	0.52	-0.42
Portland, OR	CO	Maintenance	100	-	0.75	1.04	-0.87
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.03	0.04	-0.03
Poughkeepsie, NY	Ozone	Moderate	50	-	1.06	1.49	-1.19
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.01
Providence (entire State), RI	Ozone	Moderate	50	-	0.68	0.96	-0.76
Provo, UT	CO	Maintenance	100	-	0.13	0.18	-0.14
Raleigh-Durham, NC	CO	Maintenance	100	-	0.98	1.38	-1.10

Table B1-24
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	1.33	1.87	-1.49
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Reading, PA	Ozone	Maintenance	100	-	0.22	0.30	-0.24
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.22	0.30	-0.24
Reno, NV	CO	Maintenance	100	-	0.16	0.23	-0.18
Rhinelander (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.81	1.13	-0.90
Rillito, AZ	PM ₁₀	Moderate	100	-	0.04	0.06	-0.05
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.56	0.78	-0.62
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.16	0.23	-0.18
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.06	0.08	-0.06
Rochester, NY	Ozone	Former Subpart 1	50	-	0.87	1.22	-0.97
Rocky Mount, NC	Ozone	Maintenance	100	-	0.11	0.16	-0.13
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.08	0.11	-0.09
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	1.25	1.75	-1.40
Sacramento Metro, CA	Ozone	Severe	25	-	2.32	3.26	-2.59
Sacramento, CA	CO	Maintenance	100	-	1.41	1.97	-1.57
Salem, OR	CO	Maintenance	100	-	0.08	0.12	-0.09
Salt Lake City, UT	CO	Maintenance	100	-	-0.16	-0.33	-1.00
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.41	0.47	-1.63
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.72	1.01	-0.80
San Antonio, TX	Ozone	Former Subpart 1	50	-	1.33	1.87	-1.49
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.31	0.44	-0.35
San Diego, CA	CO	Maintenance	100	-	3.35	4.70	-3.74
San Diego, CA	Ozone	Former Subpart 1	50	-	3.36	4.71	-3.75
San Francisco Bay Area, CA	Ozone	Marginal	50	-	4.82	6.75	-5.38
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	5.40	7.57	-6.03
San Joaquin Valley, CA	Ozone	Extreme	10	-	3.64	5.07	-4.46
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	3.65	5.08	-4.47
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	3.64	5.07	-4.46
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.03	0.04	-0.03
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.44	0.61	-0.49
Seattle-Tacoma, WA	CO	Maintenance	100	-	2.17	3.04	-2.42
Sheboygan, WI	Ozone	Moderate	50	-	0.08	0.12	-0.09
Sheridan, WY	PM ₁₀	Moderate	100	-	0.01	0.02	-0.02
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.01	0.02	-0.01
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.30	0.41	-0.33
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.08	0.11	-0.09
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.21	0.30	-0.24
Spokane, WA	CO	Maintenance	100	-	0.21	0.30	-0.24
Springfield (western MA), MA	Ozone	Moderate	50	-	0.58	0.82	-0.65
Springfield, MA	CO	Maintenance	100	-	0.10	0.14	-0.11
St Louis, MO	CO	Maintenance	100	-	0.48	0.68	-0.54
St Louis, MO-IL	Ozone	Moderate	50	-	1.81	2.54	-2.02

Table B1-24
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	1.80	2.52	-2.01
State College, PA	Ozone	Maintenance	100	-	0.12	0.17	-0.14
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.02
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.02	0.03	-0.03
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.05	0.07	-0.06
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.05	0.07	-0.06
Stockton, CA	CO	Maintenance	100	-	0.40	0.56	-0.44
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.32	0.44	-0.35
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.07	0.10	-0.08
Tioga County, PA	Ozone	Maintenance	100	-	0.03	0.05	-0.04
Toledo, OH	Ozone	Maintenance	100	-	0.34	0.47	-0.37
Toms River, NJ	CO	Maintenance	100	-	0.08	0.11	-0.09
Tooele County, UT	SO _x	Nonattainment	100	-	0.07	0.10	-0.08
Trenton, NJ	CO	Maintenance	100	-	0.06	0.08	-0.07
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Tucson, AZ	CO	Maintenance	100	-	0.74	1.04	-0.83
Utah County, UT	PM ₁₀	Moderate	100	-	0.36	0.51	-0.40
Vancouver, WA	CO	Maintenance	100	-	0.25	0.35	-0.28
Ventura County, CA	Ozone	Serious	50	-	0.68	0.95	-0.79
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.07	0.10	-0.08
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.04	0.05	-0.04
Warren County, NJ	SO _x	Maintenance	100	-	0.02	0.03	-0.03
Warren County, PA	SO _x	Nonattainment	100	-	0.01	0.01	-0.01
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.14	0.19	-0.15
Washington, DC-MD-VA	CO	Maintenance	100	-	1.11	1.55	-1.24
Washington, DC-MD-VA	Ozone	Moderate	50	-	3.96	5.55	-4.43
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	3.87	5.43	-4.32
Washoe County, NV	PM ₁₀	Serious	70	-	0.16	0.23	-0.18
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.04	0.05	-0.04
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.08	0.11	-0.09
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.00
Weirton, WV	SO _x	Maintenance	100	-	0.01	0.01	-0.01
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.08	0.11	-0.09
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.08	0.11	-0.09
Winston-Salem, NC	CO	Maintenance	100	-	0.28	0.39	-0.31
Worcester, MA	CO	Maintenance	100	-	0.17	0.23	-0.18
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.06	0.09	-0.07
Yakima, WA	CO	Maintenance	100	-	0.03	0.04	-0.04

Table B1-24
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
York, PA	Ozone	Maintenance	100	-	0.31	0.44	-0.35
York, PA	PM _{2.5}	Nonattainment	100	-	0.24	0.34	-0.27
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.36	0.51	-0.40
Yuma, AZ	PM ₁₀	Moderate	100	-	0.14	0.20	-0.16

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

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

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

Source: EPA, 2008.

Table B1-25
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Acrolein 2021

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.00	0.01	0.04
Albuquerque, NM	CO	Maintenance	100	-	0.00	0.00	0.02
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Anchorage, AK	CO	Maintenance	100	-	0.00	0.00	0.00
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	0.02	0.04	0.20
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.02	0.04	0.20
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Bakersfield, CA	CO	Maintenance	100	-	-0.00	0.00	0.01
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.00
Baltimore, MD	Ozone	Moderate	50	-	0.01	0.02	0.09
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.09
Baton Rouge, LA	Ozone	Moderate	50	-	-0.00	-0.00	0.01
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.06	-0.08	-0.16
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.00	0.00
Billings, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Birmingham, AL	Ozone	Maintenance	100	-	0.00	0.01	0.03
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.03
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.00	0.00	0.01
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Boston, MA	CO	Maintenance	100	-	0.00	0.01	0.03
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.02	0.03	0.16
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.00	0.00	0.02
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.00	0.01	0.04
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.00	0.00	0.01
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.00	0.00	0.01
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Charlotte, NC	CO	Maintenance	100	-	0.00	0.00	0.02
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.00	0.01	0.05

Table B1-25
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Acrolein 2021

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.02
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.02
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.02	0.04	0.21
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.02	0.04	0.22
Chico, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Chico, CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.01	0.01	0.06
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.06
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.00	0.01	0.04
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.00	0.00	0.01
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Cleveland, OH	CO	Maintenance	100	-	0.00	0.01	0.03
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.01	0.02	0.08
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.07
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.02
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Colorado Springs, CO	CO	Maintenance	100	-	0.00	0.00	0.02
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.00	0.00	0.02
Columbus, OH	Ozone	Maintenance	100	-	0.01	0.01	0.05
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.05
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.00	0.01	0.03
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.02
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.02	0.04	0.21
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.00	0.01	0.03
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.02
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.01	0.02	0.09
Denver-Boulder, CO	CO	Maintenance	100	-	0.01	0.02	0.09
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.01	0.02	0.11
Detroit, MI	CO	Maintenance	100	-	0.00	0.01	0.05
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.01	0.03	0.14
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.14
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Duluth, MN	CO	Maintenance	100	-	0.00	0.00	0.00
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.00
Erie, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00

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Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Eugene-Springfield, OR	CO	Maintenance	100	-	0.00	0.00	0.01
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Evansville, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	0.00	0.00	0.02
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.00	0.00	0.01
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Franklin County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Fredericksburg, VA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Fresno, CA	CO	Maintenance	100	-	0.00	0.00	0.02
Grand Rapids, MI	Ozone	Maintenance	100	-	0.00	0.00	0.02
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	0.01	0.01	0.05
Greeley, CO	CO	Maintenance	100	-	0.00	0.00	0.00
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.00	0.01	0.05
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.02
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.00	0.01	0.03
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.00	0.00
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.00	0.01	0.03
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.02
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.00	0.01	0.03
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.06	-0.08	-0.06
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.00	0.00	0.01
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Imperial County, CA	Ozone	Moderate	50	-	0.00	0.00	0.01
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.01
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.01	0.01	0.06
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.05
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.00	0.00
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.00	0.00	0.02
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.01	0.01	0.05
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.00	0.00
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.00
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.00	0.01	0.04
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.03
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.00
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Las Vegas, NV	CO	Serious	100	-	0.00	0.01	0.04
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.00	0.01	0.04
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Lima, OH	Ozone	Maintenance	100	-	0.00	0.00	0.00

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Longmont, CO	CO	Maintenance	100	-	0.00	0.00	0.00
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.04	0.08	0.44
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	0.04	0.08	0.44
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.04	0.08	0.44
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.04	0.08	0.44
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.04	0.08	0.44
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.00	0.00	0.02
Louisville, KY-IN	Ozone	Maintenance	100	-	0.00	0.01	0.03
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.03
Lowell, MA	CO	Maintenance	100	-	0.00	0.00	0.00
Lucas County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Macon, GA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.00	0.00	0.01
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Manchester, NH	CO	Maintenance	100	-	0.00	0.00	0.00
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Marion County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Medford, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Memphis, TN-AR	Ozone	Maintenance	100	-	0.00	0.01	0.03
Memphis, TN	CO	Maintenance	100	-	0.00	0.01	0.03
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.00	0.00	0.02
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.01	0.01	0.05
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.00	0.01	0.08
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.01	0.02	0.08
Missoula, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Modesto, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	0.00
Nashville, TN	Ozone	Former Subpart 1	50	-	0.00	0.01	0.05

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.00	0.00	0.02
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.02	0.05	0.24
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.05	0.09	0.45
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.05	0.09	0.45
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.00	0.01	0.05
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	0.00
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Philadelaphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.14
Phildelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.02	0.04	0.20
Phoenix, AZ	CO	Maintenance	100	-	0.01	0.03	0.13
Phoenix, AZ	PM ₁₀	Serious	70	-	0.01	0.03	0.14
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.01	0.03	0.14
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.00
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.06
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.06
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.00	0.00	0.02
Portland, OR	CO	Maintenance	100	-	0.00	0.01	0.04
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Poughkeepsie, NY	Ozone	Moderate	50	-	0.00	0.01	0.04
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.00	0.01	0.03
Provo, UT	CO	Maintenance	100	-	0.00	0.00	0.00
Raleigh-Durham, NC	CO	Maintenance	100	-	0.00	0.01	0.04
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.01	0.01	0.05
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Reading, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Reno, NV	CO	Maintenance	100	-	0.00	0.00	0.01
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.00	0.01	0.04
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.00	0.00	0.02
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Rochester, NY	Ozone	Former Subpart 1	50	-	0.00	0.01	0.04
Rocky Mount, NC	Ozone	Maintenance	100	-	0.00	0.00	0.01
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.00	0.01	0.04
Sacramento Metro, CA	Ozone	Severe	25	-	0.01	0.02	0.08
Sacramento, CA	CO	Maintenance	100	-	0.00	0.01	0.05
Salem, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Salt Lake City, UT	CO	Maintenance	100	-	-0.00	-0.00	-0.01
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-0.00	0.00	0.02
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.00	0.01	0.03
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.01	0.01	0.06
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
San Diego, CA	CO	Maintenance	100	-	0.01	0.02	0.12
San Diego, CA	Ozone	Former Subpart 1	50	-	0.01	0.02	0.12
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.02	0.04	0.19
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.02	0.04	0.22
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.01	0.02	0.13
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.01	0.02	0.13
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.13
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.01	0.02	0.09
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.00	0.00
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Spokane, WA	CO	Maintenance	100	-	0.00	0.00	0.01
Springfield (western MA), MA	Ozone	Moderate	50	-	0.00	0.01	0.03
Springfield, MA	CO	Maintenance	100	-	0.00	0.00	0.00
St Louis, MO	CO	Maintenance	100	-	0.00	0.01	0.03
St Louis, MO-IL	Ozone	Moderate	50	-	0.01	0.02	0.09
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.09
State College, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01

Table B1-25
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Acrolein 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.00	0.00
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Stockton, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.00	0.00	0.02
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Toledo, OH	Ozone	Maintenance	100	-	0.00	0.00	0.02
Toms River, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Trenton, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.00	0.01	0.03
Utah County, UT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Vancouver, WA	CO	Maintenance	100	-	0.00	0.00	0.01
Ventura County, CA	Ozone	Serious	50	-	0.00	0.00	0.02
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	0.00
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Washington, DC-MD-VA	CO	Maintenance	100	-	0.00	0.01	0.05
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.02	0.03	0.16
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.16
Washoe County, NV	PM ₁₀	Serious	70	-	0.00	0.00	0.01
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Winston-Salem, NC	CO	Maintenance	100	-	0.00	0.00	0.01
Worcester, MA	CO	Maintenance	100	-	0.00	0.00	0.01
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	0.00
York, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
York, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01

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

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

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

Source: EPA, 2008.

**Table B1-26
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Acrolein 2025**

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.01	0.03	0.09
Albuquerque, NM	CO	Maintenance	100	-	0.01	0.01	0.04
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.01	0.01	0.04
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Anchorage, AK	CO	Maintenance	100	-	0.00	0.00	0.01
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	0.06	0.16	0.49
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.06	0.16	0.49
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Bakersfield, CA	CO	Maintenance	100	-	0.00	0.01	0.02
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.00
Baltimore, MD	Ozone	Moderate	50	-	0.03	0.07	0.22
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.03	0.07	0.22
Baton Rouge, LA	Ozone	Moderate	50	-	-0.00	0.00	0.02
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.15	-0.22	-0.36
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.00	0.01
Billings, MT	CO	Maintenance	100	-	0.00	0.00	0.01
Birmingham, AL	Ozone	Maintenance	100	-	0.01	0.02	0.07
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.07
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.00	0.01	0.02
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Boston, MA	CO	Maintenance	100	-	0.01	0.02	0.06
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.05	0.12	0.37
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.01	0.02	0.05
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.01	0.03	0.08
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.00	0.01	0.02
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.02
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.00	0.01	0.02

Table B1-26
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Acrolein 2025

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.02
Charlotte, NC	CO	Maintenance	100	-	0.01	0.02	0.05
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.01	0.04	0.12
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.04
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.04
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.06	0.17	0.51
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.07	0.18	0.53
Chico, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Chico, CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.02
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.02	0.05	0.14
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.02	0.05	0.14
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.01	0.04	0.11
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.00	0.01	0.02
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Cleveland, OH	CO	Maintenance	100	-	0.01	0.02	0.07
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.02	0.06	0.19
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.02	0.06	0.17
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.01	0.02	0.05
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Colorado Springs, CO	CO	Maintenance	100	-	0.01	0.01	0.04
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.01	0.02	0.05
Columbus, OH	Ozone	Maintenance	100	-	0.02	0.04	0.12
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.04	0.11
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.01	0.02	0.07
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.01	0.02	0.06
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.06	0.17	0.51
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.01	0.02	0.06
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.05
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.03	0.07	0.22
Denver-Boulder, CO	CO	Maintenance	100	-	0.03	0.07	0.21
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.03	0.09	0.26
Detroit, MI	CO	Maintenance	100	-	0.01	0.04	0.12
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.04	0.11	0.34
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.04	0.11	0.33
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Duluth, MN	CO	Maintenance	100	-	0.00	0.00	0.01
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.00	0.01	0.04
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.00

Table B1-26
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Acrolein 2025

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Erie, PA	Ozone	Maintenance	100	-	0.00	0.01	0.02
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.00	0.01	0.02
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Evansville, IN	Ozone	Maintenance	100	-	0.00	0.01	0.02
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.02
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.00	0.01	0.02
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	0.00	0.01	0.04
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.00	0.00	0.01
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.00	0.01	0.03
Franklin County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Fredericksburg, VA	Ozone	Maintenance	100	-	0.00	0.01	0.03
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Fresno, CA	CO	Maintenance	100	-	0.01	0.01	0.04
Grand Rapids, MI	Ozone	Maintenance	100	-	0.01	0.02	0.06
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	0.01	0.04	0.12
Greeley, CO	CO	Maintenance	100	-	0.00	0.00	0.01
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.00	0.01
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.01	0.04	0.12
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.06
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.01	0.02	0.07
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.00	0.01
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.01	0.02	0.06
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.06
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.01	0.03	0.08
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.00	0.01	0.02
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.15	-0.18	-0.12
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00

Table B1-26
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Acrolein 2025

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.02
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.00	0.00	0.01
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Imperial County, CA	Ozone	Moderate	50	-	0.00	0.01	0.02
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.00	0.01	0.02
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.02	0.05	0.15
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.01	0.04	0.12
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.00	0.01
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.00	0.01	0.02
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.00	0.01	0.04
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.02	0.04	0.12
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.00	0.01
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.00
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.01	0.03	0.09
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.07
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.00
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.02
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.00	0.01	0.03
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.03
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.00	0.01	0.03
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Las Vegas, NV	CO	Serious	100	-	0.01	0.04	0.11
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.01	0.04	0.11
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00

Table B1-26
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Acrolein 2025

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Lima, OH	Ozone	Maintenance	100	-	0.00	0.00	0.01
Longmont, CO	CO	Maintenance	100	-	0.00	0.00	0.01
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.12	0.34	1.06
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	0.12	0.34	1.06
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.12	0.34	1.06
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.12	0.34	1.06
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.12	0.34	1.06
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.01	0.02	0.05
Louisville, KY-IN	Ozone	Maintenance	100	-	0.01	0.03	0.08
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.08
Lowell, MA	CO	Maintenance	100	-	0.00	0.00	0.01
Lucas County, OH	SO _x	Maintenance	100	-	0.00	0.01	0.02
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Macon, GA	Ozone	Maintenance	100	-	0.00	0.01	0.02
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.02
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.00	0.01	0.02
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Manchester, NH	CO	Maintenance	100	-	0.00	0.00	0.01
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Marion County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.02
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.02
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Medford, OR	CO	Maintenance	100	-	0.00	0.00	0.01
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Memphis, TN-AR	Ozone	Maintenance	100	-	0.01	0.02	0.07
Memphis, TN	CO	Maintenance	100	-	0.01	0.02	0.07
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.00	0.01	0.04
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.02	0.04	0.13
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.02	0.05	0.18
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.03	0.07	0.20
Missoula, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Modesto, CA	CO	Maintenance	100	-	0.00	0.01	0.02
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	0.00

Table B1-26
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Acrolein 2025

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Nashville, TN	Ozone	Former Subpart 1	50	-	0.01	0.04	0.12
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.01	0.02	0.06
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.00	0.01	0.03
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.07	0.19	0.57
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.13	0.36	1.08
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.13	0.36	1.07
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.01	0.04	0.11
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	0.01
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	0.01
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.00	0.01	0.03
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.04	0.11	0.32
Philidelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.06	0.16	0.47
Phoenix, AZ	CO	Maintenance	100	-	0.04	0.11	0.34
Phoenix, AZ	PM ₁₀	Serious	70	-	0.04	0.12	0.35
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.04	0.12	0.35
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.00
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.02	0.05	0.15
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.04	0.13
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.01	0.01	0.04
Portland, OR	CO	Maintenance	100	-	0.01	0.03	0.08
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Poughkeepsie, NY	Ozone	Moderate	50	-	0.01	0.03	0.10
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.01	0.02	0.07
Provo, UT	CO	Maintenance	100	-	0.00	0.00	0.01
Raleigh-Durham, NC	CO	Maintenance	100	-	0.01	0.03	0.09

Table B1-26
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.02	0.04	0.13
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.00	0.01	0.02
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.02
Reno, NV	CO	Maintenance	100	-	0.00	0.01	0.02
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.01	0.03	0.09
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.01	0.02	0.05
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.02
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Rochester, NY	Ozone	Former Subpart 1	50	-	0.01	0.03	0.10
Rocky Mount, NC	Ozone	Maintenance	100	-	0.00	0.00	0.01
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.01	0.04	0.11
Sacramento Metro, CA	Ozone	Severe	25	-	0.02	0.07	0.20
Sacramento, CA	CO	Maintenance	100	-	0.02	0.04	0.12
Salem, OR	CO	Maintenance	100	-	0.00	0.00	0.01
Salt Lake City, UT	CO	Maintenance	100	-	-0.01	-0.01	-0.01
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-0.00	0.01	0.05
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.01	0.02	0.07
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.02	0.04	0.13
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.00	0.01	0.03
San Diego, CA	CO	Maintenance	100	-	0.04	0.10	0.30
San Diego, CA	Ozone	Former Subpart 1	50	-	0.04	0.10	0.30
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.06	0.15	0.46
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.07	0.18	0.53
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.04	0.10	0.32
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.04	0.11	0.32
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.04	0.10	0.32
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.01	0.02	0.05
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.03	0.07	0.22
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.00	0.01
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.00	0.01	0.03
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Spokane, WA	CO	Maintenance	100	-	0.00	0.01	0.02
Springfield (western MA), MA	Ozone	Moderate	50	-	0.01	0.02	0.06
Springfield, MA	CO	Maintenance	100	-	0.00	0.00	0.01
St Louis, MO	CO	Maintenance	100	-	0.01	0.02	0.07
St Louis, MO-IL	Ozone	Moderate	50	-	0.03	0.07	0.21

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Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.03	0.07	0.21
State College, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.00	0.01
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Stockton, CA	CO	Maintenance	100	-	0.00	0.01	0.03
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.00	0.01	0.04
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Toledo, OH	Ozone	Maintenance	100	-	0.00	0.01	0.04
Toms River, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.00	0.01
Trenton, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.01	0.02	0.07
Utah County, UT	PM ₁₀	Moderate	100	-	0.00	0.01	0.04
Vancouver, WA	CO	Maintenance	100	-	0.00	0.01	0.02
Ventura County, CA	Ozone	Serious	50	-	0.01	0.02	0.06
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	0.00
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.00	0.01	0.02
Washington, DC-MD-VA	CO	Maintenance	100	-	0.01	0.04	0.11
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.05	0.13	0.39
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.05	0.13	0.38
Washoe County, NV	PM ₁₀	Serious	70	-	0.00	0.01	0.02
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	0.01
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Winston-Salem, NC	CO	Maintenance	100	-	0.00	0.01	0.03
Worcester, MA	CO	Maintenance	100	-	0.00	0.01	0.02
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	0.00

Table B1-26
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Acrolein 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
York, PA	Ozone	Maintenance	100	-	0.00	0.01	0.03
York, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.03
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.01	0.02	0.05
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01

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

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

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

Source: EPA, 2008.

Table B1-27
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Acrolein 2040

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.05	0.17	0.24
Albuquerque, NM	CO	Maintenance	100	-	0.02	0.08	0.11
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.01	0.02	0.03
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.02	0.08	0.11
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.01	0.02
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.03	0.04
Anchorage, AK	CO	Maintenance	100	-	0.01	0.02	0.03
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	0.27	0.93	1.29
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.27	0.94	1.29
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.01	0.01
Bakersfield, CA	CO	Maintenance	100	-	0.01	0.05	0.06
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.00
Baltimore, MD	Ozone	Moderate	50	-	0.12	0.41	0.56
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.12	0.41	0.56
Baton Rouge, LA	Ozone	Moderate	50	-	-0.00	0.05	0.05
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.37	-0.61	-0.94
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.01	0.02	0.03
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.01	0.02	0.03
Billings, MT	CO	Maintenance	100	-	0.00	0.01	0.01
Birmingham, AL	Ozone	Maintenance	100	-	0.04	0.13	0.18
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.04	0.13	0.18
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.01	0.05	0.06
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.01	0.05	0.06
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Boston, MA	CO	Maintenance	100	-	0.03	0.11	0.15
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.20	0.68	0.94
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.03	0.09	0.12
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.04	0.15	0.21
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.01	0.04	0.05
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.04	0.05
Case County, MI	Ozone	Maintenance	100	-	0.00	0.01	0.01
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.01	0.03	0.05
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.05
Charlotte, NC	CO	Maintenance	100	-	0.03	0.10	0.14
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.07	0.23	0.31

Table B1-27
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Acrolein 2040

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.02	0.07	0.10
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.02	0.06	0.09
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.28	0.96	1.32
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.29	0.99	1.37
Chico, CA	CO	Maintenance	100	-	0.00	0.02	0.02
Chico, CA	Ozone	Former Subpart 1	50	-	0.01	0.04	0.05
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.08	0.26	0.36
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.07	0.25	0.35
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.06	0.22	0.31
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.01	0.04	0.05
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.01	0.02	0.03
Cleveland, OH	CO	Maintenance	100	-	0.03	0.11	0.16
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.10	0.33	0.46
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.09	0.30	0.42
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.03	0.10	0.14
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.01	0.01
Colorado Springs, CO	CO	Maintenance	100	-	0.02	0.08	0.12
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.03	0.09	0.12
Columbus, OH	Ozone	Maintenance	100	-	0.07	0.24	0.33
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.06	0.22	0.30
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.03	0.11	0.16
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.03	0.09	0.13
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.29	1.00	1.38
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.03	0.11	0.15
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.03	0.09	0.13
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.12	0.42	0.58
Denver-Boulder, CO	CO	Maintenance	100	-	0.12	0.40	0.56
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.15	0.51	0.70
Detroit, MI	CO	Maintenance	100	-	0.06	0.19	0.26
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.18	0.61	0.84
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.17	0.60	0.83
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.01	0.01
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Duluth, MN	CO	Maintenance	100	-	0.00	0.01	0.01
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.01	0.03	0.04
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.02	0.07	0.09
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.01
Erie, PA	Ozone	Maintenance	100	-	0.01	0.03	0.04
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00

Table B1-27
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Acrolein 2040

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Eugene-Springfield, OR	CO	Maintenance	100	-	0.01	0.03	0.04
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.01	0.03	0.04
Evansville, IN	Ozone	Maintenance	100	-	0.01	0.03	0.05
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.01	0.04	0.06
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.01	0.04	0.05
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	0.02	0.07	0.09
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.01	0.03	0.04
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.01	0.05	0.07
Franklin County, PA	Ozone	Maintenance	100	-	0.01	0.02	0.03
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.01	0.02	0.02
Fredericksburg, VA	Ozone	Maintenance	100	-	0.02	0.06	0.08
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Fresno, CA	CO	Maintenance	100	-	0.02	0.08	0.12
Grand Rapids, MI	Ozone	Maintenance	100	-	0.03	0.11	0.15
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	0.06	0.21	0.29
Greeley, CO	CO	Maintenance	100	-	0.00	0.02	0.02
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.02	0.02
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.01	0.01
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.01	0.01
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.06	0.21	0.29
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.03	0.10	0.14
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.03	0.11	0.16
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.02	0.02
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.03	0.12	0.16
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.11	0.15
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.04	0.14	0.19
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.01	0.01
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.03
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.01	0.04	0.05
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.30	-0.12	-0.32
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.04	0.05
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.01	0.02	0.03
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00

Table B1-27
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Acrolein 2040

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Imperial County, CA	Ozone	Moderate	50	-	0.01	0.03	0.04
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.01	0.03	0.04
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.08	0.27	0.38
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.06	0.22	0.30
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.01	0.01
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.01	0.02	0.03
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.02	0.02
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.01	0.03	0.04
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.01	0.02
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.02
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.02	0.07	0.09
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.07	0.23	0.31
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.01	0.02	0.03
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.01
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.00
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.01	0.01
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.01
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.05	0.17	0.23
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.04	0.13	0.18
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.01
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake County, IN	SO _x	Maintenance	100	-	0.01	0.04	0.05
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.01	0.01
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.02	0.06	0.08
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.06	0.08
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.02	0.06	0.09
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.01	0.02
Las Vegas, NV	CO	Serious	100	-	0.06	0.22	0.31
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.06	0.22	0.31
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.01	0.02
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Lima, OH	Ozone	Maintenance	100	-	0.00	0.01	0.02

Table B1-27
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Acrolein 2040

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Longmont, CO	CO	Maintenance	100	-	0.00	0.01	0.02
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.01	0.01
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.57	2.06	2.82
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	0.57	2.06	2.82
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.57	2.06	2.82
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.57	2.06	2.82
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.57	2.06	2.82
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.03	0.10	0.13
Louisville, KY-IN	Ozone	Maintenance	100	-	0.04	0.15	0.20
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.04	0.14	0.19
Lowell, MA	CO	Maintenance	100	-	0.00	0.02	0.02
Lucas County, OH	SO _x	Maintenance	100	-	0.01	0.04	0.05
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	0.01
Macon, GA	Ozone	Maintenance	100	-	0.01	0.03	0.04
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.03
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.01	0.04	0.05
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Manchester, NH	CO	Maintenance	100	-	0.00	0.01	0.01
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.01	0.02
Marion County, IN	SO _x	Maintenance	100	-	0.01	0.04	0.05
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.02	0.02
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.01	0.04	0.06
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Medford, OR	CO	Maintenance	100	-	0.00	0.01	0.02
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.01	0.03	0.04
Memphis, TN-AR	Ozone	Maintenance	100	-	0.04	0.13	0.17
Memphis, TN	CO	Maintenance	100	-	0.03	0.12	0.16
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.02	0.07	0.09
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.07	0.24	0.33
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.09	0.35	0.47
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.11	0.38	0.53
Missoula, MT	CO	Maintenance	100	-	0.00	0.01	0.01
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
Modesto, CA	CO	Maintenance	100	-	0.01	0.05	0.06
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.02	0.02
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.01	0.02
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.02	0.02
Nashua, NH	CO	Maintenance	100	-	0.00	0.01	0.01
Nashville, TN	Ozone	Former Subpart 1	50	-	0.07	0.23	0.31

Table B1-27
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Acrolein 2040

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.01	0.02	0.03
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.01	0.02	0.03
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.03	0.10	0.14
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.02	0.06	0.08
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.29	1.01	1.40
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.57	1.96	2.70
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.56	1.94	2.67
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.06	0.21	0.28
Ogden, UT	CO	Maintenance	100	-	0.00	0.01	0.01
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.02	0.02
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.01	0.02	0.03
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.03
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.01	0.02
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.01	0.02
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.01	0.05	0.07
Philadelaphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.17	0.58	0.79
Philidelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.25	0.85	1.17
Phoenix, AZ	CO	Maintenance	100	-	0.22	0.75	1.03
Phoenix, AZ	PM ₁₀	Serious	70	-	0.22	0.77	1.06
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.22	0.77	1.07
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.00
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.07	0.25	0.35
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.07	0.23	0.32
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.02	0.07	0.10
Portland, OR	CO	Maintenance	100	-	0.04	0.15	0.21
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.01	0.01
Poughkeepsie, NY	Ozone	Moderate	50	-	0.06	0.20	0.27
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.04	0.13	0.18
Provo, UT	CO	Maintenance	100	-	0.01	0.02	0.03
Raleigh-Durham, NC	CO	Maintenance	100	-	0.05	0.18	0.25
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.07	0.25	0.35
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00

Table B1-27
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Acrolein 2040

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Reading, PA	Ozone	Maintenance	100	-	0.01	0.04	0.06
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.04	0.06
Reno, NV	CO	Maintenance	100	-	0.01	0.03	0.04
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.05	0.16	0.22
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.03	0.10	0.14
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.01	0.03	0.05
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.01	0.02
Rochester, NY	Ozone	Former Subpart 1	50	-	0.05	0.17	0.24
Rocky Mount, NC	Ozone	Maintenance	100	-	0.01	0.02	0.03
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.02	0.02
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.07	0.23	0.31
Sacramento Metro, CA	Ozone	Severe	25	-	0.12	0.41	0.57
Sacramento, CA	CO	Maintenance	100	-	0.07	0.25	0.35
Salem, OR	CO	Maintenance	100	-	0.00	0.02	0.02
Salt Lake City, UT	CO	Maintenance	100	-	-0.02	-0.02	-0.03
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.01	0.09	0.12
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.04	0.14	0.19
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.07	0.26	0.35
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.02	0.06	0.08
San Diego, CA	CO	Maintenance	100	-	0.18	0.61	0.84
San Diego, CA	Ozone	Former Subpart 1	50	-	0.18	0.61	0.84
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.26	0.91	1.25
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.29	1.02	1.41
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.19	0.66	0.91
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.19	0.66	0.91
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.19	0.66	0.91
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.03	0.09	0.12
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.12	0.41	0.57
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.02	0.02
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.02	0.06	0.08
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.01	0.02	0.03
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.01	0.04	0.06
Spokane, WA	CO	Maintenance	100	-	0.01	0.04	0.06
Springfield (western MA), MA	Ozone	Moderate	50	-	0.03	0.12	0.16
Springfield, MA	CO	Maintenance	100	-	0.01	0.02	0.03
St Louis, MO	CO	Maintenance	100	-	0.03	0.11	0.15
St Louis, MO-IL	Ozone	Moderate	50	-	0.11	0.37	0.52
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.11	0.37	0.51
State College, PA	Ozone	Maintenance	100	-	0.01	0.02	0.03

Table B1-27
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Acrolein 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.01	0.01
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.01	0.02
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.02
Stockton, CA	CO	Maintenance	100	-	0.02	0.07	0.10
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.02	0.07	0.09
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.02	0.02
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.01	0.01
Toledo, OH	Ozone	Maintenance	100	-	0.02	0.07	0.10
Toms River, NJ	CO	Maintenance	100	-	0.00	0.01	0.02
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.01	0.02
Trenton, NJ	CO	Maintenance	100	-	0.00	0.01	0.02
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.04	0.14	0.19
Utah County, UT	PM ₁₀	Moderate	100	-	0.02	0.07	0.09
Vancouver, WA	CO	Maintenance	100	-	0.01	0.05	0.06
Ventura County, CA	Ozone	Serious	50	-	0.04	0.12	0.17
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.02	0.02
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.01	0.01
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.01	0.03	0.04
Washington, DC-MD-VA	CO	Maintenance	100	-	0.06	0.21	0.29
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.22	0.75	1.04
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.21	0.74	1.01
Washoe County, NV	PM ₁₀	Serious	70	-	0.01	0.03	0.04
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.01
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.01	0.02	0.02
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.02
Winston-Salem, NC	CO	Maintenance	100	-	0.02	0.05	0.08
Worcester, MA	CO	Maintenance	100	-	0.01	0.03	0.04
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Yakima, WA	CO	Maintenance	100	-	0.00	0.01	0.01
York, PA	Ozone	Maintenance	100	-	0.02	0.06	0.08
York, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.05	0.06
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.02	0.08	0.11
Yuma, AZ	PM ₁₀	Moderate	100	-	0.01	0.03	0.04

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

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

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

Source: EPA, 2008.

Table B1-28
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Acrolein 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.07	0.24	0.33
Albuquerque, NM	CO	Maintenance	100	-	0.03	0.11	0.15
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.01	0.03	0.04
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.03	0.11	0.15
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.02	0.02
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.04	0.06
Anchorage, AK	CO	Maintenance	100	-	0.01	0.03	0.04
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	0.40	1.38	1.89
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.40	1.38	1.89
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.01	0.01
Bakersfield, CA	CO	Maintenance	100	-	0.01	0.07	0.09
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.00
Baltimore, MD	Ozone	Moderate	50	-	0.17	0.59	0.81
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.17	0.59	0.81
Baton Rouge, LA	Ozone	Moderate	50	-	0.00	0.07	0.08
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.49	-0.81	-1.26
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.01	0.03	0.04
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.01	0.01
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.01	0.03	0.04
Billings, MT	CO	Maintenance	100	-	0.00	0.01	0.02
Birmingham, AL	Ozone	Maintenance	100	-	0.05	0.18	0.24
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.05	0.18	0.25
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.02	0.07	0.09
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.02	0.07	0.09
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Boston, MA	CO	Maintenance	100	-	0.05	0.16	0.21
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.28	0.97	1.32
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.04	0.13	0.18
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.06	0.21	0.28
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.01	0.05	0.07
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.05	0.07
Case County, MI	Ozone	Maintenance	100	-	0.00	0.01	0.01
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.01	0.04	0.06

Table B1-28
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Acrolein 2060

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.01	0.04	0.06
Charlotte, NC	CO	Maintenance	100	-	0.04	0.15	0.21
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.10	0.34	0.46
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.03	0.10	0.13
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.03	0.09	0.12
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.40	1.39	1.90
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.42	1.43	1.96
Chico, CA	CO	Maintenance	100	-	0.01	0.03	0.04
Chico, CA	Ozone	Former Subpart 1	50	-	0.02	0.06	0.08
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.11	0.37	0.51
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.11	0.36	0.49
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.10	0.34	0.47
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.02	0.05	0.07
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.01	0.03	0.04
Cleveland, OH	CO	Maintenance	100	-	0.04	0.14	0.20
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.13	0.45	0.62
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.12	0.42	0.57
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.05	0.16	0.21
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.01	0.01
Colorado Springs, CO	CO	Maintenance	100	-	0.04	0.13	0.17
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.04	0.12	0.17
Columbus, OH	Ozone	Maintenance	100	-	0.10	0.35	0.48
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.10	0.33	0.45
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.04	0.14	0.20
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.04	0.12	0.17
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.44	1.50	2.06
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.04	0.14	0.19
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.04	0.13	0.17
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.18	0.63	0.86
Denver-Boulder, CO	CO	Maintenance	100	-	0.18	0.60	0.82
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.22	0.76	1.04
Detroit, MI	CO	Maintenance	100	-	0.07	0.23	0.31
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.25	0.86	1.18
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.25	0.84	1.16
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.01	0.01
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.01	0.01
Duluth, MN	CO	Maintenance	100	-	0.00	0.01	0.02
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.01	0.04	0.05
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.03	0.10	0.13
El Paso, TX	CO	Maintenance	100	-	0.00	0.01	0.01

Table B1-28
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
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Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Erie, PA	Ozone	Maintenance	100	-	0.01	0.04	0.05
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.01	0.05	0.06
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.01	0.04	0.06
Evansville, IN	Ozone	Maintenance	100	-	0.01	0.05	0.06
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.02	0.06	0.08
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.01
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.02	0.06	0.08
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	0.03	0.09	0.13
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.01	0.04	0.05
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.02	0.07	0.09
Franklin County, PA	Ozone	Maintenance	100	-	0.01	0.03	0.04
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.01	0.02	0.03
Fredericksburg, VA	Ozone	Maintenance	100	-	0.03	0.09	0.13
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Fresno, CA	CO	Maintenance	100	-	0.04	0.12	0.17
Grand Rapids, MI	Ozone	Maintenance	100	-	0.05	0.16	0.22
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	0.01
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.01
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	0.09	0.29	0.40
Greeley, CO	CO	Maintenance	100	-	0.01	0.03	0.03
Green Bay, WI	SO _x	Maintenance	100	-	0.01	0.02	0.03
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.01	0.01
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.01	0.01
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.09	0.30	0.40
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.04	0.14	0.20
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.05	0.16	0.21
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.01	0.02	0.03
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.05	0.17	0.23
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.05	0.16	0.22
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.05	0.18	0.25
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.01	0.01
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.04
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.01	0.05	0.07
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.36	-0.08	-0.32
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00

Table B1-28
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Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.05	0.07
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.01	0.03	0.03
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Imperial County, CA	Ozone	Moderate	50	-	0.01	0.05	0.07
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.01	0.05	0.07
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.01
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.12	0.40	0.54
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.09	0.32	0.43
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.01	0.02
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.01	0.03	0.04
Jefferson County, NY	Ozone	Moderate	50	-	0.01	0.02	0.03
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.01	0.04	0.05
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.01	0.02
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.02	0.02
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.03	0.09	0.12
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.10	0.33	0.46
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.01	0.03	0.04
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.01
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.02
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.01
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.01	0.01
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.01
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.07	0.25	0.34
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.06	0.19	0.26
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.01
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake County, IN	SO _x	Maintenance	100	-	0.01	0.05	0.07
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.01	0.01
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.01	0.01
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.01	0.02	0.02
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.03	0.09	0.12
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.09	0.12
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.03	0.09	0.12
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.02	0.02
Las Vegas, NV	CO	Serious	100	-	0.10	0.34	0.47
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.10	0.34	0.47
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.01	0.02
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Lima, OH	Ozone	Maintenance	100	-	0.01	0.02	0.03
Longmont, CO	CO	Maintenance	100	-	0.01	0.02	0.03
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.01	0.01
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.86	3.04	4.14
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	0.86	3.04	4.14
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.86	3.04	4.14
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.86	3.04	4.14
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.86	3.04	4.14
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.04	0.14	0.20
Louisville, KY-IN	Ozone	Maintenance	100	-	0.06	0.20	0.27
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.06	0.19	0.26
Lowell, MA	CO	Maintenance	100	-	0.01	0.02	0.03
Lucas County, OH	SO _x	Maintenance	100	-	0.01	0.05	0.07
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	0.01
Macon, GA	Ozone	Maintenance	100	-	0.01	0.03	0.05
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.05
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.02	0.05	0.07
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Manchester, NH	CO	Maintenance	100	-	0.00	0.01	0.02
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.01	0.02	0.02
Marion County, IN	SO _x	Maintenance	100	-	0.02	0.05	0.07
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.03	0.04
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.02	0.06	0.08
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.01	0.01
Medford, OR	CO	Maintenance	100	-	0.01	0.02	0.02
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.01	0.04	0.06
Memphis, TN-AR	Ozone	Maintenance	100	-	0.05	0.17	0.23
Memphis, TN	CO	Maintenance	100	-	0.05	0.16	0.21
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.01	0.01
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.03	0.09	0.12
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.10	0.34	0.46
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.13	0.51	0.69
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.16	0.55	0.76
Missoula, MT	CO	Maintenance	100	-	0.00	0.01	0.02
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Modesto, CA	CO	Maintenance	100	-	0.02	0.07	0.10
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.01	0.02	0.03
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.01	0.01
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.01
Muncie, IN	Ozone	Maintenance	100	-	0.01	0.02	0.02
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.01	0.02	0.03
Nashua, NH	CO	Maintenance	100	-	0.00	0.01	0.01

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Nashville, TN	Ozone	Former Subpart 1	50	-	0.10	0.33	0.45
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.01	0.04	0.05
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.01	0.03	0.04
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.04	0.14	0.19
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.02	0.07	0.10
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.41	1.40	1.92
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.80	2.75	3.77
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.80	2.73	3.73
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.08	0.29	0.39
Ogden, UT	CO	Maintenance	100	-	0.00	0.01	0.02
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.01	0.02	0.03
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.01	0.02	0.03
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.03
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.02	0.02
Perth Amboy, NJ	CO	Maintenance	100	-	0.01	0.02	0.03
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.02	0.06	0.08
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.23	0.80	1.09
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.35	1.19	1.62
Phoenix, AZ	CO	Maintenance	100	-	0.36	1.22	1.67
Phoenix, AZ	PM ₁₀	Serious	70	-	0.36	1.25	1.71
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.37	1.25	1.71
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.01	0.01
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.10	0.35	0.47
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.09	0.32	0.43
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.03	0.10	0.14
Portland, OR	CO	Maintenance	100	-	0.06	0.21	0.29
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.01	0.01
Poughkeepsie, NY	Ozone	Moderate	50	-	0.09	0.30	0.41
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.06	0.19	0.26
Provo, UT	CO	Maintenance	100	-	0.01	0.04	0.05
Raleigh-Durham, NC	CO	Maintenance	100	-	0.08	0.28	0.38

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.11	0.37	0.51
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.02	0.06	0.08
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.06	0.08
Reno, NV	CO	Maintenance	100	-	0.01	0.05	0.06
Rhinelander (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.07	0.23	0.31
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.05	0.16	0.21
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.01	0.05	0.06
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.02	0.02
Rochester, NY	Ozone	Former Subpart 1	50	-	0.07	0.24	0.33
Rocky Mount, NC	Ozone	Maintenance	100	-	0.01	0.03	0.04
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.03
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.10	0.35	0.48
Sacramento Metro, CA	Ozone	Severe	25	-	0.19	0.65	0.89
Sacramento, CA	CO	Maintenance	100	-	0.12	0.39	0.54
Salem, OR	CO	Maintenance	100	-	0.01	0.02	0.03
Salt Lake City, UT	CO	Maintenance	100	-	-0.02	-0.02	-0.04
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.02	0.14	0.18
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.06	0.20	0.28
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.11	0.37	0.51
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.03	0.09	0.12
San Diego, CA	CO	Maintenance	100	-	0.27	0.94	1.29
San Diego, CA	Ozone	Former Subpart 1	50	-	0.28	0.94	1.29
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.39	1.35	1.85
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.44	1.51	2.07
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.29	1.03	1.41
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.30	1.03	1.41
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.29	1.03	1.41
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.01	0.01
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.04	0.12	0.17
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.18	0.61	0.83
Sheboygan, WI	Ozone	Moderate	50	-	0.01	0.02	0.03
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.02	0.08	0.11
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.01	0.02	0.03
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.02	0.06	0.08
Spokane, WA	CO	Maintenance	100	-	0.02	0.06	0.08
Springfield (western MA), MA	Ozone	Moderate	50	-	0.05	0.16	0.22
Springfield, MA	CO	Maintenance	100	-	0.01	0.03	0.04
St Louis, MO	CO	Maintenance	100	-	0.04	0.14	0.18
St Louis, MO-IL	Ozone	Moderate	50	-	0.15	0.51	0.70

Table B1-28
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Acrolein 2060

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.15	0.50	0.69
State College, PA	Ozone	Maintenance	100	-	0.01	0.03	0.05
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.01	0.01
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.01	0.02
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.02
Stockton, CA	CO	Maintenance	100	-	0.03	0.11	0.15
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.03	0.09	0.12
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.01	0.02	0.03
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.01	0.01
Toledo, OH	Ozone	Maintenance	100	-	0.03	0.09	0.13
Toms River, NJ	CO	Maintenance	100	-	0.01	0.02	0.03
Tooele County, UT	SO _x	Nonattainment	100	-	0.01	0.02	0.03
Trenton, NJ	CO	Maintenance	100	-	0.00	0.02	0.02
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.06	0.21	0.28
Utah County, UT	PM ₁₀	Moderate	100	-	0.03	0.10	0.14
Vancouver, WA	CO	Maintenance	100	-	0.02	0.07	0.09
Ventura County, CA	Ozone	Serious	50	-	0.06	0.19	0.26
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.01	0.02	0.03
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.01	0.01
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.01	0.01
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.01	0.04	0.05
Washington, DC-MD-VA	CO	Maintenance	100	-	0.09	0.31	0.42
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.32	1.11	1.52
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.32	1.09	1.49
Washoe County, NV	PM ₁₀	Serious	70	-	0.01	0.05	0.06
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.01
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.01	0.02	0.03
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.01	0.02	0.03
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.03
Winston-Salem, NC	CO	Maintenance	100	-	0.02	0.08	0.11
Worcester, MA	CO	Maintenance	100	-	0.01	0.05	0.06
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.01	0.02	0.02
Yakima, WA	CO	Maintenance	100	-	0.00	0.01	0.01

Table B1-28
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Acrolein 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
York, PA	Ozone	Maintenance	100	-	0.03	0.09	0.12
York, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.07	0.09
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.03	0.10	0.14
Yuma, AZ	PM ₁₀	Moderate	100	-	0.01	0.04	0.06

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

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

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

Source: EPA, 2008.

Table B1-29
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Benzene 2021

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-0.07	-0.13	-0.52
Albuquerque, NM	CO	Maintenance	100	-	0.01	-0.00	-0.12
Allegan County, MI	Ozone	Former Subpart 1	50	-	-0.00	-0.01	-0.04
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.02	0.01	-0.08
Altoona, PA	Ozone	Maintenance	100	-	0.00	-0.00	-0.02
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.02
Anchorage, AK	CO	Maintenance	100	-	-0.03	-0.05	-0.13
Anthony, NM	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Atlanta, GA	Ozone	Moderate	50	-	0.14	0.04	-1.10
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.14	0.04	-1.10
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
Bakersfield, CA	CO	Maintenance	100	-	0.00	-0.01	-0.09
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	-0.00
Baltimore, MD	Ozone	Moderate	50	-	0.11	0.09	-0.33
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.11	0.09	-0.33
Baton Rouge, LA	Ozone	Moderate	50	-	-0.02	-0.05	-0.23
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.01	-0.02	-0.12
Benton County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	-0.00	-0.01	-0.06
Benzie County, MI	Ozone	Maintenance	100	-	-0.00	-0.00	-0.01
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-0.00	-0.01	-0.05
Billings, MT	CO	Maintenance	100	-	-0.00	-0.01	-0.03
Birmingham, AL	Ozone	Maintenance	100	-	0.02	0.01	-0.17
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.02	0.01	-0.17
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-0.01	-0.03	-0.12
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-0.01	-0.03	-0.12
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Boston, MA	CO	Maintenance	100	-	0.03	0.03	-0.09
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.21	0.18	-0.52
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.03	0.02	-0.07
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.03	0.02	-0.17
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Butte, MT	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.02
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.00	-0.01	-0.07
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.00	-0.01	-0.07
Case County, MI	Ozone	Maintenance	100	-	-0.00	-0.00	-0.01
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Charleston, WV	Ozone	Maintenance	100	-	0.01	0.00	-0.04
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.01	0.00	-0.04
Charlotte, NC	CO	Maintenance	100	-	0.02	0.01	-0.10
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.03	-0.00	-0.30

Table B1-29
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Benzene 2021

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-0.02	-0.04	-0.19
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-0.02	-0.03	-0.17
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.23	0.17	-0.89
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.24	0.16	-0.94
Chico, CA	CO	Maintenance	100	-	0.00	0.00	-0.02
Chico, CA	Ozone	Former Subpart 1	50	-	0.01	0.00	-0.04
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.04	0.01	-0.32
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.04	0.02	-0.31
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.05	0.03	-0.19
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-0.02	-0.03	-0.11
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-0.01	-0.01	-0.06
Cleveland, OH	CO	Maintenance	100	-	0.01	-0.00	-0.18
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.06	0.02	-0.42
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.05	0.02	-0.39
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.03	0.02	-0.06
Colbert County, AL	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Colorado Springs, CO	CO	Maintenance	100	-	-0.00	-0.02	-0.15
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	-0.02	-0.04	-0.22
Columbus, OH	Ozone	Maintenance	100	-	0.02	-0.01	-0.33
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.02	-0.01	-0.29
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.01	-0.00	-0.18
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.01	-0.00	-0.15
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.17	0.09	-1.03
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.01	-0.00	-0.16
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.00	-0.14
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.11	0.09	-0.32
Denver-Boulder, CO	CO	Maintenance	100	-	0.11	0.09	-0.31
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.11	0.07	-0.47
Detroit, MI	CO	Maintenance	100	-	0.02	-0.01	-0.32
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.06	-0.02	-0.89
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.06	-0.02	-0.86
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Duluth, MN	CO	Maintenance	100	-	-0.00	-0.01	-0.03
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.03
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	-0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.00	-0.01	-0.10
El Paso, TX	CO	Maintenance	100	-	0.00	-0.00	-0.01
Erie, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.04
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00

Table B1-29
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Benzene 2021

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Eugene-Springfield, OR	CO	Maintenance	100	-	-0.02	-0.03	-0.11
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.10
Evansville, IN	Ozone	Maintenance	100	-	0.00	-0.00	-0.06
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-0.00	-0.01	-0.09
Fairbanks, AK	CO	Maintenance	100	-	-0.01	-0.01	-0.02
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.04
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Flint, MI	Ozone	Maintenance	100	-	0.01	0.00	-0.09
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	-0.00	-0.00	-0.04
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	-0.01	-0.03	-0.13
Franklin County, PA	Ozone	Maintenance	100	-	-0.00	-0.01	-0.05
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	-0.01	-0.02	-0.06
Fredericksburg, VA	Ozone	Maintenance	100	-	0.00	-0.00	-0.08
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Fresno, CA	CO	Maintenance	100	-	0.02	0.01	-0.07
Grand Rapids, MI	Ozone	Maintenance	100	-	0.01	-0.01	-0.16
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Grant County, NM	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Grants Pass, OR	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Great Falls, MT	CO	Maintenance	100	-	-0.00	-0.00	-0.01
Greater Connecticut, CT	Ozone	Moderate	50	-	0.05	0.04	-0.22
Greeley, CO	CO	Maintenance	100	-	-0.00	-0.01	-0.04
Green Bay, WI	SO _x	Maintenance	100	-	0.00	-0.00	-0.02
Greene County, IN	Ozone	Maintenance	100	-	-0.00	-0.00	-0.01
Greene County, PA	Ozone	Maintenance	100	-	-0.00	-0.00	-0.02
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.03	0.01	-0.28
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.02	0.01	-0.12
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-0.04	-0.07	-0.33
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	-0.00	-0.02
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.02	0.01	-0.12
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.01	-0.12
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.04	0.03	-0.13
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	-0.00	-0.01
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.03
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.00	-0.00	-0.05
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.06	-0.21	-1.49
Humphreys County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-0.01	-0.03	-0.12
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-0.01	-0.02	-0.07
Huron County, MI	Ozone	Maintenance	100	-	-0.00	-0.00	-0.01

Table B1-29
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
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Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Imperial County, CA	Ozone	Moderate	50	-	0.01	0.00	-0.03
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.01	0.00	-0.03
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.01
Indianapolis, IN	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.02	-0.02	-0.40
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.02	-0.01	-0.31
Jackson County, IN	Ozone	Maintenance	100	-	-0.00	-0.00	-0.02
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	-0.00	-0.03
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.00	-0.02
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-0.01	-0.02	-0.10
Johnstown, PA	Ozone	Maintenance	100	-	-0.00	-0.00	-0.03
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-0.00	-0.00	-0.03
Juneau, AK	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.01
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.00	-0.01	-0.12
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Kansas City, MO-KS	Ozone	Maintenance	100	-	-0.05	-0.11	-0.54
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.01	0.01	-0.01
Kent, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	-0.00	-0.02
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	-0.00	-0.00
King County, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Klamath Falls, OR	CO	Maintenance	100	-	-0.00	-0.01	-0.03
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.03
Knoxville, TN	Ozone	Former Subpart 1	50	-	-0.03	-0.08	-0.39
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-0.03	-0.07	-0.31
La Porte County, IN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Lake County, IN	SO _x	Maintenance	100	-	0.01	0.01	-0.04
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	-0.00
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	-0.01
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	-0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.02	0.01	-0.05
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.01	-0.05
Lane County, OR	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.07
LaPorte, IN	Ozone	Maintenance	100	-	-0.00	-0.01	-0.04
Las Vegas, NV	CO	Serious	100	-	0.05	0.03	-0.19
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.05	0.03	-0.20
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.00	-0.00	-0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	-0.00	-0.00
Lima, OH	Ozone	Maintenance	100	-	-0.01	-0.01	-0.04

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Longmont, CO	CO	Maintenance	100	-	0.00	0.00	-0.01
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.50	0.35	-1.90
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	0.50	0.35	-1.90
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.50	0.35	-1.90
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.50	0.35	-1.90
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.50	0.35	-1.90
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.02	0.02	-0.08
Louisville, KY-IN	Ozone	Maintenance	100	-	0.02	0.01	-0.19
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.02	0.00	-0.19
Lowell, MA	CO	Maintenance	100	-	0.00	0.00	-0.01
Lucas County, OH	SO _x	Maintenance	100	-	0.01	0.00	-0.05
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Macon, GA	Ozone	Maintenance	100	-	-0.01	-0.02	-0.08
Macon, GA	PM _{2.5}	Nonattainment	100	-	-0.01	-0.02	-0.08
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	-0.00	-0.00
Madison, WI	SO _x	Maintenance	100	-	0.00	-0.00	-0.04
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Manchester, NH	CO	Maintenance	100	-	0.00	0.00	-0.01
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.01
Marion County, IN	SO _x	Maintenance	100	-	-0.00	-0.01	-0.08
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.01
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-0.01	-0.02	-0.10
Mason County, MI	Ozone	Maintenance	100	-	-0.00	-0.00	-0.01
Medford, OR	CO	Maintenance	100	-	0.00	0.00	-0.01
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.03
Memphis, TN-AR	Ozone	Maintenance	100	-	0.01	-0.02	-0.22
Memphis, TN	CO	Maintenance	100	-	0.02	0.01	-0.16
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	-0.00	-0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.01	0.00	-0.09
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.04	0.02	-0.28
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-0.02	-0.09	-0.72
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-0.01	-0.09	-0.70
Missoula, MT	CO	Maintenance	100	-	-0.01	-0.01	-0.04
Missoula, MT	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.04
Modesto, CA	CO	Maintenance	100	-	0.01	0.00	-0.05
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Muncie, IN	Ozone	Maintenance	100	-	-0.01	-0.02	-0.06
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.00	-0.00	-0.00
Muscatine County, IA	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Muskegon, MI	Ozone	Maintenance	100	-	-0.00	-0.01	-0.04
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	-0.01
Nashville, TN	Ozone	Former Subpart 1	50	-	0.03	0.01	-0.27

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Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.02
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.03	0.02	-0.11
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
New York County, NY	PM ₁₀	Moderate	100	-	-0.63	-0.90	-2.15
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-1.00	-1.61	-5.11
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-0.78	-1.46	-6.03
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-0.77	-1.44	-5.96
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.04	0.02	-0.23
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	-0.01
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.02
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-0.00	-0.01	-0.04
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.00	-0.01	-0.04
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.01	0.01	-0.05
Philadelaphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.07	-0.00	-0.81
Phildelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.15	0.05	-1.07
Phoenix, AZ	CO	Maintenance	100	-	0.16	0.12	-0.51
Phoenix, AZ	PM ₁₀	Serious	70	-	0.16	0.12	-0.53
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.16	0.13	-0.53
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	-0.00	-0.00
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.02	-0.01	-0.40
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.03	-0.00	-0.34
Polk County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Polson, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Portland, ME	Ozone	Maintenance	100	-	0.02	0.02	-0.07
Portland, OR	CO	Maintenance	100	-	0.02	0.00	-0.21
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.02
Poughkeepsie, NY	Ozone	Moderate	50	-	0.03	0.01	-0.21
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.01	-0.00	-0.18
Provo, UT	CO	Maintenance	100	-	0.00	-0.00	-0.03
Raleigh-Durham, NC	CO	Maintenance	100	-	0.04	0.03	-0.17
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.05	0.03	-0.25
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00

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Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Reading, PA	Ozone	Maintenance	100	-	0.01	0.00	-0.06
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.00	-0.06
Reno, NV	CO	Maintenance	100	-	0.01	0.01	-0.03
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.03	0.02	-0.18
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.03	0.02	-0.06
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.00	-0.00	-0.06
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Rochester, NY	Ozone	Former Subpart 1	50	-	0.04	0.02	-0.20
Rocky Mount, NC	Ozone	Maintenance	100	-	-0.00	-0.00	-0.04
Rome, GA	PM _{2.5}	Nonattainment	100	-	-0.00	-0.01	-0.04
Ronan, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.05	0.04	-0.17
Sacramento Metro, CA	Ozone	Severe	25	-	0.08	0.05	-0.34
Sacramento, CA	CO	Maintenance	100	-	0.06	0.04	-0.19
Salem, OR	CO	Maintenance	100	-	0.00	-0.00	-0.02
Salt Lake City, UT	CO	Maintenance	100	-	0.01	0.00	-0.03
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.02	0.01	-0.16
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.02	0.01	-0.16
San Antonio, TX	Ozone	Former Subpart 1	50	-	-0.03	-0.08	-0.52
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.02	0.01	-0.05
San Diego, CA	CO	Maintenance	100	-	0.16	0.13	-0.42
San Diego, CA	Ozone	Former Subpart 1	50	-	0.16	0.13	-0.42
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.21	0.15	-0.79
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.24	0.18	-0.88
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.10	0.04	-0.70
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.10	0.04	-0.70
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.10	0.04	-0.70
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.01	-0.00	-0.12
Seattle-Tacoma, WA	CO	Maintenance	100	-	-0.03	-0.11	-0.78
Sheboygan, WI	Ozone	Moderate	50	-	0.00	-0.00	-0.02
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.02
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.00	-0.00	-0.09
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.02
Spokane County, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.08
Spokane, WA	CO	Maintenance	100	-	-0.00	-0.01	-0.08
Springfield (western MA), MA	Ozone	Moderate	50	-	0.04	0.03	-0.09
Springfield, MA	CO	Maintenance	100	-	0.01	0.00	-0.02
St Louis, MO	CO	Maintenance	100	-	0.00	-0.02	-0.22
St Louis, MO-IL	Ozone	Moderate	50	-	0.04	-0.01	-0.56
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.04	-0.01	-0.56
State College, PA	Ozone	Maintenance	100	-	0.01	0.00	-0.02

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.00	-0.01	-0.02
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.01	-0.01	-0.04
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.01	-0.01	-0.04
Stockton, CA	CO	Maintenance	100	-	0.01	0.01	-0.06
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-0.00	-0.02	-0.13
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	-0.01	-0.01	-0.05
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.01
Toledo, OH	Ozone	Maintenance	100	-	0.01	0.00	-0.10
Toms River, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
Tooele County, UT	SO _x	Nonattainment	100	-	-0.00	-0.01	-0.04
Trenton, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Tucson, AZ	CO	Maintenance	100	-	0.03	0.02	-0.14
Utah County, UT	PM ₁₀	Moderate	100	-	0.01	-0.00	-0.09
Vancouver, WA	CO	Maintenance	100	-	0.00	-0.00	-0.06
Ventura County, CA	Ozone	Serious	50	-	0.03	0.02	-0.09
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Vigo County, IN	SO _x	Maintenance	100	-	-0.01	-0.01	-0.05
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	-0.01
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-0.01	-0.01	-0.07
Washington, DC-MD-VA	CO	Maintenance	100	-	0.06	0.05	-0.17
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.19	0.15	-0.62
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.19	0.15	-0.59
Washoe County, NV	PM ₁₀	Serious	70	-	0.01	0.01	-0.03
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Wayne County, IN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.02
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Weirton, WV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Wheeling, WV-OH	Ozone	Maintenance	100	-	-0.01	-0.01	-0.06
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.01	-0.01	-0.06
Winston-Salem, NC	CO	Maintenance	100	-	0.01	-0.00	-0.08
Worcester, MA	CO	Maintenance	100	-	0.01	0.01	-0.02
Yakima County, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.03
Yakima, WA	CO	Maintenance	100	-	-0.00	-0.00	-0.01
York, PA	Ozone	Maintenance	100	-	0.01	-0.00	-0.08
York, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.00	-0.06
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.01	0.00	-0.11
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.03

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

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

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

Source: EPA, 2008.

Table B1-30
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Benzene 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	-0.00	-0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-0.14	-0.49	-1.89
Albuquerque, NM	CO	Maintenance	100	-	0.03	-0.07	-0.58
Allegan County, MI	Ozone	Former Subpart 1	50	-	-0.00	-0.03	-0.17
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.06	-0.02	-0.51
Altoona, PA	Ozone	Maintenance	100	-	0.00	-0.02	-0.11
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.02	0.00	-0.13
Anchorage, AK	CO	Maintenance	100	-	-0.07	-0.14	-0.37
Anthony, NM	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Atlanta, GA	Ozone	Moderate	50	-	0.50	-0.49	-6.13
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.50	-0.49	-6.13
Atlantic City, NJ	CO	Maintenance	100	-	0.01	0.00	-0.04
Bakersfield, CA	CO	Maintenance	100	-	0.02	-0.05	-0.44
Baltimore, MD	CO	Maintenance	100	-	0.00	-0.00	-0.01
Baltimore, MD	Ozone	Moderate	50	-	0.35	-0.01	-2.36
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.35	-0.01	-2.36
Baton Rouge, LA	Ozone	Moderate	50	-	-0.04	-0.20	-0.92
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.01	-0.10	-0.49
Benton County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	-0.01	-0.05	-0.22
Benzie County, MI	Ozone	Maintenance	100	-	-0.00	-0.01	-0.03
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-0.01	-0.04	-0.18
Billings, MT	CO	Maintenance	100	-	-0.01	-0.03	-0.10
Birmingham, AL	Ozone	Maintenance	100	-	0.07	-0.07	-0.93
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.07	-0.08	-0.93
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-0.02	-0.10	-0.44
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-0.02	-0.10	-0.44
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.03
Boston, MA	CO	Maintenance	100	-	0.10	0.00	-0.66
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.62	0.03	-3.94
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.08	0.00	-0.50
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.01	-0.01	-0.03
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.10	-0.06	-1.01
Burlington, NJ	CO	Maintenance	100	-	0.00	-0.00	-0.01
Butte, MT	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.05
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.03
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.01	-0.04	-0.31
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.01	-0.04	-0.31
Case County, MI	Ozone	Maintenance	100	-	-0.00	-0.01	-0.05
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Charleston, WV	Ozone	Maintenance	100	-	0.02	-0.02	-0.25

Table B1-30
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Benzene 2025

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.02	-0.02	-0.25
Charlotte, NC	CO	Maintenance	100	-	0.07	-0.02	-0.62
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.10	-0.16	-1.58
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-0.03	-0.16	-0.72
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-0.03	-0.15	-0.66
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.74	-0.17	-5.83
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.75	-0.20	-6.07
Chico, CA	CO	Maintenance	100	-	0.01	-0.01	-0.10
Chico, CA	Ozone	Former Subpart 1	50	-	0.02	-0.01	-0.22
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.15	-0.14	-1.80
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.15	-0.13	-1.73
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.01
Clark County, NV	PM ₁₀	Serious	70	-	0.15	-0.05	-1.26
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-0.03	-0.10	-0.39
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-0.01	-0.06	-0.24
Cleveland, OH	CO	Maintenance	100	-	0.05	-0.10	-0.91
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.20	-0.18	-2.34
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.18	-0.16	-2.15
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.08	0.01	-0.48
Colbert County, AL	SO _x	Maintenance	100	-	-0.00	-0.02	-0.08
Colorado Springs, CO	CO	Maintenance	100	-	0.01	-0.11	-0.66
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Columbia, SC	Ozone	Former Subpart 1	50	-	-0.04	-0.19	-0.85
Columbus, OH	Ozone	Maintenance	100	-	0.09	-0.19	-1.66
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.09	-0.16	-1.51
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	-0.00	-0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.05	-0.10	-0.91
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.04	-0.08	-0.75
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.60	-0.37	-6.13
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.05	-0.08	-0.80
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.05	-0.07	-0.70
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.35	-0.01	-2.35
Denver-Boulder, CO	CO	Maintenance	100	-	0.33	-0.01	-2.25
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.35	-0.12	-3.03
Detroit, MI	CO	Maintenance	100	-	0.08	-0.18	-1.58
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.25	-0.50	-4.52
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.25	-0.48	-4.41
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	-0.00	-0.03
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.03
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	-0.00	-0.02
Duluth, MN	CO	Maintenance	100	-	-0.00	-0.02	-0.11
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.02
East Chicago, IN	CO	Maintenance	100	-	0.00	-0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.02	-0.01	-0.17
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	-0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.02	-0.06	-0.49
El Paso, TX	CO	Maintenance	100	-	0.00	-0.00	-0.03

Table B1-30
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Benzene 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Erie, PA	Ozone	Maintenance	100	-	0.02	-0.02	-0.21
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	-0.00	-0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	-0.04	-0.10	-0.37
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-0.03	-0.10	-0.35
Evansville, IN	Ozone	Maintenance	100	-	0.01	-0.04	-0.26
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-0.00	-0.06	-0.37
Fairbanks, AK	CO	Maintenance	100	-	-0.01	-0.02	-0.06
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.03	-0.01	-0.25
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Flint, MI	Ozone	Maintenance	100	-	0.04	-0.04	-0.48
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	0.00	-0.03	-0.19
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	-0.03	-0.12	-0.50
Franklin County, PA	Ozone	Maintenance	100	-	-0.01	-0.04	-0.19
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	-0.02	-0.06	-0.22
Fredericksburg, VA	Ozone	Maintenance	100	-	0.02	-0.05	-0.41
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
Fresno, CA	CO	Maintenance	100	-	0.06	-0.01	-0.48
Grand Rapids, MI	Ozone	Maintenance	100	-	0.04	-0.09	-0.81
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.03
Grant County, NM	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Grants Pass, OR	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.05
Great Falls, MT	CO	Maintenance	100	-	-0.00	-0.01	-0.03
Greater Connecticut, CT	Ozone	Moderate	50	-	0.16	-0.05	-1.38
Greeley, CO	CO	Maintenance	100	-	-0.00	-0.03	-0.15
Green Bay, WI	SO _x	Maintenance	100	-	0.01	-0.01	-0.12
Greene County, IN	Ozone	Maintenance	100	-	-0.00	-0.01	-0.06
Greene County, PA	Ozone	Maintenance	100	-	-0.01	-0.02	-0.07
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.11	-0.13	-1.50
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.07	-0.04	-0.70
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-0.07	-0.29	-1.24
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	-0.00	-0.02
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.01	-0.01	-0.11
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.08	-0.04	-0.74
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.07	-0.04	-0.69
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.12	-0.02	-0.86
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	-0.00	-0.01
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.03
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	-0.00	-0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	-0.00	-0.04
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.01	-0.02	-0.17
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.02	-0.03	-0.28
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	-0.00	-0.00
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.01	-1.13	-6.44
Humphreys County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00

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Benzene 2025

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-0.03	-0.11	-0.43
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-0.02	-0.06	-0.24
Huron County, MI	Ozone	Maintenance	100	-	-0.00	-0.01	-0.04
Imperial County, CA	Ozone	Moderate	50	-	0.02	-0.01	-0.19
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.02	-0.01	-0.18
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.03
Indianapolis, IN	CO	Maintenance	100	-	0.00	-0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.09	-0.24	-2.00
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.08	-0.18	-1.56
Jackson County, IN	Ozone	Maintenance	100	-	-0.00	-0.02	-0.10
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.01	-0.02	-0.15
Jefferson County, NY	Ozone	Moderate	50	-	0.01	-0.00	-0.10
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-0.03	-0.09	-0.33
Johnstown, PA	Ozone	Maintenance	100	-	0.00	-0.02	-0.11
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-0.00	-0.02	-0.13
Juneau, AK	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.04
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.01	-0.08	-0.54
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.05
Kansas City, MO-KS	Ozone	Maintenance	100	-	-0.08	-0.46	-2.14
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.02	0.00	-0.11
Kent, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.03
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	-0.01	-0.08
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	-0.00	-0.02
King County, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Klamath Falls, OR	CO	Maintenance	100	-	-0.01	-0.03	-0.08
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.01	-0.03	-0.08
Knoxville, TN	Ozone	Former Subpart 1	50	-	-0.06	-0.33	-1.53
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-0.06	-0.27	-1.21
La Porte County, IN	SO _x	Maintenance	100	-	-0.00	-0.01	-0.05
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.03
Lake County, IN	SO _x	Maintenance	100	-	0.03	-0.01	-0.26
Lake County, OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.03
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	-0.02
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.01	0.00	-0.05
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	-0.00	-0.02
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.02
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.05	-0.01	-0.36
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.05	-0.01	-0.36
Lane County, OR	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.04	-0.02	-0.41
LaPorte, IN	Ozone	Maintenance	100	-	-0.01	-0.03	-0.14
Las Vegas, NV	CO	Serious	100	-	0.15	-0.05	-1.26
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.15	-0.05	-1.28
Lauderdale County, AL	SO _x	Maintenance	100	-	0.01	-0.00	-0.07
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01

Table B1-30
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Benzene 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.00	-0.00	-0.01
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	-0.00	-0.01
Lima, OH	Ozone	Maintenance	100	-	-0.01	-0.04	-0.16
Longmont, CO	CO	Maintenance	100	-	0.01	0.00	-0.07
Lorain County, OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.04
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	1.59	-0.36	-12.60
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	1.59	-0.36	-12.60
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	1.59	-0.36	-12.60
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	1.59	-0.36	-12.60
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	1.59	-0.36	-12.60
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.07	-0.01	-0.56
Louisville, KY-IN	Ozone	Maintenance	100	-	0.08	-0.09	-1.04
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.07	-0.09	-1.02
Lowell, MA	CO	Maintenance	100	-	0.01	0.00	-0.09
Lucas County, OH	SO _x	Maintenance	100	-	0.02	-0.03	-0.28
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.01	-0.00	-0.05
Macon, GA	Ozone	Maintenance	100	-	-0.02	-0.07	-0.29
Macon, GA	PM _{2.5}	Nonattainment	100	-	-0.02	-0.07	-0.29
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	-0.00	-0.00
Madison, WI	SO _x	Maintenance	100	-	0.01	-0.02	-0.24
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
Manchester, NH	CO	Maintenance	100	-	0.01	0.00	-0.06
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.01	-0.00	-0.09
Marion County, IN	SO _x	Maintenance	100	-	0.00	-0.06	-0.35
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	-0.00	-0.09
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-0.01	-0.08	-0.40
Mason County, MI	Ozone	Maintenance	100	-	0.00	-0.00	-0.03
Medford, OR	CO	Maintenance	100	-	0.01	-0.00	-0.07
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.02	-0.01	-0.16
Memphis, TN-AR	Ozone	Maintenance	100	-	0.03	-0.14	-1.04
Memphis, TN	CO	Maintenance	100	-	0.07	-0.07	-0.85
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	-0.00	-0.03
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	-0.00	-0.01
Milwaukee, WI	SO _x	Maintenance	100	-	0.04	-0.04	-0.49
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.14	-0.12	-1.61
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.03	-0.52	-3.20
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.03	-0.51	-3.11
Missoula, MT	CO	Maintenance	100	-	-0.02	-0.04	-0.12
Missoula, MT	PM ₁₀	Moderate	100	-	-0.02	-0.04	-0.12
Modesto, CA	CO	Maintenance	100	-	0.02	-0.02	-0.29
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.01	-0.00	-0.09
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	-0.00	-0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	-0.03
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.00	-0.01	-0.04
Muncie, IN	Ozone	Maintenance	100	-	-0.02	-0.06	-0.20
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.00	-0.00	-0.01
Muscatine County, IA	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Muskegon, MI	Ozone	Maintenance	100	-	-0.00	-0.03	-0.15
Nashua, NH	CO	Maintenance	100	-	0.01	0.00	-0.05

Table B1-30
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Benzene 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Nashville, TN	Ozone	Former Subpart 1	50	-	0.12	-0.12	-1.51
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.02	-0.00	-0.11
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.01	-0.00	-0.12
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.08	-0.03	-0.66
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
New York County, NY	PM ₁₀	Moderate	100	-	-1.55	-2.66	-5.18
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-2.33	-5.39	-15.91
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-1.63	-5.61	-21.80
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-1.60	-5.54	-21.57
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.04
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.14	-0.08	-1.37
Ogden, UT	CO	Maintenance	100	-	0.01	-0.00	-0.06
Ogden, UT	PM ₁₀	Moderate	100	-	0.01	-0.00	-0.06
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.02
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	-0.02	-0.11
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	-0.00	-0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-0.00	-0.04	-0.18
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.00	-0.04	-0.18
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.02
Penns Grove, NJ	CO	Maintenance	100	-	0.00	-0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.01	-0.00	-0.08
Perth Amboy, NJ	CO	Maintenance	100	-	0.01	0.00	-0.06
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.04	-0.01	-0.31
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.27	-0.42	-4.23
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.49	-0.46	-5.93
Phoenix, AZ	CO	Maintenance	100	-	0.53	-0.04	-3.76
Phoenix, AZ	PM ₁₀	Serious	70	-	0.55	-0.05	-3.88
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.55	-0.05	-3.90
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.01
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	-0.00	-0.02
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.10	-0.23	-1.98
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.11	-0.18	-1.76
Polk County, TN	SO _x	Maintenance	100	-	-0.00	-0.01	-0.03
Polson, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Portland, ME	Ozone	Maintenance	100	-	0.06	-0.01	-0.45
Portland, OR	CO	Maintenance	100	-	0.07	-0.10	-1.10
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.07
Poughkeepsie, NY	Ozone	Moderate	50	-	0.11	-0.08	-1.21
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Providence (entire State), RI	Ozone	Moderate	50	-	0.06	-0.10	-0.95
Provo, UT	CO	Maintenance	100	-	0.01	-0.02	-0.16
Raleigh-Durham, NC	CO	Maintenance	100	-	0.13	-0.04	-1.10

Table B1-30
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Benzene 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.17	-0.07	-1.53
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Reading, PA	Ozone	Maintenance	100	-	0.02	-0.03	-0.31
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.02	-0.03	-0.31
Reno, NV	CO	Maintenance	100	-	0.03	-0.00	-0.20
Rhinelander (Oneida County), WI	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.11	-0.06	-1.06
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.04
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.08	0.01	-0.48
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.01	-0.04	-0.27
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	-0.01	-0.09
Rochester, NY	Ozone	Former Subpart 1	50	-	0.12	-0.07	-1.17
Rocky Mount, NC	Ozone	Maintenance	100	-	0.00	-0.03	-0.20
Rome, GA	PM _{2.5}	Nonattainment	100	-	-0.01	-0.03	-0.15
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.17	-0.02	-1.20
Sacramento Metro, CA	Ozone	Severe	25	-	0.27	-0.08	-2.25
Sacramento, CA	CO	Maintenance	100	-	0.18	-0.02	-1.35
Salem, OR	CO	Maintenance	100	-	0.01	-0.01	-0.13
Salt Lake City, UT	CO	Maintenance	100	-	0.02	-0.01	-0.19
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.08	-0.06	-0.92
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.08	-0.06	-0.92
San Antonio, TX	Ozone	Former Subpart 1	50	-	-0.02	-0.41	-2.19
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.05	-0.00	-0.34
San Diego, CA	CO	Maintenance	100	-	0.50	0.01	-3.23
San Diego, CA	Ozone	Former Subpart 1	50	-	0.50	0.01	-3.23
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.67	-0.15	-5.27
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.77	-0.14	-5.93
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.36	-0.29	-4.08
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.37	-0.29	-4.10
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.36	-0.29	-4.08
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	-0.00	-0.03
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.04	-0.07	-0.64
Seattle-Tacoma, WA	CO	Maintenance	100	-	-0.00	-0.59	-3.40
Sheboygan, WI	Ozone	Moderate	50	-	0.01	-0.01	-0.12
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.05
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.02	-0.06	-0.46
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.02	-0.01	-0.15
Spokane County, WA	PM ₁₀	Maintenance	100	-	-0.01	-0.07	-0.35
Spokane, WA	CO	Maintenance	100	-	-0.01	-0.07	-0.35
Springfield (western MA), MA	Ozone	Moderate	50	-	0.11	0.00	-0.69
Springfield, MA	CO	Maintenance	100	-	0.02	0.00	-0.11
St Louis, MO	CO	Maintenance	100	-	0.02	-0.15	-0.99
St Louis, MO-IL	Ozone	Moderate	50	-	0.16	-0.31	-2.87

Table B1-30
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Benzene 2025

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.16	-0.31	-2.86
State College, PA	Ozone	Maintenance	100	-	0.02	-0.00	-0.14
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.02
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.01	-0.02	-0.07
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.01	-0.04	-0.15
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.01	-0.04	-0.15
Stockton, CA	CO	Maintenance	100	-	0.04	-0.02	-0.40
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.00	-0.10	-0.58
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	-0.01	-0.05	-0.19
Tioga County, PA	Ozone	Maintenance	100	-	0.01	-0.00	-0.05
Toledo, OH	Ozone	Maintenance	100	-	0.04	-0.05	-0.51
Toms River, NJ	CO	Maintenance	100	-	0.01	0.00	-0.08
Tooele County, UT	SO _x	Nonattainment	100	-	-0.01	-0.03	-0.14
Trenton, NJ	CO	Maintenance	100	-	0.01	-0.00	-0.07
Trona, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Tucson, AZ	CO	Maintenance	100	-	0.09	-0.04	-0.86
Utah County, UT	PM ₁₀	Moderate	100	-	0.03	-0.05	-0.46
Vancouver, WA	CO	Maintenance	100	-	0.02	-0.03	-0.30
Ventura County, CA	Ozone	Serious	50	-	0.10	-0.00	-0.66
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.01
Vigo County, IN	SO _x	Maintenance	100	-	-0.01	-0.05	-0.19
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.01	0.00	-0.04
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	-0.03
Warren County, PA	SO _x	Nonattainment	100	-	0.00	-0.00	-0.01
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-0.01	-0.06	-0.27
Washington, DC-MD-VA	CO	Maintenance	100	-	0.18	-0.01	-1.23
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.60	-0.06	-4.32
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.60	-0.04	-4.20
Washoe County, NV	PM ₁₀	Serious	70	-	0.03	-0.00	-0.20
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Wayne County, IN	SO _x	Maintenance	100	-	-0.00	-0.02	-0.09
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	-0.01	-0.08
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Weirton, WV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Wheeling, WV-OH	Ozone	Maintenance	100	-	-0.01	-0.05	-0.21
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.01	-0.05	-0.21
Winston-Salem, NC	CO	Maintenance	100	-	0.02	-0.04	-0.40
Worcester, MA	CO	Maintenance	100	-	0.03	0.00	-0.17
Yakima County, WA	PM ₁₀	Maintenance	100	-	-0.01	-0.03	-0.13
Yakima, WA	CO	Maintenance	100	-	-0.00	-0.01	-0.05

Table B1-30
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Benzene 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
York, PA	Ozone	Maintenance	100	-	0.03	-0.04	-0.43
York, PA	PM _{2.5}	Nonattainment	100	-	0.03	-0.03	-0.32
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.04	-0.06	-0.60
Yuma, AZ	PM ₁₀	Moderate	100	-	0.01	-0.01	-0.17

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

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

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

Source: EPA, 2008.

Table B1-31
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Benzene 2040

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.01
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	-0.01	-0.03
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	-0.01	-0.03
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-0.14	-3.08	-10.83
Albuquerque, NM	CO	Maintenance	100	-	0.18	-0.93	-4.20
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.03	-0.28	-1.17
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.25	-0.81	-4.06
Altoona, PA	Ozone	Maintenance	100	-	0.02	-0.17	-0.70
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.10	-0.24	-1.33
Anchorage, AK	CO	Maintenance	100	-	-0.14	-0.60	-1.65
Anthony, NM	PM ₁₀	Moderate	100	-	-0.00	-0.02	-0.06
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	-0.01	-0.03
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	-0.02	-0.06
Atlanta, GA	Ozone	Moderate	50	-	2.66	-10.25	-49.01
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	2.66	-10.26	-49.03
Atlantic City, NJ	CO	Maintenance	100	-	0.02	-0.06	-0.33
Bakersfield, CA	CO	Maintenance	100	-	0.15	-0.74	-3.36
Baltimore, MD	CO	Maintenance	100	-	0.00	-0.01	-0.07
Baltimore, MD	Ozone	Moderate	50	-	1.48	-3.89	-20.53
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	1.48	-3.89	-20.53
Baton Rouge, LA	Ozone	Moderate	50	-	0.04	-1.49	-5.69
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	0.03	-0.77	-2.98
Benton County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Benton Harbor, MI	Ozone	Maintenance	100	-	0.01	-0.34	-1.30
Benzie County, MI	Ozone	Maintenance	100	-	0.00	-0.05	-0.20
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.02	-0.30	-1.18
Billings, MT	CO	Maintenance	100	-	-0.01	-0.17	-0.60
Birmingham, AL	Ozone	Maintenance	100	-	0.35	-1.46	-6.87
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.36	-1.46	-6.89
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.00	-0.73	-2.74
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.00	-0.73	-2.74
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.00	-0.04	-0.16
Boston, MA	CO	Maintenance	100	-	0.41	-1.04	-5.57
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	2.54	-6.33	-33.95
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.33	-0.82	-4.43
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.01	-0.04	-0.11
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.45	-1.60	-7.76
Burlington, NJ	CO	Maintenance	100	-	0.00	-0.01	-0.05
Butte, MT	PM ₁₀	Moderate	100	-	-0.02	-0.08	-0.21
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.05	-0.17
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.07	-0.48	-2.06
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.07	-0.48	-2.06
Case County, MI	Ozone	Maintenance	100	-	0.01	-0.08	-0.32
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.00	-0.01	-0.05
Charleston, WV	Ozone	Maintenance	100	-	0.09	-0.37	-1.77
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.09	-0.37	-1.77
Charlotte, NC	CO	Maintenance	100	-	0.34	-1.05	-5.29
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.59	-2.62	-12.16

Table B1-31
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Benzene 2040

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.00	-1.15	-4.29
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.01	-1.05	-3.93
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	3.25	-9.54	-48.81
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	3.32	-9.95	-50.58
Chico, CA	CO	Maintenance	100	-	0.05	-0.18	-0.89
Chico, CA	Ozone	Former Subpart 1	50	-	0.12	-0.40	-1.96
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.73	-2.91	-13.81
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.72	-2.79	-13.34
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	-0.02	-0.09
Clark County, NV	PM ₁₀	Serious	70	-	0.75	-2.21	-11.28
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-0.03	-0.65	-2.28
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-0.00	-0.39	-1.42
Cleveland, OH	CO	Maintenance	100	-	0.25	-1.37	-6.11
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.92	-3.67	-17.41
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.85	-3.37	-15.98
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.38	-0.89	-4.87
Colbert County, AL	SO _x	Maintenance	100	-	-0.00	-0.12	-0.44
Colorado Springs, CO	CO	Maintenance	100	-	0.14	-1.12	-4.72
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.05
Columbia, SC	Ozone	Former Subpart 1	50	-	0.02	-1.38	-5.20
Columbus, OH	Ozone	Maintenance	100	-	0.57	-2.78	-12.69
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.56	-2.54	-11.72
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	-0.00	-0.02
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.25	-1.37	-6.11
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.21	-1.14	-5.08
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	3.09	-10.48	-51.62
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.25	-1.25	-5.67
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.23	-1.09	-4.98
Denver Metro, CO	PM ₁₀	Maintenance	100	-	1.54	-3.98	-21.11
Denver-Boulder, CO	CO	Maintenance	100	-	1.47	-3.81	-20.20
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	1.68	-5.14	-25.99
Detroit, MI	CO	Maintenance	100	-	0.42	-2.34	-10.40
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	1.44	-7.27	-32.91
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	1.44	-7.09	-32.23
Door County, WI	Ozone	Former Subpart 1	50	-	0.02	-0.05	-0.26
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.01	-0.05	-0.24
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.01	-0.04	-0.19
Duluth, MN	CO	Maintenance	100	-	-0.00	-0.17	-0.62
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.01	-0.04	-0.10
East Chicago, IN	CO	Maintenance	100	-	0.00	-0.00	-0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.08	-0.27	-1.33
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	-0.00	-0.01
El Paso County, TX	PM ₁₀	Moderate	100	-	0.15	-0.80	-3.59
El Paso, TX	CO	Maintenance	100	-	0.01	-0.05	-0.22
Erie, PA	Ozone	Maintenance	100	-	0.08	-0.33	-1.53
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	-0.00	-0.01

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Benzene 2040

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Eugene-Springfield, OR	CO	Maintenance	100	-	-0.05	-0.62	-2.07
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-0.05	-0.59	-1.98
Evansville, IN	Ozone	Maintenance	100	-	0.06	-0.42	-1.82
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.05	-0.59	-2.41
Fairbanks, AK	CO	Maintenance	100	-	-0.03	-0.10	-0.24
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.12	-0.41	-2.01
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.02	-0.07
Flint, MI	Ozone	Maintenance	100	-	0.18	-0.76	-3.54
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Fort Collins, CO	CO	Maintenance	100	-	0.05	-0.32	-1.41
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	-0.01	-0.81	-2.97
Franklin County, PA	Ozone	Maintenance	100	-	0.01	-0.31	-1.22
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	-0.04	-0.35	-1.17
Fredericksburg, VA	Ozone	Maintenance	100	-	0.15	-0.71	-3.25
Freehold, NJ	CO	Maintenance	100	-	0.01	-0.02	-0.13
Fresno, CA	CO	Maintenance	100	-	0.29	-0.82	-4.23
Grand Rapids, MI	Ozone	Maintenance	100	-	0.26	-1.34	-6.05
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.02	-0.05	-0.25
Grant County, NM	SO _x	Maintenance	100	-	-0.00	-0.01	-0.02
Grants Pass, OR	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.09	-0.30
Great Falls, MT	CO	Maintenance	100	-	-0.00	-0.04	-0.14
Greater Connecticut, CT	Ozone	Moderate	50	-	0.69	-2.16	-10.84
Greeley, CO	CO	Maintenance	100	-	0.02	-0.25	-0.99
Green Bay, WI	SO _x	Maintenance	100	-	0.04	-0.20	-0.89
Greene County, IN	Ozone	Maintenance	100	-	0.00	-0.10	-0.38
Greene County, PA	Ozone	Maintenance	100	-	-0.01	-0.11	-0.37
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.57	-2.39	-11.22
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.32	-1.10	-5.38
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-0.05	-1.97	-7.10
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.01	-0.03	-0.16
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.04	-0.18	-0.82
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.37	-1.22	-6.05
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.33	-1.14	-5.60
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.46	-1.33	-6.86
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	-0.02	-0.07
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.02	-0.06	-0.30
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	-0.01	-0.03
Hazelwood, PA	SO _x	Maintenance	100	-	0.01	-0.06	-0.28
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.06	-0.26	-1.19
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.09	-0.44	-2.01
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	-0.00	-0.01
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	1.06	-10.64	-43.83
Humphreys County, TN	SO _x	Maintenance	100	-	-0.00	-0.01	-0.02
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-0.03	-0.68	-2.40
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-0.02	-0.37	-1.27
Huron County, MI	Ozone	Maintenance	100	-	0.00	-0.06	-0.22

Table B1-31
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Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Imperial County, CA	Ozone	Moderate	50	-	0.11	-0.32	-1.64
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.10	-0.32	-1.60
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.01	-0.05	-0.23
Indianapolis, IN	CO	Maintenance	100	-	0.00	-0.00	-0.01
Indianapolis, IN	Ozone	Maintenance	100	-	0.63	-3.29	-14.80
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.52	-2.58	-11.71
Jackson County, IN	Ozone	Maintenance	100	-	0.01	-0.15	-0.60
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.05	-0.24	-1.08
Jefferson County, NY	Ozone	Moderate	50	-	0.05	-0.17	-0.83
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.00	-0.02	-0.06
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-0.04	-0.53	-1.80
Johnstown, PA	Ozone	Maintenance	100	-	0.01	-0.16	-0.66
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.01	-0.19	-0.74
Juneau, AK	PM ₁₀	Moderate	100	-	-0.02	-0.07	-0.17
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.11	-0.86	-3.65
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.01	-0.08	-0.27
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.11	-3.54	-13.59
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.08	-0.17	-0.97
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	-0.05	-0.21
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.03	-0.13	-0.58
Kewaunee County, WI	Ozone	Maintenance	100	-	0.01	-0.04	-0.17
King County, WA	PM ₁₀	Maintenance	100	-	0.00	-0.02	-0.08
Klamath Falls, OR	CO	Maintenance	100	-	-0.02	-0.14	-0.43
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.02	-0.14	-0.43
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.10	-2.56	-9.93
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.04	-2.02	-7.68
La Porte County, IN	SO _x	Maintenance	100	-	-0.00	-0.08	-0.27
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.01	-0.05	-0.15
Lake County, IN	SO _x	Maintenance	100	-	0.12	-0.39	-1.95
Lake County, OH	SO _x	Maintenance	100	-	0.01	-0.05	-0.24
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.02	-0.06
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.02	-0.04	-0.24
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.04	-0.10	-0.52
Lake Tahoe, NV	CO	Maintenance	100	-	0.01	-0.03	-0.13
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.01	-0.03	-0.09
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
Lancaster, PA	Ozone	Maintenance	100	-	0.21	-0.59	-3.06
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.21	-0.59	-3.06
Lane County, OR	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.20	-0.65	-3.24
LaPorte, IN	Ozone	Maintenance	100	-	-0.01	-0.21	-0.75
Las Vegas, NV	CO	Serious	100	-	0.75	-2.21	-11.28
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.76	-2.24	-11.42
Lauderdale County, AL	SO _x	Maintenance	100	-	0.03	-0.11	-0.57
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.01
Libby, MT	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.03
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.00	-0.01	-0.04
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	-0.02	-0.09
Lima, OH	Ozone	Maintenance	100	-	-0.01	-0.25	-0.87

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Longmont, CO	CO	Maintenance	100	-	0.05	-0.12	-0.65
Lorain County, OH	SO _x	Maintenance	100	-	0.02	-0.07	-0.32
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	7.25	-21.09	-108.12
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	7.25	-21.09	-108.12
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	7.25	-21.09	-108.12
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	7.25	-21.09	-108.12
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	7.25	-21.09	-108.12
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.34	-0.95	-4.92
Louisville, KY-IN	Ozone	Maintenance	100	-	0.39	-1.64	-7.70
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.37	-1.59	-7.41
Lowell, MA	CO	Maintenance	100	-	0.06	-0.15	-0.78
Lucas County, OH	SO _x	Maintenance	100	-	0.09	-0.43	-1.97
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.02	-0.08	-0.40
Macon, GA	Ozone	Maintenance	100	-	-0.02	-0.45	-1.61
Macon, GA	PM _{2.5}	Nonattainment	100	-	-0.02	-0.45	-1.59
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	-0.00	-0.02
Madison, WI	SO _x	Maintenance	100	-	0.09	-0.41	-1.89
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	-0.02	-0.09
Manchester, NH	CO	Maintenance	100	-	0.04	-0.09	-0.47
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.04	-0.13	-0.66
Marion County, IN	SO _x	Maintenance	100	-	0.05	-0.54	-2.22
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.06	-0.17	-0.88
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.02	-0.64	-2.50
Mason County, MI	Ozone	Maintenance	100	-	0.01	-0.05	-0.20
Medford, OR	CO	Maintenance	100	-	0.04	-0.12	-0.59
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.09	-0.28	-1.42
Memphis, TN-AR	Ozone	Maintenance	100	-	0.23	-1.61	-6.93
Memphis, TN	CO	Maintenance	100	-	0.31	-1.31	-6.13
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.01	-0.05	-0.22
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	-0.01	-0.03
Milwaukee, WI	SO _x	Maintenance	100	-	0.17	-0.76	-3.54
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.68	-2.60	-12.45
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.62	-5.27	-22.10
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.60	-5.12	-21.47
Missoula, MT	CO	Maintenance	100	-	-0.03	-0.20	-0.60
Missoula, MT	PM ₁₀	Moderate	100	-	-0.03	-0.19	-0.58
Modesto, CA	CO	Maintenance	100	-	0.13	-0.51	-2.43
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.05	-0.16	-0.81
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	-0.00	-0.02
Morristown, NJ	CO	Maintenance	100	-	0.02	-0.05	-0.24
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.00	-0.06	-0.22
Muncie, IN	Ozone	Maintenance	100	-	-0.05	-0.31	-0.97
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	-0.01	-0.04
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	-0.03	-0.12
Muskegon, MI	Ozone	Maintenance	100	-	0.02	-0.25	-1.00
Nashua, NH	CO	Maintenance	100	-	0.03	-0.07	-0.38
Nashville, TN	Ozone	Former Subpart 1	50	-	0.63	-2.50	-11.89

Table B1-31
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Benzene 2040

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.08	-0.22	-1.15
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.06	-0.20	-1.02
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.32	-1.03	-5.15
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.00	-0.01	-0.05
New York County, NY	PM ₁₀	Moderate	100	-	-3.96	-8.48	-15.13
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-4.78	-25.75	-75.81
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-1.68	-35.29	-124.03
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-1.63	-34.92	-122.84
Nogales, AZ	PM ₁₀	Moderate	100	-	0.02	-0.06	-0.29
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.62	-2.18	-10.66
Ogden, UT	CO	Maintenance	100	-	0.03	-0.10	-0.47
Ogden, UT	PM ₁₀	Moderate	100	-	0.03	-0.10	-0.47
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.01
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	-0.03	-0.14
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.03	-0.19	-0.84
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	-0.01	-0.03
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.01	-0.28	-1.09
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	-0.28	-1.10
Payson, AZ	PM ₁₀	Maintenance	100	-	0.01	-0.03	-0.14
Penns Grove, NJ	CO	Maintenance	100	-	0.00	-0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.04	-0.12	-0.63
Perth Amboy, NJ	CO	Maintenance	100	-	0.04	-0.11	-0.59
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.16	-0.47	-2.40
Philadelaphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	1.43	-6.71	-30.80
Phildelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	2.37	-9.43	-44.76
Phoenix, AZ	CO	Maintenance	100	-	2.73	-7.11	-37.62
Phoenix, AZ	PM ₁₀	Serious	70	-	2.80	-7.31	-38.67
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	2.81	-7.33	-38.78
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	-0.02	-0.07
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Pittsburgh, PA	CO	Maintenance	100	-	0.01	-0.04	-0.19
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.56	-3.10	-13.82
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.56	-2.75	-12.51
Polk County, TN	SO _x	Maintenance	100	-	0.00	-0.04	-0.16
Polson, MT	PM ₁₀	Moderate	100	-	0.00	-0.01	-0.02
Portland, ME	Ozone	Maintenance	100	-	0.26	-0.73	-3.76
Portland, OR	CO	Maintenance	100	-	0.39	-1.75	-8.08
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.01	-0.12	-0.38
Poughkeepsie, NY	Ozone	Moderate	50	-	0.60	-2.08	-10.20
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	-0.02	-0.07
Providence (entire State), RI	Ozone	Moderate	50	-	0.33	-1.55	-7.11
Provo, UT	CO	Maintenance	100	-	0.06	-0.27	-1.25
Raleigh-Durham, NC	CO	Maintenance	100	-	0.61	-1.86	-9.43
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.81	-2.58	-12.90
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.01

Table B1-31
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Benzene 2040

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Reading, PA	Ozone	Maintenance	100	-	0.12	-0.49	-2.29
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.12	-0.49	-2.29
Reno, NV	CO	Maintenance	100	-	0.11	-0.31	-1.64
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	-0.00	-0.01
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.50	-1.70	-8.34
Rillito, AZ	PM ₁₀	Moderate	100	-	0.02	-0.08	-0.38
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.38	-0.89	-4.87
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.06	-0.43	-1.85
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.02	-0.14	-0.61
Rochester, NY	Ozone	Former Subpart 1	50	-	0.53	-1.86	-9.08
Rocky Mount, NC	Ozone	Maintenance	100	-	0.04	-0.32	-1.32
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	-0.25	-0.93
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.00	-0.01	-0.02
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.80	-2.16	-11.32
Sacramento Metro, CA	Ozone	Severe	25	-	1.40	-4.10	-20.97
Sacramento, CA	CO	Maintenance	100	-	0.90	-2.43	-12.72
Salem, OR	CO	Maintenance	100	-	0.04	-0.20	-0.91
Salt Lake City, UT	CO	Maintenance	100	-	0.09	-0.31	-1.51
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.41	-1.51	-7.29
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.41	-1.51	-7.29
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.30	-3.62	-14.68
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.22	-0.57	-3.03
San Diego, CA	CO	Maintenance	100	-	2.28	-5.68	-30.48
San Diego, CA	Ozone	Former Subpart 1	50	-	2.28	-5.70	-30.54
San Francisco Bay Area, CA	Ozone	Marginal	50	-	3.10	-8.94	-45.93
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	3.53	-10.00	-51.66
San Joaquin Valley, CA	Ozone	Extreme	10	-	2.05	-7.21	-35.19
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	2.06	-7.23	-35.30
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	2.05	-7.21	-35.19
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.02	-0.05	-0.25
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.21	-1.03	-4.69
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.60	-5.65	-23.43
Sheboygan, WI	Ozone	Moderate	50	-	0.04	-0.19	-0.87
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.01	-0.07	-0.21
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.01	-0.02	-0.12
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.13	-0.73	-3.22
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.06	-0.20	-1.00
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.05	-0.58	-2.35
Spokane, WA	CO	Maintenance	100	-	0.05	-0.58	-2.33
Springfield (western MA), MA	Ozone	Moderate	50	-	0.43	-1.10	-5.83
Springfield, MA	CO	Maintenance	100	-	0.07	-0.18	-0.97
St Louis, MO	CO	Maintenance	100	-	0.14	-1.49	-6.12
St Louis, MO-IL	Ozone	Moderate	50	-	0.87	-4.48	-20.21
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.86	-4.46	-20.09
State College, PA	Ozone	Maintenance	100	-	0.09	-0.23	-1.19

Table B1-31
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Benzene 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	-0.04	-0.16
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.01	-0.11	-0.36
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.03	-0.24	-0.78
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.03	-0.24	-0.78
Stockton, CA	CO	Maintenance	100	-	0.22	-0.72	-3.60
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.08	-0.91	-3.72
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.01
Terre Haute, IN	Ozone	Maintenance	100	-	-0.02	-0.30	-1.02
Tioga County, PA	Ozone	Maintenance	100	-	0.02	-0.07	-0.36
Toledo, OH	Ozone	Maintenance	100	-	0.18	-0.80	-3.69
Toms River, NJ	CO	Maintenance	100	-	0.05	-0.13	-0.72
Tooele County, UT	SO _x	Nonattainment	100	-	-0.00	-0.23	-0.85
Trenton, NJ	CO	Maintenance	100	-	0.04	-0.11	-0.59
Trona, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.02
Tucson, AZ	CO	Maintenance	100	-	0.45	-1.44	-7.20
Utah County, UT	PM ₁₀	Moderate	100	-	0.18	-0.78	-3.63
Vancouver, WA	CO	Maintenance	100	-	0.12	-0.52	-2.42
Ventura County, CA	Ozone	Serious	50	-	0.46	-1.17	-6.23
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.00	-0.02	-0.07
Vigo County, IN	SO _x	Maintenance	100	-	-0.02	-0.30	-1.02
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.03	-0.07	-0.37
Warren County, NJ	SO _x	Maintenance	100	-	0.02	-0.05	-0.24
Warren County, PA	SO _x	Nonattainment	100	-	0.00	-0.02	-0.09
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.01	-0.43	-1.64
Washington, DC-MD-VA	CO	Maintenance	100	-	0.76	-2.01	-10.57
Washington, DC-MD-VA	Ozone	Moderate	50	-	2.67	-7.25	-37.92
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	2.64	-7.04	-37.01
Washoe County, NV	PM ₁₀	Serious	70	-	0.11	-0.31	-1.64
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.00	-0.01	-0.03
Wayne County, IN	SO _x	Maintenance	100	-	-0.00	-0.14	-0.52
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.02	-0.14	-0.62
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.02	-0.07
Weirton, WV	SO _x	Maintenance	100	-	-0.00	-0.03	-0.09
Wheeling, WV-OH	Ozone	Maintenance	100	-	-0.02	-0.33	-1.14
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.02	-0.33	-1.14
Winston-Salem, NC	CO	Maintenance	100	-	0.13	-0.65	-2.95
Worcester, MA	CO	Maintenance	100	-	0.11	-0.28	-1.53
Yakima County, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.21	-0.77
Yakima, WA	CO	Maintenance	100	-	-0.00	-0.09	-0.35
York, PA	Ozone	Maintenance	100	-	0.15	-0.70	-3.24
York, PA	PM _{2.5}	Nonattainment	100	-	0.13	-0.52	-2.48
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.19	-0.91	-4.16
Yuma, AZ	PM ₁₀	Moderate	100	-	0.08	-0.29	-1.40

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

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

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

Source: EPA, 2008.

Table B1-32
Emission Changes μ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Benzene 2060

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.02
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	-0.01	-0.04
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	-0.01	-0.04
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.04	-4.11	-15.18
Albuquerque, NM	CO	Maintenance	100	-	0.35	-1.22	-5.85
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.08	-0.39	-1.72
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.44	-1.08	-5.73
Altoona, PA	Ozone	Maintenance	100	-	0.04	-0.21	-0.93
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.20	-0.38	-2.18
Anchorage, AK	CO	Maintenance	100	-	-0.15	-0.79	-2.30
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	-0.02	-0.08
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	-0.01	-0.05
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	-0.02	-0.08
Atlanta, GA	Ozone	Moderate	50	-	5.12	-13.92	-71.50
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	5.12	-13.93	-71.53
Atlantic City, NJ	CO	Maintenance	100	-	0.04	-0.08	-0.45
Bakersfield, CA	CO	Maintenance	100	-	0.32	-0.99	-4.89
Baltimore, MD	CO	Maintenance	100	-	0.01	-0.02	-0.09
Baltimore, MD	Ozone	Moderate	50	-	2.56	-5.32	-29.77
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	2.56	-5.32	-29.77
Baton Rouge, LA	Ozone	Moderate	50	-	0.20	-1.94	-7.90
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	0.09	-1.01	-4.05
Benton County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Benton Harbor, MI	Ozone	Maintenance	100	-	0.03	-0.44	-1.69
Benzie County, MI	Ozone	Maintenance	100	-	0.01	-0.07	-0.30
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.06	-0.40	-1.68
Billings, MT	CO	Maintenance	100	-	0.01	-0.22	-0.83
Birmingham, AL	Ozone	Maintenance	100	-	0.61	-1.91	-9.42
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.61	-1.91	-9.46
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.10	-0.96	-3.89
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.10	-0.96	-3.89
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	-0.06	-0.24
Boston, MA	CO	Maintenance	100	-	0.68	-1.39	-7.80
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	4.25	-8.51	-48.27
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.57	-1.13	-6.43
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.02	-0.07	-0.16
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.76	-2.10	-10.73
Burlington, NJ	CO	Maintenance	100	-	0.00	-0.01	-0.04
Butte, MT	PM ₁₀	Moderate	100	-	-0.03	-0.10	-0.27
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	-0.07	-0.27
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.13	-0.62	-2.78
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.13	-0.62	-2.78
Case County, MI	Ozone	Maintenance	100	-	0.02	-0.10	-0.44
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.00	-0.02	-0.06
Charleston, WV	Ozone	Maintenance	100	-	0.15	-0.47	-2.33

Table B1-32
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Benzene 2060

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.15	-0.47	-2.33
Charlotte, NC	CO	Maintenance	100	-	0.63	-1.44	-7.79
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	1.18	-3.52	-17.62
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.10	-1.49	-5.85
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.10	-1.37	-5.40
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	5.67	-12.99	-70.34
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	5.81	-13.53	-72.87
Chico, CA	CO	Maintenance	100	-	0.11	-0.27	-1.45
Chico, CA	Ozone	Former Subpart 1	50	-	0.24	-0.57	-3.05
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	1.33	-3.86	-19.49
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	1.30	-3.71	-18.81
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	-0.02	-0.10
Clark County, NV	PM ₁₀	Serious	70	-	1.42	-3.15	-17.23
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.02	-0.87	-3.26
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.02	-0.51	-1.96
Cleveland, OH	CO	Maintenance	100	-	0.40	-1.73	-7.92
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	1.58	-4.81	-23.93
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	1.44	-4.40	-21.89
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.71	-1.32	-7.70
Colbert County, AL	SO _x	Maintenance	100	-	0.00	-0.15	-0.57
Colorado Springs, CO	CO	Maintenance	100	-	0.34	-1.53	-6.96
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	-0.02	-0.07
Columbia, SC	Ozone	Former Subpart 1	50	-	0.16	-1.82	-7.29
Columbus, OH	Ozone	Maintenance	100	-	1.16	-3.81	-18.59
Columbus, OH	PM _{2.5}	Nonattainment	100	-	1.11	-3.49	-17.21
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	-0.00	-0.02
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.40	-1.73	-7.92
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.31	-1.56	-6.95
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	5.90	-14.55	-76.95
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.44	-1.61	-7.65
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.39	-1.41	-6.71
Denver Metro, CO	PM ₁₀	Maintenance	100	-	2.75	-5.55	-31.35
Denver-Boulder, CO	CO	Maintenance	100	-	2.62	-5.31	-29.98
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	3.10	-7.11	-38.49
Detroit, MI	CO	Maintenance	100	-	0.50	-2.94	-12.75
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	2.67	-9.71	-46.22
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	2.65	-9.47	-45.26
Door County, WI	Ozone	Former Subpart 1	50	-	0.03	-0.07	-0.38
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.02	-0.06	-0.32
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.02	-0.05	-0.26
Duluth, MN	CO	Maintenance	100	-	0.01	-0.22	-0.83
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.01	-0.05	-0.15
East Chicago, IN	CO	Maintenance	100	-	0.00	-0.00	-0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.14	-0.34	-1.81
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	-0.00	-0.01
El Paso County, TX	PM ₁₀	Moderate	100	-	0.31	-1.06	-5.10
El Paso, TX	CO	Maintenance	100	-	0.02	-0.06	-0.30

Table B1-32
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Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Erie, PA	Ozone	Maintenance	100	-	0.13	-0.43	-2.08
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	-0.00	-0.02
Eugene-Springfield, OR	CO	Maintenance	100	-	-0.02	-0.82	-2.92
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-0.02	-0.79	-2.81
Evansville, IN	Ozone	Maintenance	100	-	0.13	-0.55	-2.52
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.12	-0.76	-3.29
Fairbanks, AK	CO	Maintenance	100	-	-0.03	-0.12	-0.32
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.21	-0.54	-2.84
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	-0.03	-0.10
Flint, MI	Ozone	Maintenance	100	-	0.31	-1.00	-4.87
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Fort Collins, CO	CO	Maintenance	100	-	0.12	-0.44	-2.09
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	0.06	-1.07	-4.13
Franklin County, PA	Ozone	Maintenance	100	-	0.05	-0.41	-1.71
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	-0.01	-0.45	-1.60
Fredericksburg, VA	Ozone	Maintenance	100	-	0.32	-0.99	-4.89
Freehold, NJ	CO	Maintenance	100	-	0.02	-0.04	-0.21
Fresno, CA	CO	Maintenance	100	-	0.53	-1.13	-6.24
Grand Rapids, MI	Ozone	Maintenance	100	-	0.53	-1.82	-8.75
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.03	-0.06	-0.32
Grant County, NM	SO _x	Maintenance	100	-	-0.00	-0.01	-0.03
Grants Pass, OR	CO	Maintenance	100	-	0.00	-0.00	-0.01
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	-0.12	-0.45
Great Falls, MT	CO	Maintenance	100	-	-0.00	-0.05	-0.18
Greater Connecticut, CT	Ozone	Moderate	50	-	1.15	-2.82	-14.93
Greeley, CO	CO	Maintenance	100	-	0.06	-0.33	-1.42
Green Bay, WI	SO _x	Maintenance	100	-	0.08	-0.26	-1.25
Greene County, IN	Ozone	Maintenance	100	-	0.01	-0.13	-0.53
Greene County, PA	Ozone	Maintenance	100	-	-0.00	-0.14	-0.51
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	1.03	-3.13	-15.56
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.54	-1.43	-7.41
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.11	-2.49	-9.51
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.01	-0.04	-0.22
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.07	-0.24	-1.15
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.67	-1.66	-8.76
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.61	-1.54	-8.10
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.75	-1.72	-9.32
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.01	-0.02	-0.11
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.03	-0.09	-0.45
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	-0.01	-0.05
Hazelwood, PA	SO _x	Maintenance	100	-	0.02	-0.09	-0.41
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.10	-0.33	-1.60
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.16	-0.57	-2.75
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	-0.00	-0.02
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	2.74	-14.09	-62.46
Humphreys County, TN	SO _x	Maintenance	100	-	-0.00	-0.01	-0.03

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-0.01	-0.89	-3.21
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-0.02	-0.47	-1.66
Huron County, MI	Ozone	Maintenance	100	-	0.00	-0.07	-0.29
Imperial County, CA	Ozone	Moderate	50	-	0.20	-0.46	-2.49
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.20	-0.45	-2.44
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.02	-0.06	-0.30
Indianapolis, IN	CO	Maintenance	100	-	0.00	-0.00	-0.01
Indianapolis, IN	Ozone	Maintenance	100	-	1.25	-4.44	-21.27
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	1.02	-3.49	-16.86
Jackson County, IN	Ozone	Maintenance	100	-	0.02	-0.20	-0.82
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.08	-0.32	-1.50
Jefferson County, NY	Ozone	Moderate	50	-	0.09	-0.22	-1.15
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.00	-0.02	-0.08
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-0.02	-0.69	-2.43
Johnstown, PA	Ozone	Maintenance	100	-	0.02	-0.20	-0.81
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.01	-0.24	-0.91
Juneau, AK	PM ₁₀	Moderate	100	-	-0.03	-0.10	-0.24
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.22	-1.13	-5.02
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	-0.10	-0.39
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.51	-4.74	-19.39
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.13	-0.24	-1.42
Kent, WA	PM ₁₀	Maintenance	100	-	0.01	-0.07	-0.31
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.05	-0.16	-0.79
Kewaunee County, WI	Ozone	Maintenance	100	-	0.01	-0.05	-0.23
King County, WA	PM ₁₀	Maintenance	100	-	0.00	-0.03	-0.12
Klamath Falls, OR	CO	Maintenance	100	-	-0.01	-0.18	-0.59
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.01	-0.18	-0.59
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.47	-3.43	-14.39
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.30	-2.68	-11.00
La Porte County, IN	SO _x	Maintenance	100	-	0.00	-0.10	-0.35
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.01	-0.07	-0.20
Lake County, IN	SO _x	Maintenance	100	-	0.20	-0.49	-2.60
Lake County, OH	SO _x	Maintenance	100	-	0.02	-0.06	-0.32
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.02	-0.08
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.04	-0.07	-0.39
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.08	-0.15	-0.90
Lake Tahoe, NV	CO	Maintenance	100	-	0.02	-0.03	-0.18
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.02	-0.06	-0.15
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
Lancaster, PA	Ozone	Maintenance	100	-	0.36	-0.80	-4.37
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.36	-0.80	-4.37
Lane County, OR	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.34	-0.87	-4.55
LaPorte, IN	Ozone	Maintenance	100	-	0.00	-0.27	-0.98
Las Vegas, NV	CO	Serious	100	-	1.42	-3.15	-17.23
Las Vegas, NV	Ozone	Former Subpart 1	50	-	1.44	-3.18	-17.41
Lauderdale County, AL	SO _x	Maintenance	100	-	0.06	-0.15	-0.76
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	-0.01	-0.02
Libby, MT	PM ₁₀	Moderate	100	-	0.00	-0.01	-0.04

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Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	-0.01	-0.06
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	-0.02	-0.10
Lima, OH	Ozone	Maintenance	100	-	-0.00	-0.32	-1.18
Longmont, CO	CO	Maintenance	100	-	0.10	-0.17	-1.01
Lorain County, OH	SO _x	Maintenance	100	-	0.03	-0.09	-0.45
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	12.94	-29.21	-158.92
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	12.94	-29.21	-158.92
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	12.94	-29.21	-158.92
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	12.94	-29.21	-158.92
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	12.94	-29.21	-158.92
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.61	-1.33	-7.31
Louisville, KY-IN	Ozone	Maintenance	100	-	0.69	-2.13	-10.58
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.64	-2.06	-10.11
Lowell, MA	CO	Maintenance	100	-	0.10	-0.21	-1.16
Lucas County, OH	SO _x	Maintenance	100	-	0.15	-0.56	-2.64
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.04	-0.10	-0.53
Macon, GA	Ozone	Maintenance	100	-	0.00	-0.57	-2.11
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.00	-0.57	-2.08
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	-0.01	-0.03
Madison, WI	SO _x	Maintenance	100	-	0.19	-0.57	-2.83
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.01	-0.03	-0.15
Manchester, NH	CO	Maintenance	100	-	0.05	-0.10	-0.59
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.07	-0.17	-0.90
Marion County, IN	SO _x	Maintenance	100	-	0.11	-0.69	-2.97
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.12	-0.25	-1.38
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.10	-0.83	-3.45
Mason County, MI	Ozone	Maintenance	100	-	0.01	-0.06	-0.28
Medford, OR	CO	Maintenance	100	-	0.07	-0.17	-0.90
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.17	-0.41	-2.18
Memphis, TN-AR	Ozone	Maintenance	100	-	0.42	-2.08	-9.31
Memphis, TN	CO	Maintenance	100	-	0.51	-1.70	-8.27
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.02	-0.06	-0.33
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	-0.01	-0.04
Milwaukee, WI	SO _x	Maintenance	100	-	0.29	-1.00	-4.84
Milwaukee-Racine, WI	Ozone	Moderate	50	-	1.22	-3.48	-17.66
Minneapolis-St Paul, MN	CO	Maintenance	100	-	1.43	-7.07	-31.59
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	1.39	-6.87	-30.67
Missoula, MT	CO	Maintenance	100	-	-0.02	-0.25	-0.83
Missoula, MT	PM ₁₀	Moderate	100	-	-0.02	-0.25	-0.80
Modesto, CA	CO	Maintenance	100	-	0.26	-0.73	-3.72
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.10	-0.24	-1.26
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.02
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	-0.01	-0.03
Morristown, NJ	CO	Maintenance	100	-	0.03	-0.07	-0.38
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	-0.08	-0.30
Muncie, IN	Ozone	Maintenance	100	-	-0.06	-0.41	-1.26
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	-0.02	-0.07
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	-0.05	-0.18
Muskegon, MI	Ozone	Maintenance	100	-	0.05	-0.33	-1.40
Nashua, NH	CO	Maintenance	100	-	0.04	-0.08	-0.48

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Nashville, TN	Ozone	Former Subpart 1	50	-	1.20	-3.39	-17.24
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.16	-0.34	-1.89
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.12	-0.30	-1.57
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.54	-1.33	-7.02
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.00	-0.02	-0.07
New York County, NY	PM ₁₀	Moderate	100	-	-5.03	-10.95	-19.58
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-4.84	-33.54	-102.75
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.55	-46.39	-171.46
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.59	-45.89	-169.77
Nogales, AZ	PM ₁₀	Moderate	100	-	0.03	-0.08	-0.41
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	1.08	-2.88	-14.88
Ogden, UT	CO	Maintenance	100	-	0.05	-0.13	-0.64
Ogden, UT	PM ₁₀	Moderate	100	-	0.05	-0.13	-0.64
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.02
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.01	-0.04	-0.18
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.07	-0.26	-1.24
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	-0.01	-0.06
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.03	-0.37	-1.47
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.03	-0.37	-1.49
Payson, AZ	PM ₁₀	Maintenance	100	-	0.02	-0.04	-0.21
Penns Grove, NJ	CO	Maintenance	100	-	0.00	-0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.07	-0.16	-0.85
Perth Amboy, NJ	CO	Maintenance	100	-	0.08	-0.17	-0.94
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.25	-0.58	-3.12
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	2.56	-8.85	-42.64
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	4.17	-12.45	-62.30
Phoenix, AZ	CO	Maintenance	100	-	5.35	-10.69	-60.64
Phoenix, AZ	PM ₁₀	Serious	70	-	5.48	-10.97	-62.20
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	5.49	-11.00	-62.36
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	-0.02	-0.09
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Pittsburgh, PA	CO	Maintenance	100	-	0.02	-0.07	-0.33
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	1.01	-4.04	-18.83
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.97	-3.60	-17.04
Polk County, TN	SO _x	Maintenance	100	-	0.00	-0.06	-0.23
Polson, MT	PM ₁₀	Moderate	100	-	0.00	-0.01	-0.04
Portland, ME	Ozone	Maintenance	100	-	0.44	-0.97	-5.30
Portland, OR	CO	Maintenance	100	-	0.72	-2.28	-11.20
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.01	-0.15	-0.51
Poughkeepsie, NY	Ozone	Moderate	50	-	1.14	-2.94	-15.34
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	-0.02	-0.09
Providence (entire State), RI	Ozone	Moderate	50	-	0.62	-2.10	-10.18
Provo, UT	CO	Maintenance	100	-	0.13	-0.37	-1.86
Raleigh-Durham, NC	CO	Maintenance	100	-	1.13	-2.57	-13.97

Table B1-32
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Benzene 2060

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	1.50	-3.55	-19.05
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.02
Reading, PA	Ozone	Maintenance	100	-	0.21	-0.64	-3.18
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.21	-0.64	-3.18
Reno, NV	CO	Maintenance	100	-	0.19	-0.42	-2.30
Rhinelander (Oneida County), WI	SO _x	Maintenance	100	-	0.00	-0.00	-0.02
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.87	-2.23	-11.65
Rillito, AZ	PM ₁₀	Moderate	100	-	0.05	-0.11	-0.58
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.71	-1.32	-7.70
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.12	-0.55	-2.51
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.05	-0.19	-0.86
Rochester, NY	Ozone	Former Subpart 1	50	-	0.91	-2.47	-12.68
Rocky Mount, NC	Ozone	Maintenance	100	-	0.07	-0.41	-1.79
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.03	-0.32	-1.28
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	-0.01	-0.03
Sacramento County, CA	PM ₁₀	Moderate	100	-	1.51	-3.15	-17.60
Sacramento Metro, CA	Ozone	Severe	25	-	2.72	-6.00	-32.90
Sacramento, CA	CO	Maintenance	100	-	1.70	-3.54	-19.80
Salem, OR	CO	Maintenance	100	-	0.08	-0.26	-1.24
Salt Lake City, UT	CO	Maintenance	100	-	0.16	-0.42	-2.18
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.76	-2.02	-10.43
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.76	-2.02	-10.43
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.87	-4.77	-20.92
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.39	-0.78	-4.39
San Diego, CA	CO	Maintenance	100	-	4.16	-8.19	-46.74
San Diego, CA	Ozone	Former Subpart 1	50	-	4.17	-8.21	-46.83
San Francisco Bay Area, CA	Ozone	Marginal	50	-	5.63	-12.44	-68.18
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	6.36	-13.87	-76.35
San Joaquin Valley, CA	Ozone	Extreme	10	-	4.07	-10.28	-53.98
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	4.08	-10.31	-54.10
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	4.07	-10.28	-53.98
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.03	-0.07	-0.38
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.39	-1.36	-6.54
Seattle-Tacoma, WA	CO	Maintenance	100	-	1.52	-7.55	-33.70
Sheboygan, WI	Ozone	Moderate	50	-	0.07	-0.26	-1.24
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.01	-0.09	-0.28
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.02	-0.03	-0.17
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.24	-0.96	-4.48
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.09	-0.22	-1.14
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.14	-0.77	-3.36
Spokane, WA	CO	Maintenance	100	-	0.13	-0.76	-3.32
Springfield (western MA), MA	Ozone	Moderate	50	-	0.71	-1.45	-8.16
Springfield, MA	CO	Maintenance	100	-	0.12	-0.26	-1.44
St Louis, MO	CO	Maintenance	100	-	0.23	-1.89	-7.82
St Louis, MO-IL	Ozone	Moderate	50	-	1.54	-5.80	-27.40

Table B1-32
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Benzene 2060

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	1.53	-5.77	-27.23
State College, PA	Ozone	Maintenance	100	-	0.15	-0.31	-1.75
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.01	-0.05	-0.25
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.02	-0.15	-0.47
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.03	-0.31	-1.02
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.03	-0.31	-1.02
Stockton, CA	CO	Maintenance	100	-	0.44	-1.07	-5.69
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.17	-1.19	-5.06
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.02
Terre Haute, IN	Ozone	Maintenance	100	-	-0.01	-0.37	-1.31
Tioga County, PA	Ozone	Maintenance	100	-	0.03	-0.09	-0.48
Toledo, OH	Ozone	Maintenance	100	-	0.31	-1.03	-5.00
Toms River, NJ	CO	Maintenance	100	-	0.10	-0.19	-1.11
Tooele County, UT	SO _x	Nonattainment	100	-	0.02	-0.30	-1.18
Trenton, NJ	CO	Maintenance	100	-	0.07	-0.15	-0.85
Trona, CA	PM ₁₀	Moderate	100	-	0.00	-0.01	-0.04
Tucson, AZ	CO	Maintenance	100	-	0.83	-1.99	-10.62
Utah County, UT	PM ₁₀	Moderate	100	-	0.36	-1.06	-5.32
Vancouver, WA	CO	Maintenance	100	-	0.24	-0.73	-3.64
Ventura County, CA	Ozone	Serious	50	-	0.84	-1.70	-9.60
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.01	-0.03	-0.09
Vigo County, IN	SO _x	Maintenance	100	-	-0.01	-0.37	-1.31
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.04	-0.09	-0.51
Warren County, NJ	SO _x	Maintenance	100	-	0.03	-0.06	-0.34
Warren County, PA	SO _x	Nonattainment	100	-	0.01	-0.02	-0.12
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.06	-0.55	-2.23
Washington, DC-MD-VA	CO	Maintenance	100	-	1.32	-2.81	-15.59
Washington, DC-MD-VA	Ozone	Moderate	50	-	4.77	-9.99	-55.74
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	4.69	-9.70	-54.36
Washoe County, NV	PM ₁₀	Serious	70	-	0.19	-0.42	-2.30
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.00	-0.01	-0.05
Wayne County, IN	SO _x	Maintenance	100	-	-0.00	-0.19	-0.69
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.02	-0.35	-1.38
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.03	-0.08
Weirton, WV	SO _x	Maintenance	100	-	-0.01	-0.04	-0.11
Wheeling, WV-OH	Ozone	Maintenance	100	-	-0.02	-0.42	-1.47
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.02	-0.42	-1.47
Winston-Salem, NC	CO	Maintenance	100	-	0.25	-0.86	-4.15
Worcester, MA	CO	Maintenance	100	-	0.20	-0.41	-2.31
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.02	-0.27	-1.06
Yakima, WA	CO	Maintenance	100	-	0.01	-0.13	-0.52

Table B1-32
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Benzene 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
York, PA	Ozone	Maintenance	100	-	0.30	-0.94	-4.65
York, PA	PM _{2.5}	Nonattainment	100	-	0.25	-0.70	-3.55
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.31	-1.15	-5.45
Yuma, AZ	PM ₁₀	Moderate	100	-	0.15	-0.40	-2.09

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

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

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

Source: EPA, 2008.

Table B1-33
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Butadiene 2021

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.01	0.02	0.04
Albuquerque, NM	CO	Maintenance	100	-	0.01	0.01	0.02
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.01	0.01	0.02
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Anchorage, AK	CO	Maintenance	100	-	0.00	0.00	0.00
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	0.06	0.08	0.18
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.06	0.08	0.18
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Bakersfield, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.00
Baltimore, MD	Ozone	Moderate	50	-	0.03	0.04	0.08
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.03	0.04	0.08
Baton Rouge, LA	Ozone	Moderate	50	-	-0.02	-0.02	-0.05
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.08	-0.11	-0.22
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.00	0.00
Billings, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Birmingham, AL	Ozone	Maintenance	100	-	0.01	0.01	0.03
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.03
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.00	0.00	0.01
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Boston, MA	CO	Maintenance	100	-	0.01	0.01	0.02
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.05	0.06	0.14
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.01	0.01	0.02
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.01	0.01	0.03
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.00	0.00	0.01
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.00	0.00	0.01
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Charlotte, NC	CO	Maintenance	100	-	0.01	0.01	0.02
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.01	0.02	0.04

Table B1-33
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Butadiene 2021

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.02
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.01
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.06	0.08	0.19
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.07	0.09	0.20
Chico, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Chico, CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.02	0.02	0.05
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.02	0.02	0.05
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.01	0.02	0.04
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.00	0.00	0.01
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Cleveland, OH	CO	Maintenance	100	-	0.01	0.01	0.03
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.02	0.03	0.07
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.07
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.01	0.01	0.02
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Colorado Springs, CO	CO	Maintenance	100	-	0.01	0.01	0.02
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.01	0.01	0.02
Columbus, OH	Ozone	Maintenance	100	-	0.02	0.02	0.05
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.04
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.01	0.01	0.03
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.01	0.01	0.02
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.06	0.08	0.19
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.01	0.01	0.02
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.02
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.03	0.04	0.08
Denver-Boulder, CO	CO	Maintenance	100	-	0.03	0.03	0.08
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.03	0.04	0.10
Detroit, MI	CO	Maintenance	100	-	0.01	0.02	0.04
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.04	0.06	0.13
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.04	0.06	0.12
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Duluth, MN	CO	Maintenance	100	-	0.00	0.00	0.00
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.00
Erie, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00

Table B1-33
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Butadiene 2021

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Eugene-Springfield, OR	CO	Maintenance	100	-	0.00	0.00	0.01
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Evansville, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	0.00	0.01	0.01
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.00	0.00	0.00
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Franklin County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Fredericksburg, VA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Fresno, CA	CO	Maintenance	100	-	0.01	0.01	0.02
Grand Rapids, MI	Ozone	Maintenance	100	-	0.01	0.01	0.02
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	0.02	0.02	0.05
Greeley, CO	CO	Maintenance	100	-	0.00	0.00	0.00
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.01	0.02	0.04
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.02
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.01	0.01	0.02
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.00	0.00
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.01	0.01	0.02
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.02
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.01	0.01	0.03
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.12	-0.17	-0.32
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.00	0.00	0.00
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00

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Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Imperial County, CA	Ozone	Moderate	50	-	0.00	0.00	0.01
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.01
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.02	0.02	0.05
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.04
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.00	0.00
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.00	0.01	0.01
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.02	0.02	0.05
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.00	0.00
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.00
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.01	0.01	0.03
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.02
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.00
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.00	0.01	0.01
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.01
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.00	0.01	0.01
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Las Vegas, NV	CO	Serious	100	-	0.01	0.02	0.04
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.01	0.02	0.04
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Lima, OH	Ozone	Maintenance	100	-	0.00	0.00	0.00

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Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Longmont, CO	CO	Maintenance	100	-	0.00	0.00	0.00
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.14	0.18	0.41
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	0.14	0.18	0.41
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.14	0.18	0.41
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.14	0.18	0.41
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.14	0.18	0.41
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.01	0.01	0.02
Louisville, KY-IN	Ozone	Maintenance	100	-	0.01	0.01	0.03
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.03
Lowell, MA	CO	Maintenance	100	-	0.00	0.00	0.00
Lucas County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Macon, GA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.00	0.00	0.01
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Manchester, NH	CO	Maintenance	100	-	0.00	0.00	0.00
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Marion County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Medford, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Memphis, TN-AR	Ozone	Maintenance	100	-	0.01	0.01	0.03
Memphis, TN	CO	Maintenance	100	-	0.01	0.01	0.03
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.00	0.01	0.01
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.02	0.02	0.05
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.02	0.03	0.07
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.03	0.03	0.08
Missoula, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Modesto, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	0.00
Nashville, TN	Ozone	Former Subpart 1	50	-	0.01	0.02	0.04

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Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.01	0.01	0.02
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.07	0.10	0.22
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.14	0.18	0.41
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.14	0.18	0.41
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.01	0.02	0.04
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	0.00
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Philadelaphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.04
Philidelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.03	0.04	0.09
Phoenix, AZ	CO	Maintenance	100	-	0.04	0.05	0.12
Phoenix, AZ	PM ₁₀	Serious	70	-	0.04	0.06	0.12
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.04	0.06	0.12
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.00
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.02	0.02	0.06
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.02	0.05
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.01	0.01	0.02
Portland, OR	CO	Maintenance	100	-	0.01	0.01	0.03
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Poughkeepsie, NY	Ozone	Moderate	50	-	0.01	0.02	0.04
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.01	0.01	0.03
Provo, UT	CO	Maintenance	100	-	0.00	0.00	0.00
Raleigh-Durham, NC	CO	Maintenance	100	-	0.01	0.02	0.03
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.02	0.02	0.05
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Reading, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Reno, NV	CO	Maintenance	100	-	0.00	0.00	0.01
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.01	0.01	0.03
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.01	0.01	0.02
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Rochester, NY	Ozone	Former Subpart 1	50	-	0.01	0.02	0.04
Rocky Mount, NC	Ozone	Maintenance	100	-	0.00	0.00	0.01
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.01	0.02	0.04
Sacramento Metro, CA	Ozone	Severe	25	-	0.02	0.03	0.07
Sacramento, CA	CO	Maintenance	100	-	0.01	0.02	0.04
Salem, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Salt Lake City, UT	CO	Maintenance	100	-	0.00	0.00	0.01
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.01	0.01	0.03
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.01	0.01	0.03
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.02	0.02	0.05
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
San Diego, CA	CO	Maintenance	100	-	0.04	0.05	0.11
San Diego, CA	Ozone	Former Subpart 1	50	-	0.04	0.05	0.11
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.02	0.02	0.07
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.03	0.03	0.09
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.04	0.05	0.12
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.04	0.05	0.12
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.04	0.05	0.12
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.01	0.01	0.02
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.03	0.03	0.08
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.00	0.00
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.00	0.01	0.01
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Spokane, WA	CO	Maintenance	100	-	0.00	0.00	0.01
Springfield (western MA), MA	Ozone	Moderate	50	-	0.01	0.01	0.02
Springfield, MA	CO	Maintenance	100	-	0.00	0.00	0.00
St Louis, MO	CO	Maintenance	100	-	0.01	0.01	0.03
St Louis, MO-IL	Ozone	Moderate	50	-	0.03	0.04	0.08
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.03	0.04	0.08
State College, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.00	0.00
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Stockton, CA	CO	Maintenance	100	-	0.00	0.01	0.01
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.00	0.01	0.01
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Toledo, OH	Ozone	Maintenance	100	-	0.01	0.01	0.02
Toms River, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Trenton, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.01	0.01	0.03
Utah County, UT	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
Vancouver, WA	CO	Maintenance	100	-	0.00	0.00	0.01
Ventura County, CA	Ozone	Serious	50	-	0.01	0.01	0.02
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	0.00
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Washington, DC-MD-VA	CO	Maintenance	100	-	0.01	0.02	0.04
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.05	0.06	0.15
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.05	0.06	0.14
Washoe County, NV	PM ₁₀	Serious	70	-	0.00	0.00	0.01
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Winston-Salem, NC	CO	Maintenance	100	-	0.00	0.00	0.01
Worcester, MA	CO	Maintenance	100	-	0.00	0.00	0.01
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	0.00
York, PA	Ozone	Maintenance	100	-	0.00	0.01	0.01
York, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.01	0.01	0.02
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00

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

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

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

Source: EPA, 2008.

Table B1-34
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Butadiene 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.04	0.05	-0.02
Albuquerque, NM	CO	Maintenance	100	-	0.02	0.02	-0.01
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.01	-0.00
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.02	0.02	-0.01
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.00
Anchorage, AK	CO	Maintenance	100	-	0.00	0.01	-0.00
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Atlanta, GA	Ozone	Moderate	50	-	0.20	0.24	-0.08
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.20	0.24	-0.08
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Bakersfield, CA	CO	Maintenance	100	-	0.01	0.01	-0.01
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	-0.00
Baltimore, MD	Ozone	Moderate	50	-	0.09	0.11	-0.04
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.09	0.11	-0.04
Baton Rouge, LA	Ozone	Moderate	50	-	-0.04	-0.06	-0.16
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.19	-0.30	-0.54
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.00
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.01	-0.00
Billings, MT	CO	Maintenance	100	-	0.00	0.00	-0.00
Birmingham, AL	Ozone	Maintenance	100	-	0.03	0.04	-0.01
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.03	0.04	-0.01
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.01	0.01	-0.00
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.00
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Boston, MA	CO	Maintenance	100	-	0.03	0.03	-0.01
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.15	0.19	-0.06
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.02	0.02	-0.01
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.03	0.04	-0.01
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.01	0.01	-0.00
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.00
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Charleston, WV	Ozone	Maintenance	100	-	0.01	0.01	-0.00

Table B1-34
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
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Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.00
Charlotte, NC	CO	Maintenance	100	-	0.02	0.03	-0.01
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.05	0.06	-0.02
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.02	0.02	-0.01
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.02	0.02	-0.01
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.21	0.25	-0.09
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.22	0.26	-0.09
Chico, CA	CO	Maintenance	100	-	0.00	0.00	-0.00
Chico, CA	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.00
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.06	0.07	-0.02
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.06	0.07	-0.02
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.05	0.05	-0.02
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.01	0.01	-0.00
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.00
Cleveland, OH	CO	Maintenance	100	-	0.03	0.03	-0.01
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.08	0.09	-0.03
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.07	0.09	-0.03
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.02	0.02	-0.01
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Colorado Springs, CO	CO	Maintenance	100	-	0.02	0.02	-0.01
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.02	0.02	-0.01
Columbus, OH	Ozone	Maintenance	100	-	0.05	0.06	-0.02
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.05	0.06	-0.02
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.03	0.03	-0.01
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.02	0.03	-0.01
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.21	0.25	-0.08
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.03	0.03	-0.01
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.02	0.03	-0.01
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.09	0.11	-0.04
Denver-Boulder, CO	CO	Maintenance	100	-	0.09	0.10	-0.03
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.11	0.13	-0.04
Detroit, MI	CO	Maintenance	100	-	0.05	0.06	-0.02
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.14	0.17	-0.06
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.14	0.16	-0.05
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Duluth, MN	CO	Maintenance	100	-	0.00	0.00	-0.00
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.00
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.01	0.02	-0.01
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	-0.00

Table B1-34
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Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Erie, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.00
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.01	0.01	-0.00
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.01	0.01	-0.00
Evansville, IN	Ozone	Maintenance	100	-	0.01	0.01	-0.00
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.00
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	-0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.00
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Flint, MI	Ozone	Maintenance	100	-	0.02	0.02	-0.01
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	0.01	0.01	-0.00
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.01	0.01	-0.00
Franklin County, PA	Ozone	Maintenance	100	-	0.00	0.01	-0.00
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Fredericksburg, VA	Ozone	Maintenance	100	-	0.01	0.02	-0.01
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Fresno, CA	CO	Maintenance	100	-	0.02	0.02	-0.01
Grand Rapids, MI	Ozone	Maintenance	100	-	0.02	0.03	-0.01
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	-0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	0.05	0.06	-0.02
Greeley, CO	CO	Maintenance	100	-	0.00	0.00	-0.00
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.05	0.06	-0.02
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.02	0.03	-0.01
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.03	0.03	-0.01
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.03	0.03	-0.01
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.03	-0.01
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.03	0.04	-0.01
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.00
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.00
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.25	-0.44	-1.15
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00

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Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.00
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.00	0.01	-0.00
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Imperial County, CA	Ozone	Moderate	50	-	0.01	0.01	-0.00
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.01	0.01	-0.00
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.06	0.07	-0.02
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.05	0.06	-0.02
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.01	-0.00
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.00	-0.00
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.00
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.02	0.02	-0.01
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.05	0.06	-0.02
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.01	-0.00
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	-0.00
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	-0.00
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.04	0.04	-0.01
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.03	0.03	-0.01
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lake County, IN	SO _x	Maintenance	100	-	0.01	0.01	-0.00
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	-0.00
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	-0.00
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	-0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.01	0.02	-0.01
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	-0.01
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.01	0.02	-0.01
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Las Vegas, NV	CO	Serious	100	-	0.05	0.05	-0.02
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.05	0.06	-0.02
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00

Table B1-34
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Butadiene 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Lima, OH	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Longmont, CO	CO	Maintenance	100	-	0.00	0.00	-0.00
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.46	0.55	-0.19
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	0.46	0.55	-0.19
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.46	0.55	-0.19
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.46	0.55	-0.19
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.46	0.55	-0.19
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.02	0.03	-0.01
Louisville, KY-IN	Ozone	Maintenance	100	-	0.03	0.04	-0.01
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.03	0.04	-0.01
Lowell, MA	CO	Maintenance	100	-	0.00	0.00	-0.00
Lucas County, OH	SO _x	Maintenance	100	-	0.01	0.01	-0.00
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Macon, GA	Ozone	Maintenance	100	-	0.01	0.01	-0.00
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.00
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Madison, WI	SO _x	Maintenance	100	-	0.01	0.01	-0.00
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Manchester, NH	CO	Maintenance	100	-	0.00	0.00	-0.00
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Marion County, IN	SO _x	Maintenance	100	-	0.01	0.01	-0.00
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.00
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Medford, OR	CO	Maintenance	100	-	0.00	0.00	-0.00
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.00
Memphis, TN-AR	Ozone	Maintenance	100	-	0.03	0.04	-0.01
Memphis, TN	CO	Maintenance	100	-	0.03	0.03	-0.01
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.02	0.02	-0.01
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.05	0.06	-0.02
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.08	0.09	-0.06
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.08	0.10	-0.03
Missoula, MT	CO	Maintenance	100	-	0.00	0.00	-0.00
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Modesto, CA	CO	Maintenance	100	-	0.01	0.01	-0.00
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	-0.00

Table B1-34
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Butadiene 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Nashville, TN	Ozone	Former Subpart 1	50	-	0.05	0.06	-0.02
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	-0.00
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.00
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.02	0.03	-0.01
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.01	0.02	-0.01
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.24	0.28	-0.09
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.45	0.54	-0.18
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.45	0.53	-0.18
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.05	0.06	-0.02
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	-0.00
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.01	-0.00
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	-0.00
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.01	0.01	-0.00
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.06	0.04	-0.25
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.12	0.12	-0.28
Phoenix, AZ	CO	Maintenance	100	-	0.14	0.17	-0.06
Phoenix, AZ	PM ₁₀	Serious	70	-	0.15	0.18	-0.06
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.15	0.18	-0.06
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	-0.00
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.06	0.07	-0.02
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.06	0.07	-0.02
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Portland, ME	Ozone	Maintenance	100	-	0.02	0.02	-0.01
Portland, OR	CO	Maintenance	100	-	0.03	0.04	-0.02
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Poughkeepsie, NY	Ozone	Moderate	50	-	0.04	0.05	-0.02
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.03	0.04	-0.01
Provo, UT	CO	Maintenance	100	-	0.00	0.01	-0.00
Raleigh-Durham, NC	CO	Maintenance	100	-	0.04	0.05	-0.02

Table B1-34
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Butadiene 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.05	0.06	-0.02
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Reading, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.00
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.00
Reno, NV	CO	Maintenance	100	-	0.01	0.01	-0.00
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.04	0.04	-0.01
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.02	0.02	-0.01
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.00
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Rochester, NY	Ozone	Former Subpart 1	50	-	0.04	0.05	-0.02
Rocky Mount, NC	Ozone	Maintenance	100	-	0.01	0.01	-0.00
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.05	0.05	-0.02
Sacramento Metro, CA	Ozone	Severe	25	-	0.08	0.10	-0.03
Sacramento, CA	CO	Maintenance	100	-	0.05	0.06	-0.02
Salem, OR	CO	Maintenance	100	-	0.00	0.00	-0.00
Salt Lake City, UT	CO	Maintenance	100	-	0.01	0.01	-0.00
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.03	0.04	-0.01
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.03	0.04	-0.01
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.06	0.07	-0.02
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.01	0.02	-0.01
San Diego, CA	CO	Maintenance	100	-	0.13	0.15	-0.05
San Diego, CA	Ozone	Former Subpart 1	50	-	0.13	0.15	-0.05
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.10	0.09	-0.32
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.12	0.12	-0.33
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.13	0.16	-0.06
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.14	0.16	-0.06
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.13	0.16	-0.06
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.02	0.02	-0.01
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.09	0.10	-0.04
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.00	-0.00
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.01	0.02	-0.01
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.00
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.00
Spokane, WA	CO	Maintenance	100	-	0.01	0.01	-0.00
Springfield (western MA), MA	Ozone	Moderate	50	-	0.03	0.03	-0.01
Springfield, MA	CO	Maintenance	100	-	0.00	0.01	-0.00
St Louis, MO	CO	Maintenance	100	-	0.03	0.03	-0.01
St Louis, MO-IL	Ozone	Moderate	50	-	0.09	0.11	-0.04

Table B1-34
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Butadiene 2025

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.09	0.11	-0.04
State College, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.00
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Stockton, CA	CO	Maintenance	100	-	0.01	0.02	-0.01
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.02	0.02	-0.01
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Toledo, OH	Ozone	Maintenance	100	-	0.02	0.02	-0.01
Toms River, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Trenton, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Tucson, AZ	CO	Maintenance	100	-	0.03	0.04	-0.01
Utah County, UT	PM ₁₀	Moderate	100	-	0.01	0.02	-0.01
Vancouver, WA	CO	Maintenance	100	-	0.01	0.01	-0.00
Ventura County, CA	Ozone	Serious	50	-	0.03	0.03	-0.01
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	-0.00
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.00
Washington, DC-MD-VA	CO	Maintenance	100	-	0.05	0.06	-0.02
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.16	0.20	-0.07
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.16	0.19	-0.06
Washoe County, NV	PM ₁₀	Serious	70	-	0.01	0.01	-0.00
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.01	-0.00
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	-0.00
Winston-Salem, NC	CO	Maintenance	100	-	0.01	0.01	-0.00
Worcester, MA	CO	Maintenance	100	-	0.01	0.01	-0.00
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	-0.00

Table B1-34
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Butadiene 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
York, PA	Ozone	Maintenance	100	-	0.01	0.02	-0.01
York, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.00
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.02	0.02	-0.01
Yuma, AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.00

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

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

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

Source: EPA, 2008.

Table B1-35
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Butadiene 2040

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.17	0.01	-0.91
Albuquerque, NM	CO	Maintenance	100	-	0.08	0.00	-0.41
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.02	0.00	-0.11
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.08	0.00	-0.42
Altoona, PA	Ozone	Maintenance	100	-	0.01	0.00	-0.07
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.03	0.00	-0.14
Anchorage, AK	CO	Maintenance	100	-	0.02	0.00	-0.11
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Atlanta, GA	Ozone	Moderate	50	-	0.91	0.04	-4.99
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.91	0.04	-4.99
Atlantic City, NJ	CO	Maintenance	100	-	0.01	0.00	-0.04
Bakersfield, CA	CO	Maintenance	100	-	0.05	-0.01	-0.35
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	-0.01
Baltimore, MD	Ozone	Moderate	50	-	0.40	0.02	-2.18
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.40	0.02	-2.18
Baton Rouge, LA	Ozone	Moderate	50	-	-0.06	-0.26	-0.91
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.47	-0.90	-1.66
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.02	0.00	-0.12
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.02
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.02	0.00	-0.11
Billings, MT	CO	Maintenance	100	-	0.01	0.00	-0.05
Birmingham, AL	Ozone	Maintenance	100	-	0.13	0.01	-0.69
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.13	0.01	-0.70
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.04	0.00	-0.24
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.04	0.00	-0.24
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Boston, MA	CO	Maintenance	100	-	0.11	0.00	-0.59
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.67	0.03	-3.63
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.09	0.00	-0.48
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	-0.00	-0.01
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.15	0.01	-0.80
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.04	0.00	-0.20
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.04	0.00	-0.20
Case County, MI	Ozone	Maintenance	100	-	0.01	0.00	-0.03
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Charleston, WV	Ozone	Maintenance	100	-	0.03	0.00	-0.18
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.03	0.00	-0.18
Charlotte, NC	CO	Maintenance	100	-	0.10	0.00	-0.55
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.22	0.01	-1.22

Table B1-35
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Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.07	0.00	-0.38
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.06	0.00	-0.35
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.93	0.03	-5.13
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.97	0.04	-5.31
Chico, CA	CO	Maintenance	100	-	0.02	0.00	-0.09
Chico, CA	Ozone	Former Subpart 1	50	-	0.04	0.00	-0.20
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.26	0.01	-1.40
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.25	0.01	-1.36
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Clark County, NV	PM ₁₀	Serious	70	-	0.22	0.01	-1.18
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.04	0.00	-0.19
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.02	0.00	-0.12
Cleveland, OH	CO	Maintenance	100	-	0.11	0.01	-0.60
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.32	0.01	-1.76
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.30	0.01	-1.62
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.10	0.00	-0.53
Colbert County, AL	SO _x	Maintenance	100	-	0.01	0.00	-0.04
Colorado Springs, CO	CO	Maintenance	100	-	0.08	0.00	-0.45
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.08	0.00	-0.46
Columbus, OH	Ozone	Maintenance	100	-	0.23	0.01	-1.26
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.21	0.01	-1.17
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.11	0.01	-0.60
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.09	0.00	-0.50
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.98	0.04	-5.33
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.10	0.00	-0.56
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.09	0.00	-0.50
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.41	0.02	-2.25
Denver-Boulder, CO	CO	Maintenance	100	-	0.39	0.02	-2.15
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.50	0.02	-2.71
Detroit, MI	CO	Maintenance	100	-	0.19	0.01	-1.02
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.60	0.03	-3.26
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.59	0.03	-3.20
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.03
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Duluth, MN	CO	Maintenance	100	-	0.01	0.00	-0.05
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.03	0.00	-0.14
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.06	0.00	-0.35
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	-0.02
Erie, PA	Ozone	Maintenance	100	-	0.03	0.00	-0.15
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Eugene-Springfield, OR	CO	Maintenance	100	-	0.03	0.00	-0.17
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.03	0.00	-0.16
Evansville, IN	Ozone	Maintenance	100	-	0.03	0.00	-0.18
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.04	0.00	-0.22
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	-0.01
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.04	0.00	-0.21
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Flint, MI	Ozone	Maintenance	100	-	0.07	0.00	-0.36
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	0.02	0.00	-0.14
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.05	0.00	-0.26
Franklin County, PA	Ozone	Maintenance	100	-	0.02	0.00	-0.11
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.02	0.00	-0.09
Fredericksburg, VA	Ozone	Maintenance	100	-	0.06	0.00	-0.32
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
Fresno, CA	CO	Maintenance	100	-	0.08	0.00	-0.45
Grand Rapids, MI	Ozone	Maintenance	100	-	0.11	0.00	-0.60
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.03
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.03
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	-0.01
Greater Connecticut, CT	Ozone	Moderate	50	-	0.21	0.01	-1.13
Greeley, CO	CO	Maintenance	100	-	0.02	0.00	-0.09
Green Bay, WI	SO _x	Maintenance	100	-	0.02	0.00	-0.09
Greene County, IN	Ozone	Maintenance	100	-	0.01	0.00	-0.03
Greene County, PA	Ozone	Maintenance	100	-	0.01	0.00	-0.03
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.21	0.01	-1.13
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.10	0.00	-0.55
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.11	0.01	-0.61
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.01	0.00	-0.08
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.11	0.01	-0.63
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.11	0.00	-0.58
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.13	0.01	-0.72
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	-0.01
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.01	0.00	-0.03
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.01	0.00	-0.03
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.02	0.00	-0.12
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.04	0.00	-0.20
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.31	-1.80	-6.95
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.04	-0.00	-0.20
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.02	-0.00	-0.11
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.02

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Imperial County, CA	Ozone	Moderate	50	-	0.03	0.00	-0.17
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.03	0.00	-0.17
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.27	0.01	-1.46
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.21	0.01	-1.16
Jackson County, IN	Ozone	Maintenance	100	-	0.01	0.00	-0.05
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.02	0.00	-0.11
Jefferson County, NY	Ozone	Moderate	50	-	0.02	0.00	-0.09
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.03	0.00	-0.15
Johnstown, PA	Ozone	Maintenance	100	-	0.01	0.00	-0.06
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.00	-0.07
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.06	0.00	-0.35
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.22	0.01	-1.22
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.02	0.00	-0.11
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.02
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.01	0.00	-0.06
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	-0.02
King County, WA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.01
Klamath Falls, OR	CO	Maintenance	100	-	0.01	0.00	-0.03
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.03
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.16	0.01	-0.90
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.13	0.01	-0.68
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	-0.02
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Lake County, IN	SO _x	Maintenance	100	-	0.04	0.00	-0.20
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	-0.03
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.01	0.00	-0.06
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	-0.01
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.06	0.00	-0.32
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.06	0.00	-0.32
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.06	0.00	-0.34
LaPorte, IN	Ozone	Maintenance	100	-	0.01	0.00	-0.06
Las Vegas, NV	CO	Serious	100	-	0.22	0.01	-1.18
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.22	0.01	-1.20
Lauderdale County, AL	SO _x	Maintenance	100	-	0.01	0.00	-0.06
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.01
Lima, OH	Ozone	Maintenance	100	-	0.01	0.00	-0.07

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Longmont, CO	CO	Maintenance	100	-	0.01	0.00	-0.07
Lorain County, OH	SO _x	Maintenance	100	-	0.01	0.00	-0.03
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	2.07	0.08	-11.38
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	2.07	0.08	-11.38
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	2.07	0.08	-11.38
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	2.07	0.08	-11.38
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	2.07	0.08	-11.37
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.10	0.00	-0.52
Louisville, KY-IN	Ozone	Maintenance	100	-	0.14	0.01	-0.78
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.14	0.01	-0.74
Lowell, MA	CO	Maintenance	100	-	0.02	0.00	-0.08
Lucas County, OH	SO _x	Maintenance	100	-	0.04	0.00	-0.20
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.04
Macon, GA	Ozone	Maintenance	100	-	0.03	0.00	-0.14
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.02	0.00	-0.13
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Madison, WI	SO _x	Maintenance	100	-	0.03	0.00	-0.19
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Manchester, NH	CO	Maintenance	100	-	0.01	0.00	-0.05
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.01	0.00	-0.07
Marion County, IN	SO _x	Maintenance	100	-	0.04	0.00	-0.21
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.02	0.00	-0.09
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.04	0.00	-0.23
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.02
Medford, OR	CO	Maintenance	100	-	0.01	0.00	-0.06
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.03	0.00	-0.15
Memphis, TN-AR	Ozone	Maintenance	100	-	0.12	0.00	-0.67
Memphis, TN	CO	Maintenance	100	-	0.11	0.00	-0.62
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.07	0.00	-0.36
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.23	0.01	-1.27
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.36	-0.03	-2.16
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.37	0.02	-2.04
Missoula, MT	CO	Maintenance	100	-	0.01	0.00	-0.04
Missoula, MT	PM ₁₀	Moderate	100	-	0.01	0.00	-0.04
Modesto, CA	CO	Maintenance	100	-	0.05	0.00	-0.25
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.02	0.00	-0.08
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	-0.03
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Muncie, IN	Ozone	Maintenance	100	-	0.01	0.00	-0.07
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Muskegon, MI	Ozone	Maintenance	100	-	0.02	0.00	-0.09
Nashua, NH	CO	Maintenance	100	-	0.01	0.00	-0.04
Nashville, TN	Ozone	Former Subpart 1	50	-	0.22	0.00	-1.21

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.02	0.00	-0.12
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.02	0.00	-0.11
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.10	0.00	-0.54
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.05	0.00	-0.30
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.99	0.05	-5.41
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	1.91	0.09	-10.44
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	1.90	0.09	-10.34
Nogales, AZ	PM ₁₀	Moderate	100	-	0.01	0.00	-0.03
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.20	0.01	-1.10
Ogden, UT	CO	Maintenance	100	-	0.01	0.00	-0.05
Ogden, UT	PM ₁₀	Moderate	100	-	0.01	0.00	-0.05
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.02	0.00	-0.08
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.02	0.00	-0.10
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.02	0.00	-0.10
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.01	0.00	-0.07
Perth Amboy, NJ	CO	Maintenance	100	-	0.01	0.00	-0.06
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.05	0.00	-0.25
Philadelaphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.37	-0.31	-3.59
Philidelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.64	-0.30	-5.05
Phoenix, AZ	CO	Maintenance	100	-	0.73	0.03	-4.00
Phoenix, AZ	PM ₁₀	Serious	70	-	0.75	0.03	-4.11
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.76	0.03	-4.13
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	-0.02
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.25	0.01	-1.36
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.23	0.01	-1.24
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Portland, ME	Ozone	Maintenance	100	-	0.07	0.00	-0.40
Portland, OR	CO	Maintenance	100	-	0.15	0.00	-0.82
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.03
Poughkeepsie, NY	Ozone	Moderate	50	-	0.19	0.01	-1.05
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Providence (entire State), RI	Ozone	Moderate	50	-	0.13	0.01	-0.71
Provo, UT	CO	Maintenance	100	-	0.02	0.00	-0.13
Raleigh-Durham, NC	CO	Maintenance	100	-	0.18	0.01	-0.99
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.25	0.01	-1.34
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00

Table B1-35
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Butadiene 2040

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Reading, PA	Ozone	Maintenance	100	-	0.04	0.00	-0.23
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.04	0.00	-0.23
Reno, NV	CO	Maintenance	100	-	0.03	0.00	-0.17
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.16	0.01	-0.86
Rillito, AZ	PM ₁₀	Moderate	100	-	0.01	0.00	-0.04
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.10	0.00	-0.53
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.03	0.00	-0.18
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.01	0.00	-0.06
Rochester, NY	Ozone	Former Subpart 1	50	-	0.17	0.01	-0.93
Rocky Mount, NC	Ozone	Maintenance	100	-	0.02	0.00	-0.13
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.02	0.00	-0.08
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.22	0.01	-1.20
Sacramento Metro, CA	Ozone	Severe	25	-	0.40	0.02	-2.20
Sacramento, CA	CO	Maintenance	100	-	0.25	0.01	-1.35
Salem, OR	CO	Maintenance	100	-	0.02	0.00	-0.09
Salt Lake City, UT	CO	Maintenance	100	-	0.03	-0.00	-0.16
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.14	0.00	-0.75
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.14	0.01	-0.75
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.25	0.01	-1.36
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.06	0.00	-0.32
San Diego, CA	CO	Maintenance	100	-	0.60	0.03	-3.26
San Diego, CA	Ozone	Former Subpart 1	50	-	0.60	0.03	-3.27
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.64	-0.38	-5.47
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.76	-0.37	-6.09
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.66	0.02	-3.63
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.66	0.02	-3.65
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.66	0.02	-3.63
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.03
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.09	0.00	-0.47
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.40	0.01	-2.23
Sheboygan, WI	Ozone	Moderate	50	-	0.02	0.00	-0.09
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.06	0.00	-0.32
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.02	0.00	-0.10
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.04	0.00	-0.22
Spokane, WA	CO	Maintenance	100	-	0.04	0.00	-0.22
Springfield (western MA), MA	Ozone	Moderate	50	-	0.11	0.01	-0.62
Springfield, MA	CO	Maintenance	100	-	0.02	0.00	-0.10
St Louis, MO	CO	Maintenance	100	-	0.11	0.00	-0.57
St Louis, MO-IL	Ozone	Moderate	50	-	0.37	0.02	-2.00
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.36	0.02	-1.98
State College, PA	Ozone	Maintenance	100	-	0.02	0.00	-0.13

Table B1-35
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Butadiene 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.01	0.00	-0.03
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.01	0.00	-0.06
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.01	0.00	-0.06
Stockton, CA	CO	Maintenance	100	-	0.07	0.00	-0.37
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.06	0.00	-0.35
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.02	0.00	-0.08
Tioga County, PA	Ozone	Maintenance	100	-	0.01	0.00	-0.04
Toledo, OH	Ozone	Maintenance	100	-	0.07	0.00	-0.37
Toms River, NJ	CO	Maintenance	100	-	0.01	0.00	-0.08
Tooele County, UT	SO _x	Nonattainment	100	-	0.01	0.00	-0.07
Trenton, NJ	CO	Maintenance	100	-	0.01	0.00	-0.06
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Tucson, AZ	CO	Maintenance	100	-	0.14	0.01	-0.75
Utah County, UT	PM ₁₀	Moderate	100	-	0.07	0.00	-0.36
Vancouver, WA	CO	Maintenance	100	-	0.04	0.00	-0.24
Ventura County, CA	Ozone	Serious	50	-	0.12	0.01	-0.66
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.02	0.00	-0.08
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.01	0.00	-0.04
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	-0.03
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.01
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.03	0.00	-0.15
Washington, DC-MD-VA	CO	Maintenance	100	-	0.21	0.01	-1.12
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.74	0.03	-4.02
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.72	0.03	-3.93
Washoe County, NV	PM ₁₀	Serious	70	-	0.03	0.00	-0.17
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.01	0.00	-0.05
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.06
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.02	0.00	-0.09
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.02	0.00	-0.09
Winston-Salem, NC	CO	Maintenance	100	-	0.05	0.00	-0.29
Worcester, MA	CO	Maintenance	100	-	0.03	0.00	-0.16
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.07
Yakima, WA	CO	Maintenance	100	-	0.01	0.00	-0.03
York, PA	Ozone	Maintenance	100	-	0.06	0.00	-0.32
York, PA	PM _{2.5}	Nonattainment	100	-	0.05	0.00	-0.25
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.08	0.00	-0.41
Yuma, AZ	PM ₁₀	Moderate	100	-	0.03	0.00	-0.14

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

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

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

Source: EPA, 2008.

Table B1-36
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Butadiene 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.27	0.03	-1.30
Albuquerque, NM	CO	Maintenance	100	-	0.12	0.01	-0.58
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.03	0.00	-0.16
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.12	0.01	-0.59
Altoona, PA	Ozone	Maintenance	100	-	0.02	0.00	-0.09
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.05	0.01	-0.23
Anchorage, AK	CO	Maintenance	100	-	0.03	0.00	-0.16
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Atlanta, GA	Ozone	Moderate	50	-	1.50	0.17	-7.33
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	1.51	0.17	-7.34
Atlantic City, NJ	CO	Maintenance	100	-	0.01	0.00	-0.05
Bakersfield, CA	CO	Maintenance	100	-	0.09	-0.00	-0.52
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	-0.01
Baltimore, MD	Ozone	Moderate	50	-	0.65	0.07	-3.16
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.65	0.07	-3.16
Baton Rouge, LA	Ozone	Moderate	50	-	-0.05	-0.33	-1.26
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.62	-1.20	-2.23
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.03	0.00	-0.15
Benzie County, MI	Ozone	Maintenance	100	-	0.01	0.00	-0.03
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.03	0.00	-0.16
Billings, MT	CO	Maintenance	100	-	0.01	0.00	-0.07
Birmingham, AL	Ozone	Maintenance	100	-	0.19	0.02	-0.95
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.20	0.02	-0.95
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.07	0.01	-0.35
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.07	0.01	-0.35
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Boston, MA	CO	Maintenance	100	-	0.17	0.02	-0.83
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	1.06	0.12	-5.15
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.14	0.02	-0.69
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	-0.00	-0.01
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.23	0.03	-1.10
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.05	0.01	-0.27
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.05	0.01	-0.27
Case County, MI	Ozone	Maintenance	100	-	0.01	0.00	-0.04
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Charleston, WV	Ozone	Maintenance	100	-	0.05	0.01	-0.23

Table B1-36
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Butadiene 2060

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.05	0.01	-0.23
Charlotte, NC	CO	Maintenance	100	-	0.17	0.02	-0.82
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.37	0.04	-1.79
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.11	0.01	-0.52
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.10	0.01	-0.48
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	1.51	0.16	-7.39
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	1.56	0.16	-7.64
Chico, CA	CO	Maintenance	100	-	0.03	0.00	-0.15
Chico, CA	Ozone	Former Subpart 1	50	-	0.07	0.01	-0.32
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.41	0.05	-1.98
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.39	0.04	-1.92
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Clark County, NV	PM ₁₀	Serious	70	-	0.37	0.04	-1.81
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.06	0.01	-0.28
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.04	0.00	-0.17
Cleveland, OH	CO	Maintenance	100	-	0.16	0.02	-0.77
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.50	0.06	-2.42
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.45	0.05	-2.21
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.17	0.02	-0.83
Colbert County, AL	SO _x	Maintenance	100	-	0.01	0.00	-0.05
Colorado Springs, CO	CO	Maintenance	100	-	0.14	0.02	-0.68
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Columbia, SC	Ozone	Former Subpart 1	50	-	0.13	0.02	-0.66
Columbus, OH	Ozone	Maintenance	100	-	0.38	0.04	-1.86
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.36	0.04	-1.74
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.16	0.02	-0.77
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.14	0.02	-0.67
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	1.64	0.18	-7.99
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.16	0.02	-0.76
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.14	0.02	-0.67
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.69	0.08	-3.34
Denver-Boulder, CO	CO	Maintenance	100	-	0.66	0.07	-3.19
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.83	0.09	-4.03
Detroit, MI	CO	Maintenance	100	-	0.25	0.03	-1.20
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.94	0.11	-4.58
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.92	0.10	-4.49
Door County, WI	Ozone	Former Subpart 1	50	-	0.01	0.00	-0.04
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.01	0.00	-0.03
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.01	0.00	-0.03
Duluth, MN	CO	Maintenance	100	-	0.01	0.00	-0.07
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.04	0.00	-0.19
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.10	0.01	-0.51
El Paso, TX	CO	Maintenance	100	-	0.01	0.00	-0.03

Table B1-36
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
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Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Erie, PA	Ozone	Maintenance	100	-	0.04	0.00	-0.21
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.05	0.01	-0.24
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.05	0.01	-0.23
Evansville, IN	Ozone	Maintenance	100	-	0.05	0.01	-0.25
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.06	0.01	-0.31
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	-0.02
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.06	0.01	-0.29
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Flint, MI	Ozone	Maintenance	100	-	0.10	0.01	-0.49
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	0.04	0.00	-0.21
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.07	0.01	-0.36
Franklin County, PA	Ozone	Maintenance	100	-	0.03	0.00	-0.16
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.03	0.00	-0.13
Fredericksburg, VA	Ozone	Maintenance	100	-	0.10	0.01	-0.49
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	-0.02
Fresno, CA	CO	Maintenance	100	-	0.14	0.02	-0.66
Grand Rapids, MI	Ozone	Maintenance	100	-	0.18	0.02	-0.87
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.03
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.04
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	-0.02
Greater Connecticut, CT	Ozone	Moderate	50	-	0.32	0.04	-1.55
Greeley, CO	CO	Maintenance	100	-	0.03	0.00	-0.13
Green Bay, WI	SO _x	Maintenance	100	-	0.03	0.00	-0.12
Greene County, IN	Ozone	Maintenance	100	-	0.01	0.00	-0.05
Greene County, PA	Ozone	Maintenance	100	-	0.01	0.00	-0.04
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.32	0.04	-1.57
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.16	0.02	-0.76
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.17	0.02	-0.83
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.02	0.00	-0.12
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.19	0.02	-0.91
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.17	0.02	-0.84
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.20	0.02	-0.98
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	-0.01
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.01	0.00	-0.05
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.01	0.00	-0.04
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.03	0.00	-0.16
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.06	0.01	-0.27
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.14	-2.23	-9.61
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00

Table B1-36
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Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.05	0.00	-0.27
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.03	0.00	-0.14
Huron County, MI	Ozone	Maintenance	100	-	0.01	0.00	-0.03
Imperial County, CA	Ozone	Moderate	50	-	0.05	0.01	-0.26
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.05	0.01	-0.26
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.03
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.43	0.05	-2.11
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.35	0.04	-1.68
Jackson County, IN	Ozone	Maintenance	100	-	0.02	0.00	-0.08
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.03	0.00	-0.15
Jefferson County, NY	Ozone	Moderate	50	-	0.02	0.00	-0.12
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.04	0.00	-0.20
Johnstown, PA	Ozone	Maintenance	100	-	0.02	0.00	-0.07
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.00	-0.08
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.10	0.01	-0.48
Kalispell, MT	PM ₁₀	Moderate	100	-	0.01	0.00	-0.03
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.36	0.04	-1.77
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.03	0.00	-0.15
Kent, WA	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.03
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.02	0.00	-0.08
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	-0.02
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Klamath Falls, OR	CO	Maintenance	100	-	0.01	0.00	-0.05
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.05
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.27	0.03	-1.33
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.21	0.02	-1.01
La Porte County, IN	SO _x	Maintenance	100	-	0.01	0.00	-0.03
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Lake County, IN	SO _x	Maintenance	100	-	0.06	0.01	-0.27
Lake County, OH	SO _x	Maintenance	100	-	0.01	0.00	-0.03
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.01	0.00	-0.04
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.02	0.00	-0.10
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	-0.02
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.09	0.01	-0.46
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.09	0.01	-0.46
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.10	0.01	-0.47
LaPorte, IN	Ozone	Maintenance	100	-	0.02	0.00	-0.08
Las Vegas, NV	CO	Serious	100	-	0.37	0.04	-1.81
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.38	0.04	-1.83
Lauderdale County, AL	SO _x	Maintenance	100	-	0.02	0.00	-0.08
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00

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Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.01
Lima, OH	Ozone	Maintenance	100	-	0.02	0.00	-0.10
Longmont, CO	CO	Maintenance	100	-	0.02	0.00	-0.11
Lorain County, OH	SO _x	Maintenance	100	-	0.01	0.00	-0.05
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	3.42	0.37	-16.72
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	3.42	0.37	-16.72
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	3.42	0.37	-16.72
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	3.42	0.37	-16.72
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	3.42	0.37	-16.72
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.16	0.02	-0.77
Louisville, KY-IN	Ozone	Maintenance	100	-	0.22	0.02	-1.07
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.21	0.02	-1.02
Lowell, MA	CO	Maintenance	100	-	0.03	0.00	-0.12
Lucas County, OH	SO _x	Maintenance	100	-	0.05	0.01	-0.26
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.05
Macon, GA	Ozone	Maintenance	100	-	0.04	0.00	-0.18
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.04	0.00	-0.18
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Madison, WI	SO _x	Maintenance	100	-	0.06	0.01	-0.29
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Manchester, NH	CO	Maintenance	100	-	0.01	0.00	-0.06
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.02	0.00	-0.09
Marion County, IN	SO _x	Maintenance	100	-	0.06	0.01	-0.28
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.03	0.00	-0.15
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.07	0.01	-0.32
Mason County, MI	Ozone	Maintenance	100	-	0.01	0.00	-0.03
Medford, OR	CO	Maintenance	100	-	0.02	0.00	-0.09
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.05	0.01	-0.23
Memphis, TN-AR	Ozone	Maintenance	100	-	0.18	0.02	-0.90
Memphis, TN	CO	Maintenance	100	-	0.17	0.02	-0.83
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.01	0.00	-0.03
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.10	0.01	-0.48
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.37	0.04	-1.80
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.59	0.01	-3.12
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.60	0.07	-2.94
Missoula, MT	CO	Maintenance	100	-	0.01	0.00	-0.06
Missoula, MT	PM ₁₀	Moderate	100	-	0.01	0.00	-0.06
Modesto, CA	CO	Maintenance	100	-	0.08	0.01	-0.38
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.03	0.00	-0.13
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Morristown, NJ	CO	Maintenance	100	-	0.01	0.00	-0.04
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.01	0.00	-0.03
Muncie, IN	Ozone	Maintenance	100	-	0.02	0.00	-0.09
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	-0.01
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Muskegon, MI	Ozone	Maintenance	100	-	0.03	0.00	-0.13
Nashua, NH	CO	Maintenance	100	-	0.01	0.00	-0.05

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Nashville, TN	Ozone	Former Subpart 1	50	-	0.36	0.03	-1.77
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.04	0.00	-0.20
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.03	0.00	-0.16
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.15	0.02	-0.73
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	-0.01
New York County, NY	PM ₁₀	Moderate	100	-	0.08	0.01	-0.39
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	1.53	0.17	-7.48
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	3.00	0.34	-14.64
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	2.98	0.34	-14.51
Nogales, AZ	PM ₁₀	Moderate	100	-	0.01	0.00	-0.04
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.31	0.04	-1.53
Ogden, UT	CO	Maintenance	100	-	0.01	0.00	-0.07
Ogden, UT	PM ₁₀	Moderate	100	-	0.01	0.00	-0.07
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.03	0.00	-0.12
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.01
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.03	0.00	-0.13
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.03	0.00	-0.13
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.02	0.00	-0.09
Perth Amboy, NJ	CO	Maintenance	100	-	0.02	0.00	-0.10
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.07	0.01	-0.33
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.61	-0.35	-4.94
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	1.04	-0.30	-7.01
Phoenix, AZ	CO	Maintenance	100	-	1.33	0.15	-6.47
Phoenix, AZ	PM ₁₀	Serious	70	-	1.36	0.15	-6.64
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	1.37	0.15	-6.65
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.01	0.00	-0.03
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.38	0.04	-1.85
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.35	0.04	-1.69
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Portland, ME	Ozone	Maintenance	100	-	0.11	0.01	-0.56
Portland, OR	CO	Maintenance	100	-	0.23	0.02	-1.14
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.04
Poughkeepsie, NY	Ozone	Moderate	50	-	0.33	0.04	-1.58
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Providence (entire State), RI	Ozone	Moderate	50	-	0.21	0.02	-1.02
Provo, UT	CO	Maintenance	100	-	0.04	0.00	-0.19
Raleigh-Durham, NC	CO	Maintenance	100	-	0.30	0.03	-1.47

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.41	0.05	-1.99
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Reading, PA	Ozone	Maintenance	100	-	0.07	0.01	-0.32
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.07	0.01	-0.32
Reno, NV	CO	Maintenance	100	-	0.05	0.01	-0.24
Rhinelander (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.25	0.03	-1.20
Rillito, AZ	PM ₁₀	Moderate	100	-	0.01	0.00	-0.06
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.17	0.02	-0.83
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.05	0.01	-0.24
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.02	0.00	-0.08
Rochester, NY	Ozone	Former Subpart 1	50	-	0.27	0.03	-1.30
Rocky Mount, NC	Ozone	Maintenance	100	-	0.03	0.00	-0.17
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.02	0.00	-0.11
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.38	0.04	-1.87
Sacramento Metro, CA	Ozone	Severe	25	-	0.71	0.08	-3.47
Sacramento, CA	CO	Maintenance	100	-	0.43	0.05	-2.10
Salem, OR	CO	Maintenance	100	-	0.03	0.00	-0.12
Salt Lake City, UT	CO	Maintenance	100	-	0.04	0.00	-0.23
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.22	0.02	-1.08
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.22	0.02	-1.07
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.41	0.05	-1.99
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.10	0.01	-0.47
San Diego, CA	CO	Maintenance	100	-	1.03	0.12	-5.00
San Diego, CA	Ozone	Former Subpart 1	50	-	1.03	0.12	-5.01
San Francisco Bay Area, CA	Ozone	Marginal	50	-	1.15	-0.39	-8.04
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	1.33	-0.37	-8.92
San Joaquin Valley, CA	Ozone	Extreme	10	-	1.14	0.11	-5.61
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	1.14	0.11	-5.63
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	1.14	0.11	-5.61
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.01	0.00	-0.04
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.13	0.02	-0.65
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.65	0.06	-3.25
Sheboygan, WI	Ozone	Moderate	50	-	0.03	0.00	-0.12
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	-0.02
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.09	0.01	-0.44
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.02	0.00	-0.12
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.07	0.01	-0.32
Spokane, WA	CO	Maintenance	100	-	0.06	0.01	-0.31
Springfield (western MA), MA	Ozone	Moderate	50	-	0.18	0.02	-0.87
Springfield, MA	CO	Maintenance	100	-	0.03	0.00	-0.15
St Louis, MO	CO	Maintenance	100	-	0.15	0.02	-0.72
St Louis, MO-IL	Ozone	Moderate	50	-	0.56	0.06	-2.71

Table B1-36
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Butadiene 2060

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.55	0.06	-2.69
State College, PA	Ozone	Maintenance	100	-	0.04	0.00	-0.19
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.01	0.00	-0.04
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.02	0.00	-0.08
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.02	0.00	-0.08
Stockton, CA	CO	Maintenance	100	-	0.12	0.01	-0.59
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.10	0.01	-0.47
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.02	0.00	-0.11
Tioga County, PA	Ozone	Maintenance	100	-	0.01	0.00	-0.05
Toledo, OH	Ozone	Maintenance	100	-	0.10	0.01	-0.50
Toms River, NJ	CO	Maintenance	100	-	0.02	0.00	-0.12
Tooele County, UT	SO _x	Nonattainment	100	-	0.02	0.00	-0.11
Trenton, NJ	CO	Maintenance	100	-	0.02	0.00	-0.09
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Tucson, AZ	CO	Maintenance	100	-	0.23	0.03	-1.11
Utah County, UT	PM ₁₀	Moderate	100	-	0.11	0.01	-0.54
Vancouver, WA	CO	Maintenance	100	-	0.08	0.01	-0.37
Ventura County, CA	Ozone	Serious	50	-	0.21	0.02	-1.02
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Vigo County, IN	SO _x	Maintenance	100	-	0.02	0.00	-0.11
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.01	0.00	-0.05
Warren County, NJ	SO _x	Maintenance	100	-	0.01	0.00	-0.04
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.01
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.04	0.00	-0.20
Washington, DC-MD-VA	CO	Maintenance	100	-	0.34	0.04	-1.65
Washington, DC-MD-VA	Ozone	Moderate	50	-	1.21	0.14	-5.91
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	1.19	0.13	-5.78
Washoe County, NV	PM ₁₀	Serious	70	-	0.05	0.01	-0.24
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.01	0.00	-0.06
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.03	0.00	-0.12
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.02	0.00	-0.12
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.02	0.00	-0.12
Winston-Salem, NC	CO	Maintenance	100	-	0.09	0.01	-0.41
Worcester, MA	CO	Maintenance	100	-	0.05	0.01	-0.25
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.02	0.00	-0.10
Yakima, WA	CO	Maintenance	100	-	0.01	0.00	-0.05

Table B1-36
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Butadiene 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
York, PA	Ozone	Maintenance	100	-	0.10	0.01	-0.47
York, PA	PM _{2.5}	Nonattainment	100	-	0.07	0.01	-0.36
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.11	0.01	-0.54
Yuma, AZ	PM ₁₀	Moderate	100	-	0.04	0.00	-0.22

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

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

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

Source: EPA, 2008.

Table B1-37
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
DPM 2021

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.05	0.15	1.26
Albuquerque, NM	CO	Maintenance	100	-	0.02	0.07	0.59
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.01	0.02	0.14
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.02	0.07	0.59
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.01	0.10
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.02	0.15
Anchorage, AK	CO	Maintenance	100	-	0.01	0.02	0.14
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Atlanta, GA	Ozone	Moderate	50	-	0.26	0.76	6.53
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.26	0.76	6.53
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.01	0.05
Bakersfield, CA	CO	Maintenance	100	-	-0.06	-0.06	0.20
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.01
Baltimore, MD	Ozone	Moderate	50	-	0.12	0.34	2.93
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.12	0.34	2.93
Baton Rouge, LA	Ozone	Moderate	50	-	-4.60	-6.33	-12.55
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-14.71	-20.39	-41.83
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.01	0.02	0.18
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.02
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.01	0.02	0.14
Billings, MT	CO	Maintenance	100	-	-2.44	-3.39	-6.95
Birmingham, AL	Ozone	Maintenance	100	-	-0.18	-0.18	0.39
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-0.18	-0.18	0.39
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.01	0.04	0.32
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.01	0.04	0.32
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Boston, MA	CO	Maintenance	100	-	0.03	0.10	0.85
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.20	0.59	5.06
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.03	0.07	0.64
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.01
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.05	0.13	1.15
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Canton-Massillon, OH	Ozone	Maintenance	100	-	-0.38	-0.51	-0.83
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-0.38	-0.51	-0.83
Case County, MI	Ozone	Maintenance	100	-	0.00	0.01	0.04
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.01
Charleston, WV	Ozone	Maintenance	100	-	0.01	0.03	0.28
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.28
Charlotte, NC	CO	Maintenance	100	-	0.03	0.08	0.72
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.06	0.19	1.61

Table B1-37
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
DPM 2021

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.02	0.06	0.55
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.02	0.06	0.49
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-6.58	-8.70	-12.71
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-6.57	-8.67	-12.47
Chico, CA	CO	Maintenance	100	-	0.00	0.01	0.10
Chico, CA	Ozone	Former Subpart 1	50	-	0.01	0.03	0.24
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.08	0.23	1.95
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.08	0.22	1.90
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Clark County, NV	PM ₁₀	Serious	70	-	0.06	0.17	1.43
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.01	0.03	0.25
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.01	0.02	0.18
Cleveland, OH	CO	Maintenance	100	-	0.04	0.11	0.96
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.10	0.30	2.58
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.10	0.28	2.38
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.02	0.07	0.60
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.01	0.06
Colorado Springs, CO	CO	Maintenance	100	-	0.02	0.07	0.57
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Columbia, SC	Ozone	Former Subpart 1	50	-	0.03	0.08	0.65
Columbus, OH	Ozone	Maintenance	100	-	0.07	0.19	1.63
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.06	0.18	1.51
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	-0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.04	0.11	0.96
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.03	0.09	0.78
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.27	0.79	6.73
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.03	0.10	0.84
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.03	0.09	0.75
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-2.89	-3.83	-5.71
Denver-Boulder, CO	CO	Maintenance	100	-	-2.89	-3.84	-5.84
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-2.86	-3.76	-5.12
Detroit, MI	CO	Maintenance	100	-	-2.26	-3.04	-5.05
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-2.84	-3.66	-4.09
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-2.85	-3.67	-4.17
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.04
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.04
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.03
Duluth, MN	CO	Maintenance	100	-	0.00	0.01	0.08
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	-5.41	-7.50	-15.34
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	-1.62	-2.22	-4.23
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.03
Erie, PA	Ozone	Maintenance	100	-	0.01	0.03	0.23
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00

Table B1-37
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
DPM 2021

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Eugene-Springfield, OR	CO	Maintenance	100	-	0.01	0.03	0.23
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.01	0.03	0.22
Evansville, IN	Ozone	Maintenance	100	-	0.01	0.03	0.25
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.01	0.04	0.33
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.02
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.01	0.03	0.29
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Flint, MI	Ozone	Maintenance	100	-	0.02	0.06	0.52
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.01	0.02	0.17
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.01	0.04	0.36
Franklin County, PA	Ozone	Maintenance	100	-	0.01	0.02	0.15
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.01	0.02	0.13
Fredericksburg, VA	Ozone	Maintenance	100	-	0.02	0.05	0.40
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.02
Fresno, CA	CO	Maintenance	100	-	0.02	0.07	0.57
Grand Rapids, MI	Ozone	Maintenance	100	-	0.03	0.09	0.79
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.04
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.02
Greater Connecticut, CT	Ozone	Moderate	50	-	0.07	0.19	1.65
Greeley, CO	CO	Maintenance	100	-	0.00	0.01	0.12
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.01	0.12
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.01	0.05
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.01	0.05
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.06	0.19	1.62
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.03	0.09	0.80
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.04	0.11	0.90
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.02
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.01	0.11
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.03	0.10	0.84
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.09	0.77
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.04	0.13	1.07
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.01
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.04
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	0.04
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.18
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.01	0.03	0.29
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-22.27	-30.55	-58.96
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-2.95	-4.08	-8.20
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-2.96	-4.10	-8.34
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.03

Table B1-37
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
DPM 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Imperial County, CA	Ozone	Moderate	50	-	0.01	0.02	0.21
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.01	0.02	0.20
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.08	0.23	1.97
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.06	0.18	1.56
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.01	0.08
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.01	0.02	0.16
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.01	0.12
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.01	0.03	0.22
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.01	0.11
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.12
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.02	0.06	0.50
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.07	0.19	1.63
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.01	0.02	0.14
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.08
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.02
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.01	0.05
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.05
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.05	0.13	1.15
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.04	0.10	0.90
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.04
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Lake County, IN	SO _x	Maintenance	100	-	0.01	0.04	0.31
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.04
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.03
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.01	0.06
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.02
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.02	0.05	0.44
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.05	0.44
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.02	0.06	0.47
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.01	0.10
Las Vegas, NV	CO	Serious	100	-	0.06	0.17	1.43
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.06	0.17	1.46
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.01	0.09
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Lima, OH	Ozone	Maintenance	100	-	-3.76	-5.21	-10.69

Table B1-37
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
DPM 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Longmont, CO	CO	Maintenance	100	-	0.00	0.01	0.09
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.01	0.05
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-10.08	-13.07	-15.73
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	-10.08	-13.07	-15.73
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-10.08	-13.07	-15.73
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-10.08	-13.07	-15.72
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-10.08	-13.07	-15.73
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.03	0.08	0.67
Louisville, KY-IN	Ozone	Maintenance	100	-	0.05	0.13	1.13
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.04	0.13	1.10
Lowell, MA	CO	Maintenance	100	-	0.00	0.01	0.11
Lucas County, OH	SO _x	Maintenance	100	-	0.01	0.04	0.30
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	0.06
Macon, GA	Ozone	Maintenance	100	-	0.01	0.02	0.21
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.21
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.01	0.03	0.24
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Manchester, NH	CO	Maintenance	100	-	0.00	0.01	0.08
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.01	0.10
Marion County, IN	SO _x	Maintenance	100	-	0.01	0.04	0.32
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.11
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.01	0.04	0.32
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.03
Medford, OR	CO	Maintenance	100	-	0.00	0.01	0.07
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.01	0.02	0.18
Memphis, TN-AR	Ozone	Maintenance	100	-	-1.12	-1.49	-2.32
Memphis, TN	CO	Maintenance	100	-	-1.12	-1.50	-2.41
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.03
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.01
Milwaukee, WI	SO _x	Maintenance	100	-	0.02	0.06	0.53
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.07	0.21	1.76
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.11	0.33	2.83
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.11	0.32	2.75
Missoula, MT	CO	Maintenance	100	-	0.00	0.01	0.06
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.06
Modesto, CA	CO	Maintenance	100	-	0.01	0.03	0.29
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.01	0.10
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	0.03
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.03
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.01	0.12
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.01
Muskegon, MI	Ozone	Maintenance	100	-	0.01	0.01	0.13
Nashua, NH	CO	Maintenance	100	-	0.00	0.01	0.06
Nashville, TN	Ozone	Former Subpart 1	50	-	0.06	0.19	1.60

Table B1-37
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
DPM 2021

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.01	0.02	0.13
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.01	0.02	0.13
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.03	0.09	0.79
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.01
New York County, NY	PM ₁₀	Moderate	100	-	0.02	0.05	0.46
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-0.90	-0.77	4.34
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-1.08	-0.59	9.97
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-1.09	-0.61	9.84
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.04
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-4.14	-5.64	-10.47
Ogden, UT	CO	Maintenance	100	-	0.00	0.01	0.07
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.01	0.07
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.10
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.01	0.02	0.15
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.15
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.01	0.10
Perth Amboy, NJ	CO	Maintenance	100	-	-0.45	-0.61	-1.21
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.02	0.05	0.40
Philadelaphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-6.33	-8.51	-14.23
Philidelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-6.27	-8.29	-12.22
Phoenix, AZ	CO	Maintenance	100	-	0.17	0.50	4.34
Phoenix, AZ	PM ₁₀	Serious	70	-	0.18	0.52	4.48
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.18	0.52	4.49
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.02
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.08	0.23	2.01
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.07	0.21	1.83
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.02
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.02	0.06	0.56
Portland, OR	CO	Maintenance	100	-	0.02	0.10	1.08
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.01	0.04
Poughkeepsie, NY	Ozone	Moderate	50	-	0.05	0.15	1.31
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Providence (entire State), RI	Ozone	Moderate	50	-	0.04	0.11	0.97
Provo, UT	CO	Maintenance	100	-	0.01	0.02	0.16
Raleigh-Durham, NC	CO	Maintenance	100	-	0.05	0.15	1.26
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.07	0.20	1.72
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00

Table B1-37
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
DPM 2021

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Reading, PA	Ozone	Maintenance	100	-	0.01	0.04	0.33
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.04	0.33
Reno, NV	CO	Maintenance	100	-	0.01	0.03	0.24
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.04	0.13	1.20
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.05
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.02	0.07	0.60
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.01	0.03	0.26
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.01	0.08
Rochester, NY	Ozone	Former Subpart 1	50	-	0.05	0.16	1.33
Rocky Mount, NC	Ozone	Maintenance	100	-	0.01	0.02	0.19
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.12
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.06	0.17	1.41
Sacramento Metro, CA	Ozone	Severe	25	-	0.10	0.29	2.52
Sacramento, CA	CO	Maintenance	100	-	0.06	0.18	1.57
Salem, OR	CO	Maintenance	100	-	0.01	0.02	0.13
Salt Lake City, UT	CO	Maintenance	100	-	-1.04	-1.43	-2.80
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-1.01	-1.34	-2.00
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.04	0.12	1.01
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.07	0.21	1.82
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.02	0.05	0.42
San Diego, CA	CO	Maintenance	100	-	0.16	0.46	3.96
San Diego, CA	Ozone	Former Subpart 1	50	-	0.16	0.46	3.97
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-8.43	-11.31	-18.67
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-8.39	-11.21	-17.83
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.09	0.40	4.09
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.10	0.40	4.11
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.09	0.40	4.09
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.03
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.03	0.08	0.67
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.12	0.34	2.91
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.01	0.12
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.02
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.02	0.05	0.45
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.00	0.02	0.17
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.01	0.03	0.29
Spokane, WA	CO	Maintenance	100	-	0.01	0.03	0.29
Springfield (western MA), MA	Ozone	Moderate	50	-	0.04	0.10	0.89
Springfield, MA	CO	Maintenance	100	-	0.01	0.02	0.14
St Louis, MO	CO	Maintenance	100	-	0.04	0.11	0.94
St Louis, MO-IL	Ozone	Moderate	50	-	-16.75	-23.05	-45.39
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-16.75	-23.05	-45.41
State College, PA	Ozone	Maintenance	100	-	0.01	0.02	0.17

Table B1-37
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
DPM 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.01	0.04
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.03	-0.03	0.01
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.03	-0.03	0.01
Stockton, CA	CO	Maintenance	100	-	0.02	0.05	0.44
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.02	0.06	0.52
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.01	0.02	0.13
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.01	0.06
Toledo, OH	Ozone	Maintenance	100	-	-3.90	-5.38	-10.69
Toms River, NJ	CO	Maintenance	100	-	0.00	0.01	0.10
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.01	0.10
Trenton, NJ	CO	Maintenance	100	-	0.00	0.01	0.09
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.04	0.11	0.96
Utah County, UT	PM ₁₀	Moderate	100	-	0.02	0.05	0.47
Vancouver, WA	CO	Maintenance	100	-	0.01	0.03	0.30
Ventura County, CA	Ozone	Serious	50	-	0.03	0.09	0.79
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Vigo County, IN	SO _x	Maintenance	100	-	0.01	0.02	0.13
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.01	0.06
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	0.04
Warren County, PA	SO _x	Nonattainment	100	-	-0.00	-0.00	0.01
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.01	0.02	0.21
Washington, DC-MD-VA	CO	Maintenance	100	-	0.06	0.18	1.55
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.21	0.61	5.25
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.21	0.60	5.15
Washoe County, NV	PM ₁₀	Serious	70	-	0.01	0.03	0.24
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.07
Wayne County, MI	PM ₁₀	Maintenance	100	-	-1.78	-2.46	-5.04
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.01
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.01	0.02	0.15
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.15
Winston-Salem, NC	CO	Maintenance	100	-	0.02	0.05	0.41
Worcester, MA	CO	Maintenance	100	-	0.01	0.02	0.21
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.09
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	0.04
York, PA	Ozone	Maintenance	100	-	0.02	0.05	0.44
York, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.04	0.34
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.03	0.08	0.65
Yuma, AZ	PM ₁₀	Moderate	100	-	0.01	0.02	0.18

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

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

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

Source: EPA, 2008.

Table B1-38
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
DPM 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.19	0.81	3.44
Albuquerque, NM	CO	Maintenance	100	-	0.09	0.37	1.59
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.02	0.09	0.39
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.09	0.37	1.60
Altoona, PA	Ozone	Maintenance	100	-	0.02	0.06	0.27
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.03	0.11	0.45
Anchorage, AK	CO	Maintenance	100	-	0.02	0.09	0.38
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.01
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Atlanta, GA	Ozone	Moderate	50	-	1.01	4.24	18.04
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	1.01	4.24	18.05
Atlantic City, NJ	CO	Maintenance	100	-	0.01	0.03	0.14
Bakersfield, CA	CO	Maintenance	100	-	-0.12	-0.02	0.67
Baltimore, MD	CO	Maintenance	100	-	0.00	0.01	0.03
Baltimore, MD	Ozone	Moderate	50	-	0.45	1.89	8.05
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.45	1.89	8.05
Baton Rouge, LA	Ozone	Moderate	50	-	-11.24	-17.35	-28.72
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-36.08	-56.46	-96.54
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.03	0.11	0.48
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.01	0.06
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.02	0.09	0.40
Billings, MT	CO	Maintenance	100	-	-5.99	-9.38	-16.03
Birmingham, AL	Ozone	Maintenance	100	-	-0.38	-0.20	1.28
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-0.38	-0.20	1.29
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.05	0.21	0.88
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.05	0.21	0.88
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.01	0.04
Boston, MA	CO	Maintenance	100	-	0.13	0.54	2.30
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.77	3.23	13.75
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.10	0.41	1.75
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.01	0.03
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.17	0.73	3.10
Burlington, NJ	CO	Maintenance	100	-	0.00	0.01	0.02
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.06
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	0.05
Canton-Massillon, OH	Ozone	Maintenance	100	-	-0.92	-1.33	-1.81
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-0.92	-1.33	-1.81
Case County, MI	Ozone	Maintenance	100	-	0.01	0.03	0.12
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.02
Charleston, WV	Ozone	Maintenance	100	-	0.04	0.17	0.74

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Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.04	0.17	0.74
Charlotte, NC	CO	Maintenance	100	-	0.11	0.47	1.98
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.25	1.04	4.44
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.08	0.34	1.47
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.07	0.31	1.34
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-15.75	-21.93	-26.41
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-15.71	-21.78	-25.76
Chico, CA	CO	Maintenance	100	-	0.02	0.07	0.29
Chico, CA	Ozone	Former Subpart 1	50	-	0.04	0.16	0.67
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.30	1.25	5.31
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.29	1.21	5.15
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.04
Clark County, NV	PM ₁₀	Serious	70	-	0.23	0.95	4.05
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.04	0.16	0.70
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.03	0.11	0.48
Cleveland, OH	CO	Maintenance	100	-	0.14	0.59	2.52
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.39	1.63	6.93
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.36	1.50	6.39
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.10	0.40	1.72
Colbert County, AL	SO _x	Maintenance	100	-	0.01	0.04	0.16
Colorado Springs, CO	CO	Maintenance	100	-	0.09	0.37	1.59
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Columbia, SC	Ozone	Former Subpart 1	50	-	0.10	0.41	1.75
Columbus, OH	Ozone	Maintenance	100	-	0.25	1.06	4.53
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.24	0.99	4.20
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	-0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.14	0.59	2.52
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.12	0.48	2.06
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	1.06	4.41	18.78
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.13	0.53	2.25
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.11	0.47	1.99
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-6.91	-9.67	-11.85
Denver-Boulder, CO	CO	Maintenance	100	-	-6.93	-9.75	-12.20
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-6.82	-9.28	-10.20
Detroit, MI	CO	Maintenance	100	-	-5.45	-7.93	-11.10
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-6.73	-8.73	-7.61
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-6.74	-8.79	-7.85
Door County, WI	Ozone	Former Subpart 1	50	-	0.01	0.02	0.10
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.01	0.02	0.10
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.02	0.08
Duluth, MN	CO	Maintenance	100	-	0.01	0.05	0.22
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	-13.27	-20.75	-35.38
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	-3.95	-6.01	-9.57
El Paso, TX	CO	Maintenance	100	-	0.00	0.02	0.08

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Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Erie, PA	Ozone	Maintenance	100	-	0.03	0.14	0.61
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.03	0.15	0.62
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.03	0.14	0.59
Evansville, IN	Ozone	Maintenance	100	-	0.04	0.16	0.68
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.05	0.21	0.88
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.01	0.05
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.04	0.19	0.79
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Flint, MI	Ozone	Maintenance	100	-	0.08	0.33	1.40
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.03	0.11	0.48
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.06	0.23	0.98
Franklin County, PA	Ozone	Maintenance	100	-	0.02	0.10	0.41
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.02	0.08	0.35
Fredericksburg, VA	Ozone	Maintenance	100	-	0.06	0.26	1.12
Freehold, NJ	CO	Maintenance	100	-	0.00	0.01	0.05
Fresno, CA	CO	Maintenance	100	-	0.09	0.37	1.59
Grand Rapids, MI	Ozone	Maintenance	100	-	0.12	0.51	2.19
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.01	0.03	0.11
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.01
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.02	0.09
Great Falls, MT	CO	Maintenance	100	-	0.00	0.01	0.05
Greater Connecticut, CT	Ozone	Moderate	50	-	0.25	1.04	4.42
Greeley, CO	CO	Maintenance	100	-	0.02	0.08	0.33
Green Bay, WI	SO _x	Maintenance	100	-	0.02	0.08	0.33
Greene County, IN	Ozone	Maintenance	100	-	0.01	0.03	0.13
Greene County, PA	Ozone	Maintenance	100	-	0.01	0.03	0.12
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.25	1.03	4.37
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.12	0.51	2.16
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.14	0.57	2.41
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.01	0.06
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.02	0.07	0.31
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.13	0.54	2.30
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.12	0.50	2.13
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.16	0.67	2.86
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.01	0.03
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.01	0.02	0.11
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.01
Hazelwood, PA	SO _x	Maintenance	100	-	0.01	0.03	0.11
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.03	0.11	0.48
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.04	0.19	0.79
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-54.32	-83.02	-133.87
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.01

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Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-7.23	-11.23	-18.85
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-7.26	-11.32	-19.22
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.02	0.08
Imperial County, CA	Ozone	Moderate	50	-	0.03	0.14	0.59
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.03	0.14	0.58
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.01	0.02	0.09
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.30	1.27	5.40
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.24	1.00	4.28
Jackson County, IN	Ozone	Maintenance	100	-	0.01	0.05	0.21
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.02	0.10	0.42
Jefferson County, NY	Ozone	Moderate	50	-	0.02	0.08	0.33
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.03	0.14	0.58
Johnstown, PA	Ozone	Maintenance	100	-	0.02	0.06	0.27
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.07	0.30
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.01	0.03
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.08	0.32	1.36
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.02	0.08
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.25	1.05	4.49
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.02	0.09	0.39
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.02	0.07
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.01	0.05	0.22
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.02	0.07
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.03
Klamath Falls, OR	CO	Maintenance	100	-	0.01	0.03	0.13
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.01	0.03	0.13
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.18	0.75	3.20
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.14	0.58	2.48
La Porte County, IN	SO _x	Maintenance	100	-	0.01	0.02	0.09
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.04
Lake County, IN	SO _x	Maintenance	100	-	0.05	0.19	0.82
Lake County, OH	SO _x	Maintenance	100	-	0.01	0.02	0.10
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.02	0.08
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.01	0.04	0.17
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.01	0.05
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.07	0.28	1.21
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.07	0.28	1.21
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.07	0.30	1.28
LaPorte, IN	Ozone	Maintenance	100	-	0.01	0.06	0.26
Las Vegas, NV	CO	Serious	100	-	0.23	0.95	4.05
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.23	0.96	4.11
Lauderdale County, AL	SO _x	Maintenance	100	-	0.01	0.06	0.24
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.02
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.04
Lima, OH	Ozone	Maintenance	100	-	-9.23	-14.44	-24.67
Longmont, CO	CO	Maintenance	100	-	0.01	0.06	0.25
Lorain County, OH	SO _x	Maintenance	100	-	0.01	0.03	0.12
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-23.88	-31.44	-29.63
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	-23.88	-31.44	-29.63
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-23.88	-31.44	-29.63
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-23.88	-31.44	-29.63
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-23.88	-31.44	-29.63
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.10	0.44	1.86
Louisville, KY-IN	Ozone	Maintenance	100	-	0.17	0.71	3.03
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.16	0.69	2.94
Lowell, MA	CO	Maintenance	100	-	0.02	0.07	0.31
Lucas County, OH	SO _x	Maintenance	100	-	0.05	0.19	0.80
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.01	0.03	0.16
Macon, GA	Ozone	Maintenance	100	-	0.03	0.13	0.56
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.03	0.13	0.56
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Madison, WI	SO _x	Maintenance	100	-	0.04	0.15	0.66
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.01	0.03
Manchester, NH	CO	Maintenance	100	-	0.01	0.05	0.21
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.02	0.06	0.27
Marion County, IN	SO _x	Maintenance	100	-	0.05	0.20	0.84
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.02	0.07	0.30
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.05	0.20	0.86
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.02	0.07
Medford, OR	CO	Maintenance	100	-	0.01	0.05	0.21
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.03	0.12	0.50
Memphis, TN-AR	Ozone	Maintenance	100	-	-2.70	-3.84	-5.02
Memphis, TN	CO	Maintenance	100	-	-2.71	-3.89	-5.23
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.02	0.08
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.01
Milwaukee, WI	SO _x	Maintenance	100	-	0.08	0.33	1.42
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.27	1.12	4.79
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.44	1.82	7.76
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.42	1.77	7.54
Missoula, MT	CO	Maintenance	100	-	0.01	0.04	0.17
Missoula, MT	PM ₁₀	Moderate	100	-	0.01	0.04	0.16
Modesto, CA	CO	Maintenance	100	-	0.05	0.20	0.83
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.02	0.07	0.28
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Morristown, NJ	CO	Maintenance	100	-	0.00	0.02	0.09
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.02	0.08
Muncie, IN	Ozone	Maintenance	100	-	0.02	0.07	0.31
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.01	0.04
Muskegon, MI	Ozone	Maintenance	100	-	0.02	0.08	0.35
Nashua, NH	CO	Maintenance	100	-	0.01	0.04	0.17

Table B1-38
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
DPM 2025

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Nashville, TN	Ozone	Former Subpart 1	50	-	0.25	1.03	4.41
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.02	0.09	0.38
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.02	0.09	0.37
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.12	0.50	2.11
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.02
New York County, NY	PM ₁₀	Moderate	100	-	0.07	0.29	1.23
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-1.79	0.27	13.01
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-1.85	2.95	28.89
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-1.87	2.87	28.55
Nogales, AZ	PM ₁₀	Moderate	100	-	0.01	0.03	0.11
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-10.06	-15.17	-23.59
Ogden, UT	CO	Maintenance	100	-	0.01	0.04	0.19
Ogden, UT	PM ₁₀	Moderate	100	-	0.01	0.04	0.19
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.01	0.06
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.02	0.07	0.29
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.01
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.02	0.09	0.39
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.02	0.09	0.39
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.01	0.05
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.01	0.06	0.27
Perth Amboy, NJ	CO	Maintenance	100	-	-1.09	-1.68	-2.77
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.06	0.25	1.05
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-15.30	-22.26	-31.20
Philidelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-15.03	-21.01	-25.72
Phoenix, AZ	CO	Maintenance	100	-	0.71	2.97	12.66
Phoenix, AZ	PM ₁₀	Serious	70	-	0.73	3.06	13.05
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.73	3.07	13.09
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.03
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.01	0.06
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.30	1.26	5.37
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.27	1.15	4.91
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.01	0.06
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Portland, ME	Ozone	Maintenance	100	-	0.08	0.35	1.51
Portland, OR	CO	Maintenance	100	-	0.12	0.64	2.96
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.01	0.03	0.12
Poughkeepsie, NY	Ozone	Moderate	50	-	0.21	0.86	3.68
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Providence (entire State), RI	Ozone	Moderate	50	-	0.15	0.62	2.65
Provo, UT	CO	Maintenance	100	-	0.02	0.10	0.44
Raleigh-Durham, NC	CO	Maintenance	100	-	0.20	0.82	3.51

Table B1-38
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
DPM 2025

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.27	1.12	4.79
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Reading, PA	Ozone	Maintenance	100	-	0.05	0.21	0.90
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.05	0.21	0.90
Reno, NV	CO	Maintenance	100	-	0.04	0.15	0.66
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.17	0.75	3.25
Rillito, AZ	PM ₁₀	Moderate	100	-	0.01	0.03	0.13
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.10	0.40	1.72
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.04	0.17	0.70
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.01	0.05	0.22
Rochester, NY	Ozone	Former Subpart 1	50	-	0.20	0.84	3.60
Rocky Mount, NC	Ozone	Maintenance	100	-	0.03	0.12	0.50
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.02	0.08	0.32
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.01
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.23	0.95	4.03
Sacramento Metro, CA	Ozone	Severe	25	-	0.41	1.70	7.24
Sacramento, CA	CO	Maintenance	100	-	0.25	1.05	4.49
Salem, OR	CO	Maintenance	100	-	0.02	0.08	0.35
Salt Lake City, UT	CO	Maintenance	100	-	-2.54	-3.91	-6.38
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-2.42	-3.39	-4.18
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.16	0.65	2.77
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.28	1.17	5.00
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.07	0.27	1.16
San Diego, CA	CO	Maintenance	100	-	0.63	2.63	11.18
San Diego, CA	Ozone	Former Subpart 1	50	-	0.63	2.63	11.20
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-20.31	-29.35	-40.25
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-20.18	-28.81	-37.96
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.50	2.57	11.72
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.50	2.59	11.78
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.50	2.57	11.72
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.01	0.02	0.09
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.10	0.42	1.80
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.45	1.89	8.04
Sheboygan, WI	Ozone	Moderate	50	-	0.02	0.08	0.32
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.01	0.06
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.01	0.05
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.07	0.29	1.22
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.02	0.10	0.45
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.04	0.19	0.80
Spokane, WA	CO	Maintenance	100	-	0.04	0.19	0.79
Springfield (western MA), MA	Ozone	Moderate	50	-	0.13	0.56	2.40
Springfield, MA	CO	Maintenance	100	-	0.02	0.09	0.39
St Louis, MO	CO	Maintenance	100	-	0.14	0.58	2.46
St Louis, MO-IL	Ozone	Moderate	50	-	-40.94	-63.08	-103.83

Table B1-38
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
DPM 2025

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-40.94	-63.09	-103.89
State College, PA	Ozone	Maintenance	100	-	0.03	0.11	0.46
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	0.05
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.01	0.03	0.11
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.06	-0.05	0.06
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.06	-0.05	0.06
Stockton, CA	CO	Maintenance	100	-	0.07	0.29	1.25
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.08	0.32	1.38
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.02	0.08	0.35
Tioga County, PA	Ozone	Maintenance	100	-	0.01	0.04	0.15
Toledo, OH	Ozone	Maintenance	100	-	-9.54	-14.76	-24.52
Toms River, NJ	CO	Maintenance	100	-	0.02	0.06	0.27
Tooele County, UT	SO _x	Nonattainment	100	-	0.02	0.06	0.27
Trenton, NJ	CO	Maintenance	100	-	0.01	0.06	0.24
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Tucson, AZ	CO	Maintenance	100	-	0.15	0.63	2.67
Utah County, UT	PM ₁₀	Moderate	100	-	0.07	0.31	1.30
Vancouver, WA	CO	Maintenance	100	-	0.05	0.20	0.84
Ventura County, CA	Ozone	Serious	50	-	0.11	0.51	2.23
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Vigo County, IN	SO _x	Maintenance	100	-	0.02	0.08	0.35
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.01	0.04	0.15
Warren County, NJ	SO _x	Maintenance	100	-	0.01	0.02	0.10
Warren County, PA	SO _x	Nonattainment	100	-	-0.00	-0.00	0.02
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.03	0.13	0.57
Washington, DC-MD-VA	CO	Maintenance	100	-	0.24	0.99	4.21
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.82	3.41	14.52
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.80	3.34	14.22
Washoe County, NV	PM ₁₀	Serious	70	-	0.04	0.15	0.66
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Wayne County, IN	SO _x	Maintenance	100	-	0.01	0.05	0.19
Wayne County, MI	PM ₁₀	Maintenance	100	-	-4.37	-6.82	-11.63
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.01	0.03
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.01	0.03
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.02	0.09	0.40
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.02	0.09	0.40
Winston-Salem, NC	CO	Maintenance	100	-	0.06	0.26	1.10
Worcester, MA	CO	Maintenance	100	-	0.03	0.14	0.59
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.01	0.06	0.25
Yakima, WA	CO	Maintenance	100	-	0.01	0.02	0.10

Table B1-38
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
DPM 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
York, PA	Ozone	Maintenance	100	-	0.07	0.28	1.20
York, PA	PM _{2.5}	Nonattainment	100	-	0.05	0.22	0.93
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.10	0.40	1.72
Yuma, AZ	PM ₁₀	Moderate	100	-	0.03	0.12	0.50

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

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

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

Source: EPA, 2008.

Table B1-39
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
DPM 2040

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.01	0.02
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.02	0.04
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.02	0.04
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.93	4.94	11.02
Albuquerque, NM	CO	Maintenance	100	-	0.42	2.25	5.01
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.11	0.60	1.33
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.43	2.28	5.08
Altoona, PA	Ozone	Maintenance	100	-	0.07	0.36	0.81
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.15	0.78	1.73
Anchorage, AK	CO	Maintenance	100	-	0.11	0.58	1.30
Anthony, NM	PM ₁₀	Moderate	100	-	0.01	0.03	0.06
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.02	0.04
Aspen, CO	PM ₁₀	Maintenance	100	-	0.01	0.03	0.06
Atlanta, GA	Ozone	Moderate	50	-	5.07	26.98	60.24
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	5.07	26.99	60.27
Atlantic City, NJ	CO	Maintenance	100	-	0.04	0.19	0.42
Bakersfield, CA	CO	Maintenance	100	-	-0.15	0.93	2.68
Baltimore, MD	CO	Maintenance	100	-	0.01	0.04	0.08
Baltimore, MD	Ozone	Moderate	50	-	2.22	11.81	26.37
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	2.22	11.81	26.37
Baton Rouge, LA	Ozone	Moderate	50	-	-28.68	-48.81	-73.58
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-92.71	-162.75	-250.63
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Benton Harbor, MI	Ozone	Maintenance	100	-	0.12	0.63	1.40
Benzie County, MI	Ozone	Maintenance	100	-	0.02	0.10	0.22
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.11	0.58	1.30
Billings, MT	CO	Maintenance	100	-	-15.40	-27.01	-41.58
Birmingham, AL	Ozone	Maintenance	100	-	-0.67	1.32	4.62
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-0.67	1.33	4.65
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.24	1.30	2.91
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.24	1.30	2.91
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.01	0.07	0.16
Boston, MA	CO	Maintenance	100	-	0.60	3.22	7.18
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	3.69	19.67	43.91
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.48	2.57	5.74
Boyd County (part), KY	SO _x	Maintenance	100	-	0.01	0.03	0.08
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.81	4.31	9.62
Burlington, NJ	CO	Maintenance	100	-	0.00	0.03	0.06
Butte, MT	PM ₁₀	Moderate	100	-	0.01	0.07	0.16
Canon City, CO	PM ₁₀	Maintenance	100	-	0.02	0.08	0.18
Canton-Massillon, OH	Ozone	Maintenance	100	-	-2.28	-3.31	-4.39
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-2.28	-3.31	-4.39
Case County, MI	Ozone	Maintenance	100	-	0.03	0.16	0.36
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.02	0.05
Charleston, WV	Ozone	Maintenance	100	-	0.18	0.97	2.18
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.18	0.97	2.18
Charlotte, NC	CO	Maintenance	100	-	0.56	2.99	6.67
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	1.24	6.60	14.73

Table B1-39
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
DPM 2040

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.38	2.03	4.54
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.35	1.87	4.18
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-38.07	-48.70	-56.28
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-37.89	-47.76	-54.18
Chico, CA	CO	Maintenance	100	-	0.09	0.50	1.11
Chico, CA	Ozone	Former Subpart 1	50	-	0.21	1.10	2.45
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	1.42	7.58	16.92
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	1.38	7.35	16.40
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.01	0.05	0.10
Clark County, NV	PM ₁₀	Serious	70	-	1.20	6.40	14.29
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.20	1.04	2.32
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.13	0.67	1.50
Cleveland, OH	CO	Maintenance	100	-	0.61	3.25	7.25
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	1.79	9.55	21.33
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	1.65	8.77	19.58
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.53	2.84	6.35
Colbert County, AL	SO _x	Maintenance	100	-	0.04	0.21	0.46
Colorado Springs, CO	CO	Maintenance	100	-	0.46	2.44	5.44
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.02	0.05
Columbia, SC	Ozone	Former Subpart 1	50	-	0.47	2.50	5.58
Columbus, OH	Ozone	Maintenance	100	-	1.28	6.82	15.22
Columbus, OH	PM _{2.5}	Nonattainment	100	-	1.19	6.34	14.15
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	0.00	0.01
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.61	3.25	7.25
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.51	2.70	6.03
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	5.41	28.83	64.36
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.57	3.04	6.79
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.50	2.68	5.98
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-16.66	-21.29	-24.55
Denver-Boulder, CO	CO	Maintenance	100	-	-16.76	-21.82	-25.74
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-16.19	-18.77	-18.94
Detroit, MI	CO	Maintenance	100	-	-13.38	-19.95	-27.05
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-15.80	-16.12	-12.81
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-15.86	-16.45	-13.55
Door County, WI	Ozone	Former Subpart 1	50	-	0.03	0.15	0.33
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.02	0.13	0.29
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.02	0.11	0.24
Duluth, MN	CO	Maintenance	100	-	0.05	0.29	0.65
Eagle River, AK	PM ₁₀	Moderate	100	-	0.01	0.04	0.08
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	-34.09	-59.70	-91.78
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.01
El Paso County, TX	PM ₁₀	Moderate	100	-	-10.00	-16.38	-24.01
El Paso, TX	CO	Maintenance	100	-	0.02	0.12	0.27
Erie, PA	Ozone	Maintenance	100	-	0.16	0.83	1.86
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.01	0.01

Table B1-39
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Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Eugene-Springfield, OR	CO	Maintenance	100	-	0.17	0.91	2.02
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.16	0.87	1.94
Evansville, IN	Ozone	Maintenance	100	-	0.18	0.95	2.13
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.23	1.22	2.72
Fairbanks, AK	CO	Maintenance	100	-	0.01	0.07	0.16
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.21	1.13	2.52
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.01	0.03	0.07
Flint, MI	Ozone	Maintenance	100	-	0.36	1.93	4.30
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Fort Collins, CO	CO	Maintenance	100	-	0.14	0.74	1.65
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	0.26	1.40	3.12
Franklin County, PA	Ozone	Maintenance	100	-	0.11	0.60	1.33
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.09	0.50	1.12
Fredericksburg, VA	Ozone	Maintenance	100	-	0.33	1.75	3.91
Freehold, NJ	CO	Maintenance	100	-	0.01	0.08	0.17
Fresno, CA	CO	Maintenance	100	-	0.45	2.41	5.39
Grand Rapids, MI	Ozone	Maintenance	100	-	0.61	3.24	7.23
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.03	0.14	0.32
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.01	0.02
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.03	0.14	0.31
Great Falls, MT	CO	Maintenance	100	-	0.01	0.07	0.15
Greater Connecticut, CT	Ozone	Moderate	50	-	1.15	6.11	13.64
Greeley, CO	CO	Maintenance	100	-	0.09	0.50	1.11
Green Bay, WI	SO _x	Maintenance	100	-	0.09	0.48	1.07
Greene County, IN	Ozone	Maintenance	100	-	0.03	0.19	0.41
Greene County, PA	Ozone	Maintenance	100	-	0.03	0.17	0.37
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	1.15	6.12	13.66
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.56	3.00	6.69
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.62	3.30	7.38
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.02	0.08	0.19
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.08	0.44	0.99
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.64	3.39	7.57
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.59	3.13	6.98
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.73	3.90	8.72
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.01	0.04	0.09
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.03	0.17	0.37
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.02	0.04
Hazelwood, PA	SO _x	Maintenance	100	-	0.03	0.15	0.34
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.12	0.64	1.44
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.20	1.08	2.42
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.01	0.02
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-137.77	-228.43	-337.88
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.01	0.02
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-18.53	-31.99	-48.71
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-18.62	-32.51	-49.87
Huron County, MI	Ozone	Maintenance	100	-	0.02	0.10	0.23

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Imperial County, CA	Ozone	Moderate	50	-	0.17	0.93	2.07
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.17	0.91	2.03
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.02	0.12	0.27
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.01
Indianapolis, IN	Ozone	Maintenance	100	-	1.49	7.91	17.66
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	1.18	6.28	14.03
Jackson County, IN	Ozone	Maintenance	100	-	0.06	0.30	0.66
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.11	0.58	1.29
Jefferson County, NY	Ozone	Moderate	50	-	0.09	0.47	1.04
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.03	0.06
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.15	0.80	1.78
Johnstown, PA	Ozone	Maintenance	100	-	0.06	0.33	0.74
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.07	0.36	0.81
Juneau, AK	PM ₁₀	Moderate	100	-	0.01	0.05	0.11
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.35	1.88	4.20
Kalispell, MT	PM ₁₀	Moderate	100	-	0.02	0.12	0.27
Kansas City, MO-KS	Ozone	Maintenance	100	-	1.24	6.60	14.73
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.11	0.57	1.28
Kent, WA	PM ₁₀	Maintenance	100	-	0.02	0.10	0.23
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.06	0.31	0.70
Kewaunee County, WI	Ozone	Maintenance	100	-	0.02	0.09	0.20
King County, WA	PM ₁₀	Maintenance	100	-	0.01	0.04	0.09
Klamath Falls, OR	CO	Maintenance	100	-	0.03	0.18	0.41
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.03	0.18	0.41
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.91	4.86	10.84
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.70	3.70	8.27
La Porte County, IN	SO _x	Maintenance	100	-	0.02	0.12	0.28
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.01	0.06	0.13
Lake County, IN	SO _x	Maintenance	100	-	0.21	1.10	2.45
Lake County, OH	SO _x	Maintenance	100	-	0.02	0.13	0.30
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.02	0.05
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.03	0.14	0.31
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.06	0.30	0.68
Lake Tahoe, NV	CO	Maintenance	100	-	0.01	0.08	0.17
Lamar, CO	PM ₁₀	Maintenance	100	-	0.01	0.03	0.07
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Lancaster, PA	Ozone	Maintenance	100	-	0.33	1.75	3.90
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.33	1.75	3.90
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.34	1.81	4.05
LaPorte, IN	Ozone	Maintenance	100	-	0.06	0.34	0.77
Las Vegas, NV	CO	Serious	100	-	1.20	6.40	14.29
Las Vegas, NV	Ozone	Former Subpart 1	50	-	1.22	6.48	14.47
Lauderdale County, AL	SO _x	Maintenance	100	-	0.06	0.32	0.71
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.01	0.01
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.02	0.03
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.02	0.05
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.05	0.10
Lima, OH	Ozone	Maintenance	100	-	-23.71	-41.60	-64.04

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Longmont, CO	CO	Maintenance	100	-	0.07	0.38	0.86
Lorain County, OH	SO _x	Maintenance	100	-	0.03	0.18	0.39
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-55.83	-57.53	-46.77
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	-55.83	-57.53	-46.77
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-55.83	-57.53	-46.77
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-55.83	-57.53	-46.76
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-55.83	-57.53	-46.77
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.53	2.81	6.28
Louisville, KY-IN	Ozone	Maintenance	100	-	0.79	4.20	9.38
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.76	4.03	8.99
Lowell, MA	CO	Maintenance	100	-	0.08	0.45	1.01
Lucas County, OH	SO _x	Maintenance	100	-	0.20	1.07	2.38
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.03	0.21	0.48
Macon, GA	Ozone	Maintenance	100	-	0.14	0.74	1.65
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.14	0.73	1.63
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.01	0.02
Madison, WI	SO _x	Maintenance	100	-	0.19	1.02	2.28
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.01	0.05	0.10
Manchester, NH	CO	Maintenance	100	-	0.05	0.27	0.61
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.07	0.37	0.83
Marion County, IN	SO _x	Maintenance	100	-	0.21	1.13	2.52
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.09	0.50	1.12
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.23	1.22	2.72
Mason County, MI	Ozone	Maintenance	100	-	0.02	0.10	0.23
Medford, OR	CO	Maintenance	100	-	0.06	0.33	0.74
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.15	0.79	1.77
Memphis, TN-AR	Ozone	Maintenance	100	-	-6.66	-9.34	-11.97
Memphis, TN	CO	Maintenance	100	-	-6.71	-9.62	-12.58
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.02	0.12	0.27
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.02	0.04
Milwaukee, WI	SO _x	Maintenance	100	-	0.36	1.92	4.29
Milwaukee-Racine, WI	Ozone	Moderate	50	-	1.29	6.87	15.33
Minneapolis-St Paul, MN	CO	Maintenance	100	-	2.13	11.35	25.35
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	2.07	11.03	24.63
Missoula, MT	CO	Maintenance	100	-	0.05	0.24	0.54
Missoula, MT	PM ₁₀	Moderate	100	-	0.04	0.23	0.52
Modesto, CA	CO	Maintenance	100	-	0.25	1.34	2.99
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.09	0.45	1.02
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.01	0.03
Morristown, NJ	CO	Maintenance	100	-	0.03	0.14	0.31
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.02	0.10	0.23
Muncie, IN	Ozone	Maintenance	100	-	0.07	0.40	0.88
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.02	0.04
Muscatine County, IA	SO _x	Maintenance	100	-	0.01	0.06	0.13
Muskegon, MI	Ozone	Maintenance	100	-	0.09	0.50	1.11
Nashua, NH	CO	Maintenance	100	-	0.04	0.22	0.49
Nashville, TN	Ozone	Former Subpart 1	50	-	1.23	6.53	14.58

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.12	0.66	1.48
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.11	0.57	1.28
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.54	2.90	6.47
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.02	0.05
New York County, NY	PM ₁₀	Moderate	100	-	0.30	1.62	3.61
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-2.16	15.74	44.41
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.06	37.86	97.32
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-0.03	37.36	96.20
Nogales, AZ	PM ₁₀	Moderate	100	-	0.03	0.16	0.36
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-25.39	-40.87	-59.12
Ogden, UT	CO	Maintenance	100	-	0.05	0.26	0.58
Ogden, UT	PM ₁₀	Moderate	100	-	0.05	0.26	0.58
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.01	0.07	0.17
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.08	0.44	0.99
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.02	0.04
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.10	0.53	1.18
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.10	0.53	1.19
Payson, AZ	PM ₁₀	Maintenance	100	-	0.01	0.08	0.18
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.07	0.36	0.80
Perth Amboy, NJ	CO	Maintenance	100	-	-2.78	-4.68	-7.00
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.26	1.36	3.05
Philadelaphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-37.96	-55.94	-75.08
Philidelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-36.58	-48.19	-57.65
Phoenix, AZ	CO	Maintenance	100	-	4.05	21.64	48.34
Phoenix, AZ	PM ₁₀	Serious	70	-	4.16	22.24	49.67
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	4.18	22.30	49.81
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.01	0.04	0.09
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Pittsburgh, PA	CO	Maintenance	100	-	0.02	0.10	0.22
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	1.37	7.33	16.38
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	1.25	6.69	14.96
Polk County, TN	SO _x	Maintenance	100	-	0.01	0.08	0.17
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.03
Portland, ME	Ozone	Maintenance	100	-	0.40	2.14	4.79
Portland, OR	CO	Maintenance	100	-	0.67	4.11	9.35
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.03	0.16	0.36
Poughkeepsie, NY	Ozone	Moderate	50	-	1.07	5.68	12.69
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.01	0.03	0.07
Providence (entire State), RI	Ozone	Moderate	50	-	0.72	3.84	8.57
Provo, UT	CO	Maintenance	100	-	0.13	0.68	1.52
Raleigh-Durham, NC	CO	Maintenance	100	-	1.00	5.33	11.91
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	1.36	7.25	16.18
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.01	0.01

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				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Reading, PA	Ozone	Maintenance	100	-	0.24	1.25	2.80
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.24	1.25	2.80
Reno, NV	CO	Maintenance	100	-	0.18	0.93	2.09
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.01
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.83	4.58	10.27
Rillito, AZ	PM ₁₀	Moderate	100	-	0.04	0.21	0.47
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.53	2.84	6.35
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.18	0.96	2.15
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.06	0.32	0.71
Rochester, NY	Ozone	Former Subpart 1	50	-	0.95	5.05	11.28
Rocky Mount, NC	Ozone	Maintenance	100	-	0.13	0.68	1.52
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.08	0.45	1.00
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.01	0.02
Sacramento County, CA	PM ₁₀	Moderate	100	-	1.22	6.50	14.50
Sacramento Metro, CA	Ozone	Severe	25	-	2.24	11.92	26.60
Sacramento, CA	CO	Maintenance	100	-	1.37	7.30	16.30
Salem, OR	CO	Maintenance	100	-	0.09	0.49	1.09
Salt Lake City, UT	CO	Maintenance	100	-	-6.47	-10.86	-16.22
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-5.87	-7.66	-9.08
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.76	4.04	9.01
San Antonio, TX	Ozone	Former Subpart 1	50	-	1.39	7.39	16.49
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.33	1.75	3.90
San Diego, CA	CO	Maintenance	100	-	3.32	17.66	39.42
San Diego, CA	Ozone	Former Subpart 1	50	-	3.32	17.69	39.50
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-49.85	-70.57	-91.17
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-49.22	-67.24	-83.74
San Joaquin Valley, CA	Ozone	Extreme	10	-	3.18	18.70	42.34
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	3.19	18.76	42.47
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	3.18	18.70	42.34
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.03	0.14	0.31
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.47	2.53	5.64
Seattle-Tacoma, WA	CO	Maintenance	100	-	2.25	11.96	26.69
Sheboygan, WI	Ozone	Moderate	50	-	0.09	0.46	1.04
Sheridan, WY	PM ₁₀	Moderate	100	-	0.02	0.08	0.18
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.01	0.07	0.15
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.32	1.71	3.81
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.09	0.53	1.21
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.22	1.18	2.64
Spokane, WA	CO	Maintenance	100	-	0.22	1.17	2.61
Springfield (western MA), MA	Ozone	Moderate	50	-	0.63	3.37	7.52
Springfield, MA	CO	Maintenance	100	-	0.11	0.56	1.25
St Louis, MO	CO	Maintenance	100	-	0.58	3.10	6.92
St Louis, MO-IL	Ozone	Moderate	50	-	-104.46	-177.25	-266.62
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-104.47	-177.32	-266.78
State College, PA	Ozone	Maintenance	100	-	0.13	0.68	1.53

Table B1-39
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
DPM 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.02	0.08	0.18
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.03	0.15	0.33
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.12	0.01	0.24
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.12	0.01	0.24
Stockton, CA	CO	Maintenance	100	-	0.38	2.03	4.52
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.35	1.88	4.20
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Terre Haute, IN	Ozone	Maintenance	100	-	0.09	0.45	1.02
Tioga County, PA	Ozone	Maintenance	100	-	0.04	0.20	0.45
Toledo, OH	Ozone	Maintenance	100	-	-24.38	-41.73	-63.14
Toms River, NJ	CO	Maintenance	100	-	0.08	0.42	0.93
Tooele County, UT	SO _x	Nonattainment	100	-	0.07	0.40	0.88
Trenton, NJ	CO	Maintenance	100	-	0.06	0.34	0.76
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.01	0.03
Tucson, AZ	CO	Maintenance	100	-	0.76	4.04	9.02
Utah County, UT	PM ₁₀	Moderate	100	-	0.37	1.97	4.40
Vancouver, WA	CO	Maintenance	100	-	0.25	1.31	2.93
Ventura County, CA	Ozone	Serious	50	-	0.64	3.54	7.95
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.03	0.06
Vigo County, IN	SO _x	Maintenance	100	-	0.09	0.45	1.02
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.04	0.21	0.47
Warren County, NJ	SO _x	Maintenance	100	-	0.03	0.14	0.31
Warren County, PA	SO _x	Nonattainment	100	-	-0.01	0.02	0.06
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.15	0.80	1.78
Washington, DC-MD-VA	CO	Maintenance	100	-	1.14	6.07	13.56
Washington, DC-MD-VA	Ozone	Moderate	50	-	4.08	21.74	48.53
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	3.99	21.26	47.46
Washoe County, NV	PM ₁₀	Serious	70	-	0.18	0.93	2.09
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.02	0.03
Wayne County, IN	SO _x	Maintenance	100	-	0.05	0.24	0.55
Wayne County, MI	PM ₁₀	Maintenance	100	-	-11.27	-19.69	-30.22
Weirton, WV	PM ₁₀	Maintenance	100	-	0.01	0.03	0.07
Weirton, WV	SO _x	Maintenance	100	-	0.01	0.04	0.09
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.10	0.51	1.14
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.10	0.51	1.14
Winston-Salem, NC	CO	Maintenance	100	-	0.30	1.58	3.53
Worcester, MA	CO	Maintenance	100	-	0.17	0.89	1.98
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.07	0.36	0.81
Yakima, WA	CO	Maintenance	100	-	0.03	0.16	0.36
York, PA	Ozone	Maintenance	100	-	0.33	1.75	3.91
York, PA	PM _{2.5}	Nonattainment	100	-	0.26	1.36	3.03
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.42	2.24	5.01
Yuma, AZ	PM ₁₀	Moderate	100	-	0.15	0.77	1.72

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

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

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

Source: EPA, 2008.

Table B1-40
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
DPM 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.01	0.02
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.02	0.05
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.02	0.05
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	1.31	7.11	15.62
Albuquerque, NM	CO	Maintenance	100	-	0.59	3.19	7.02
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.17	0.90	1.98
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.60	3.26	7.18
Altoona, PA	Ozone	Maintenance	100	-	0.09	0.48	1.06
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.24	1.29	2.83
Anchorage, AK	CO	Maintenance	100	-	0.16	0.87	1.90
Anthony, NM	PM ₁₀	Moderate	100	-	0.01	0.04	0.09
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.03	0.06
Aspen, CO	PM ₁₀	Maintenance	100	-	0.01	0.04	0.09
Atlanta, GA	Ozone	Moderate	50	-	7.42	40.22	88.44
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	7.42	40.24	88.47
Atlantic City, NJ	CO	Maintenance	100	-	0.05	0.26	0.58
Bakersfield, CA	CO	Maintenance	100	-	-0.16	1.54	4.16
Baltimore, MD	CO	Maintenance	100	-	0.01	0.05	0.11
Baltimore, MD	Ozone	Moderate	50	-	3.20	17.34	38.12
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	3.20	17.34	38.11
Baton Rouge, LA	Ozone	Moderate	50	-	-38.19	-65.28	-97.95
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-123.58	-218.49	-335.21
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.01	0.01
Benton Harbor, MI	Ozone	Maintenance	100	-	0.15	0.82	1.81
Benzie County, MI	Ozone	Maintenance	100	-	0.03	0.16	0.34
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.16	0.86	1.88
Billings, MT	CO	Maintenance	100	-	-20.53	-36.25	-55.58
Birmingham, AL	Ozone	Maintenance	100	-	-0.88	1.94	6.42
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-0.87	1.96	6.46
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.36	1.94	4.26
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.36	1.94	4.26
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.02	0.11	0.25
Boston, MA	CO	Maintenance	100	-	0.84	4.56	10.02
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	5.21	28.26	62.12
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.70	3.77	8.29
Boyd County (part), KY	SO _x	Maintenance	100	-	0.01	0.05	0.10
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	1.11	6.02	13.24
Burlington, NJ	CO	Maintenance	100	-	0.00	0.03	0.06
Butte, MT	PM ₁₀	Moderate	100	-	0.02	0.09	0.20
Canon City, CO	PM ₁₀	Maintenance	100	-	0.02	0.13	0.28
Canton-Massillon, OH	Ozone	Maintenance	100	-	-3.04	-4.42	-5.85
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-3.04	-4.42	-5.85
Case County, MI	Ozone	Maintenance	100	-	0.04	0.23	0.50
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.03	0.06
Charleston, WV	Ozone	Maintenance	100	-	0.24	1.29	2.83

Table B1-40
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
DPM 2060

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.24	1.29	2.83
Charlotte, NC	CO	Maintenance	100	-	0.83	4.48	9.85
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	1.81	9.79	21.54
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.52	2.85	6.26
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.48	2.64	5.80
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-50.22	-62.16	-69.11
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-49.97	-60.80	-66.11
Chico, CA	CO	Maintenance	100	-	0.15	0.83	1.83
Chico, CA	Ozone	Former Subpart 1	50	-	0.32	1.74	3.82
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	2.01	10.88	23.91
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	1.94	10.53	23.14
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.01	0.06	0.12
Clark County, NV	PM ₁₀	Serious	70	-	1.84	9.95	21.88
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.28	1.54	3.38
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.17	0.94	2.06
Cleveland, OH	CO	Maintenance	100	-	0.78	4.23	9.31
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	2.45	13.28	29.21
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	2.24	12.15	26.71
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.84	4.55	10.01
Colbert County, AL	SO _x	Maintenance	100	-	0.05	0.27	0.59
Colorado Springs, CO	CO	Maintenance	100	-	0.68	3.70	8.14
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.01	0.04	0.08
Columbia, SC	Ozone	Former Subpart 1	50	-	0.66	3.61	7.93
Columbus, OH	Ozone	Maintenance	100	-	1.88	10.22	22.47
Columbus, OH	PM _{2.5}	Nonattainment	100	-	1.76	9.52	20.93
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	0.00	0.01
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.78	4.23	9.31
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.67	3.65	8.02
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	8.08	43.83	96.37
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.77	4.16	9.14
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.67	3.65	8.03
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-21.88	-26.60	-28.90
Denver-Boulder, CO	CO	Maintenance	100	-	-22.03	-27.41	-30.69
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-21.18	-22.80	-20.55
Detroit, MI	CO	Maintenance	100	-	-19.13	-29.59	-41.24
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-20.82	-20.15	-14.50
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-20.91	-20.63	-15.54
Door County, WI	Ozone	Former Subpart 1	50	-	0.04	0.22	0.48
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.03	0.18	0.40
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.03	0.15	0.33
Duluth, MN	CO	Maintenance	100	-	0.07	0.39	0.87
Eagle River, AK	PM ₁₀	Moderate	100	-	0.01	0.06	0.12
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	-45.44	-80.13	-122.75
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.01	0.01
El Paso County, TX	PM ₁₀	Moderate	100	-	-13.29	-21.77	-31.70
El Paso, TX	CO	Maintenance	100	-	0.03	0.17	0.37

Table B1-40
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
DPM 2060

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Erie, PA	Ozone	Maintenance	100	-	0.21	1.14	2.52
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.01	0.02
Eugene-Springfield, OR	CO	Maintenance	100	-	0.25	1.33	2.92
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.24	1.28	2.81
Evansville, IN	Ozone	Maintenance	100	-	0.25	1.34	2.96
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.31	1.70	3.73
Fairbanks, AK	CO	Maintenance	100	-	0.02	0.11	0.24
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.30	1.61	3.54
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.01	0.05	0.10
Flint, MI	Ozone	Maintenance	100	-	0.49	2.68	5.89
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Fort Collins, CO	CO	Maintenance	100	-	0.21	1.13	2.48
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	0.37	2.00	4.39
Franklin County, PA	Ozone	Maintenance	100	-	0.16	0.87	1.91
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.13	0.72	1.58
Fredericksburg, VA	Ozone	Maintenance	100	-	0.50	2.71	5.95
Freehold, NJ	CO	Maintenance	100	-	0.02	0.13	0.27
Fresno, CA	CO	Maintenance	100	-	0.67	3.62	7.96
Grand Rapids, MI	Ozone	Maintenance	100	-	0.88	4.78	10.52
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.03	0.19	0.41
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.01	0.03
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.01
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.04	0.21	0.47
Great Falls, MT	CO	Maintenance	100	-	0.02	0.08	0.18
Greater Connecticut, CT	Ozone	Moderate	50	-	1.57	8.51	18.71
Greeley, CO	CO	Maintenance	100	-	0.14	0.74	1.62
Green Bay, WI	SO _x	Maintenance	100	-	0.13	0.69	1.51
Greene County, IN	Ozone	Maintenance	100	-	0.05	0.26	0.58
Greene County, PA	Ozone	Maintenance	100	-	0.04	0.23	0.51
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	1.59	8.63	18.97
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.77	4.19	9.21
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.84	4.56	10.03
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.02	0.12	0.26
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.12	0.63	1.39
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.92	4.99	10.97
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.85	4.59	10.10
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.99	5.36	11.79
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.01	0.06	0.14
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.05	0.26	0.56
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.01	0.03	0.06
Hazelwood, PA	SO _x	Maintenance	100	-	0.04	0.22	0.48
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.16	0.87	1.92
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.28	1.50	3.29
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.01	0.02
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-183.20	-303.88	-446.50
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.02	0.03

Table B1-40
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
DPM 2060

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-24.70	-42.94	-65.16
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-24.83	-43.67	-66.78
Huron County, MI	Ozone	Maintenance	100	-	0.03	0.14	0.31
Imperial County, CA	Ozone	Moderate	50	-	0.26	1.43	3.15
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.26	1.40	3.09
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.03	0.17	0.37
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.01
Indianapolis, IN	Ozone	Maintenance	100	-	2.14	11.60	25.50
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	1.70	9.23	20.30
Jackson County, IN	Ozone	Maintenance	100	-	0.08	0.41	0.91
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.15	0.81	1.77
Jefferson County, NY	Ozone	Moderate	50	-	0.12	0.66	1.44
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.01	0.03	0.07
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.20	1.10	2.41
Johnstown, PA	Ozone	Maintenance	100	-	0.07	0.40	0.88
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.08	0.44	0.97
Juneau, AK	PM ₁₀	Moderate	100	-	0.01	0.08	0.17
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.49	2.63	5.79
Kalispell, MT	PM ₁₀	Moderate	100	-	0.03	0.19	0.41
Kansas City, MO-KS	Ozone	Maintenance	100	-	1.79	9.70	21.34
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.16	0.84	1.85
Kent, WA	PM ₁₀	Maintenance	100	-	0.03	0.16	0.36
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.08	0.44	0.96
Kewaunee County, WI	Ozone	Maintenance	100	-	0.02	0.13	0.28
King County, WA	PM ₁₀	Maintenance	100	-	0.01	0.06	0.14
Klamath Falls, OR	CO	Maintenance	100	-	0.05	0.25	0.55
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.05	0.25	0.55
Knoxville, TN	Ozone	Former Subpart 1	50	-	1.35	7.32	16.09
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	1.02	5.52	12.13
La Porte County, IN	SO _x	Maintenance	100	-	0.03	0.16	0.36
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.01	0.08	0.18
Lake County, IN	SO _x	Maintenance	100	-	0.27	1.48	3.25
Lake County, OH	SO _x	Maintenance	100	-	0.03	0.18	0.40
Lake County, OR	PM ₁₀	Maintenance	100	-	0.01	0.03	0.07
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.04	0.23	0.51
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.10	0.53	1.16
Lake Tahoe, NV	CO	Maintenance	100	-	0.02	0.11	0.23
Lamar, CO	PM ₁₀	Maintenance	100	-	0.01	0.05	0.10
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
Lancaster, PA	Ozone	Maintenance	100	-	0.47	2.53	5.56
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.47	2.53	5.56
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.48	2.58	5.67
LaPorte, IN	Ozone	Maintenance	100	-	0.08	0.46	1.00
Las Vegas, NV	CO	Serious	100	-	1.84	9.95	21.88
Las Vegas, NV	Ozone	Former Subpart 1	50	-	1.85	10.06	22.11
Lauderdale County, AL	SO _x	Maintenance	100	-	0.08	0.43	0.95
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.01	0.02
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.02	0.04

Table B1-40
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Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.03	0.06
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.06	0.12
Lima, OH	Ozone	Maintenance	100	-	-31.60	-55.84	-85.65
Longmont, CO	CO	Maintenance	100	-	0.11	0.60	1.32
Lorain County, OH	SO _x	Maintenance	100	-	0.05	0.25	0.55
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-72.93	-68.21	-44.78
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	-72.93	-68.21	-44.78
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-72.93	-68.21	-44.78
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-72.93	-68.21	-44.78
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-72.94	-68.21	-44.79
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.78	4.23	9.29
Louisville, KY-IN	Ozone	Maintenance	100	-	1.08	5.86	12.89
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	1.03	5.58	12.26
Lowell, MA	CO	Maintenance	100	-	0.13	0.68	1.49
Lucas County, OH	SO _x	Maintenance	100	-	0.26	1.43	3.14
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.05	0.28	0.63
Macon, GA	Ozone	Maintenance	100	-	0.18	0.98	2.16
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.18	0.97	2.13
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.01	0.03
Madison, WI	SO _x	Maintenance	100	-	0.29	1.57	3.46
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.02	0.08	0.18
Manchester, NH	CO	Maintenance	100	-	0.06	0.35	0.77
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.09	0.51	1.12
Marion County, IN	SO _x	Maintenance	100	-	0.28	1.53	3.37
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.15	0.80	1.76
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.32	1.74	3.83
Mason County, MI	Ozone	Maintenance	100	-	0.03	0.15	0.32
Medford, OR	CO	Maintenance	100	-	0.10	0.52	1.13
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.23	1.25	2.74
Memphis, TN-AR	Ozone	Maintenance	100	-	-8.87	-12.49	-16.01
Memphis, TN	CO	Maintenance	100	-	-8.94	-12.84	-16.79
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.03	0.19	0.42
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.02	0.05
Milwaukee, WI	SO _x	Maintenance	100	-	0.49	2.65	5.82
Milwaukee-Racine, WI	Ozone	Moderate	50	-	1.82	9.88	21.72
Minneapolis-St Paul, MN	CO	Maintenance	100	-	3.07	16.63	36.57
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	2.98	16.15	35.50
Missoula, MT	CO	Maintenance	100	-	0.06	0.35	0.77
Missoula, MT	PM ₁₀	Moderate	100	-	0.06	0.34	0.75
Modesto, CA	CO	Maintenance	100	-	0.39	2.09	4.60
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.13	0.72	1.59
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.02	0.04
Morristown, NJ	CO	Maintenance	100	-	0.04	0.22	0.49
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.03	0.14	0.31
Muncie, IN	Ozone	Maintenance	100	-	0.09	0.51	1.12
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.01	0.03	0.07
Muscatine County, IA	SO _x	Maintenance	100	-	0.02	0.09	0.19
Muskegon, MI	Ozone	Maintenance	100	-	0.13	0.71	1.57
Nashua, NH	CO	Maintenance	100	-	0.05	0.29	0.63

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Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Nashville, TN	Ozone	Former Subpart 1	50	-	1.78	9.66	21.23
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.20	1.10	2.42
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.16	0.89	1.97
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.74	4.00	8.79
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.01	0.03	0.06
New York County, NY	PM ₁₀	Moderate	100	-	0.40	2.15	4.73
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-2.64	22.86	62.21
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.76	55.32	138.08
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.62	54.58	136.45
Nogales, AZ	PM ₁₀	Moderate	100	-	0.04	0.24	0.52
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-33.78	-54.46	-78.36
Ogden, UT	CO	Maintenance	100	-	0.07	0.36	0.79
Ogden, UT	PM ₁₀	Moderate	100	-	0.07	0.36	0.79
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.02	0.10	0.21
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.12	0.68	1.49
Owens Valley, CA	PM ₁₀	Serious	70	-	0.01	0.03	0.07
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.13	0.73	1.60
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.13	0.73	1.61
Payson, AZ	PM ₁₀	Maintenance	100	-	0.02	0.12	0.26
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Peoria, IL	SO _x	Maintenance	100	-	0.09	0.49	1.07
Perth Amboy, NJ	CO	Maintenance	100	-	-3.68	-6.19	-9.17
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.33	1.79	3.94
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-50.46	-74.10	-98.79
Philidelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-48.51	-63.01	-74.23
Phoenix, AZ	CO	Maintenance	100	-	6.53	35.47	78.02
Phoenix, AZ	PM ₁₀	Serious	70	-	6.69	36.37	80.00
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	6.71	36.46	80.20
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.01	0.05	0.11
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Pittsburgh, PA	CO	Maintenance	100	-	0.03	0.17	0.38
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	1.85	10.10	22.22
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	1.69	9.22	20.28
Polk County, TN	SO _x	Maintenance	100	-	0.02	0.11	0.24
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.02	0.04
Portland, ME	Ozone	Maintenance	100	-	0.56	3.06	6.72
Portland, OR	CO	Maintenance	100	-	0.94	5.82	13.03
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.04	0.22	0.49
Poughkeepsie, NY	Ozone	Moderate	50	-	1.60	8.69	19.11
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.01	0.04	0.09
Providence (entire State), RI	Ozone	Moderate	50	-	1.03	5.58	12.27
Provo, UT	CO	Maintenance	100	-	0.19	1.04	2.28
Raleigh-Durham, NC	CO	Maintenance	100	-	1.48	8.05	17.69

Table B1-40
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Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	2.01	10.91	23.98
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Reading, PA	Ozone	Maintenance	100	-	0.33	1.77	3.89
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.33	1.77	3.89
Reno, NV	CO	Maintenance	100	-	0.25	1.34	2.94
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.01	0.02
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	1.17	6.51	14.38
Rillito, AZ	PM ₁₀	Moderate	100	-	0.06	0.33	0.73
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.84	4.55	10.01
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.25	1.33	2.93
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.08	0.46	1.01
Rochester, NY	Ozone	Former Subpart 1	50	-	1.32	7.14	15.69
Rocky Mount, NC	Ozone	Maintenance	100	-	0.17	0.93	2.05
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.12	0.63	1.38
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.01	0.03
Sacramento County, CA	PM ₁₀	Moderate	100	-	1.89	10.25	22.53
Sacramento Metro, CA	Ozone	Severe	25	-	3.51	19.01	41.80
Sacramento, CA	CO	Maintenance	100	-	2.13	11.53	25.35
Salem, OR	CO	Maintenance	100	-	0.13	0.68	1.49
Salt Lake City, UT	CO	Maintenance	100	-	-8.60	-14.48	-21.49
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-7.74	-9.82	-11.25
Salt Lake County, UT	SO _x	Nonattainment	100	-	1.09	5.89	12.94
San Antonio, TX	Ozone	Former Subpart 1	50	-	2.01	10.90	23.97
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.47	2.57	5.65
San Diego, CA	CO	Maintenance	100	-	5.06	27.42	60.29
San Diego, CA	Ozone	Former Subpart 1	50	-	5.07	27.48	60.41
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-65.73	-90.45	-113.38
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-64.84	-85.66	-102.84
San Joaquin Valley, CA	Ozone	Extreme	10	-	4.99	29.48	65.60
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	5.01	29.55	65.75
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	4.99	29.48	65.60
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.04	0.22	0.48
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.66	3.57	7.85
Seattle-Tacoma, WA	CO	Maintenance	100	-	3.27	17.73	38.98
Sheboygan, WI	Ozone	Moderate	50	-	0.12	0.68	1.49
Sheridan, WY	PM ₁₀	Moderate	100	-	0.02	0.11	0.25
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.02	0.10	0.22
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.45	2.41	5.31
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.10	0.61	1.36
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.32	1.75	3.84
Spokane, WA	CO	Maintenance	100	-	0.32	1.73	3.79
Springfield (western MA), MA	Ozone	Moderate	50	-	0.88	4.76	10.47
Springfield, MA	CO	Maintenance	100	-	0.15	0.84	1.84
St Louis, MO	CO	Maintenance	100	-	0.73	3.94	8.67
St Louis, MO-IL	Ozone	Moderate	50	-	-139.21	-237.67	-356.30

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Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-139.23	-237.77	-356.52
State College, PA	Ozone	Maintenance	100	-	0.19	1.02	2.24
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.02	0.13	0.29
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.04	0.19	0.43
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.17	-0.00	0.28
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.17	-0.00	0.28
Stockton, CA	CO	Maintenance	100	-	0.60	3.25	7.14
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.48	2.59	5.69
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	0.03
Terre Haute, IN	Ozone	Maintenance	100	-	0.11	0.59	1.30
Tioga County, PA	Ozone	Maintenance	100	-	0.05	0.27	0.59
Toledo, OH	Ozone	Maintenance	100	-	-32.50	-55.97	-84.41
Toms River, NJ	CO	Maintenance	100	-	0.12	0.65	1.43
Tooele County, UT	SO _x	Nonattainment	100	-	0.11	0.58	1.27
Trenton, NJ	CO	Maintenance	100	-	0.09	0.49	1.09
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.02	0.05
Tucson, AZ	CO	Maintenance	100	-	1.12	6.07	13.35
Utah County, UT	PM ₁₀	Moderate	100	-	0.55	2.96	6.52
Vancouver, WA	CO	Maintenance	100	-	0.37	2.02	4.45
Ventura County, CA	Ozone	Serious	50	-	0.99	5.54	12.23
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.01	0.03	0.07
Vigo County, IN	SO _x	Maintenance	100	-	0.11	0.59	1.30
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.06	0.30	0.66
Warren County, NJ	SO _x	Maintenance	100	-	0.04	0.20	0.44
Warren County, PA	SO _x	Nonattainment	100	-	-0.01	0.02	0.07
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.21	1.12	2.45
Washington, DC-MD-VA	CO	Maintenance	100	-	1.67	9.05	19.90
Washington, DC-MD-VA	Ozone	Moderate	50	-	5.98	32.43	71.31
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	5.84	31.68	69.66
Washoe County, NV	PM ₁₀	Serious	70	-	0.25	1.34	2.94
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.02	0.05
Wayne County, IN	SO _x	Maintenance	100	-	0.06	0.32	0.69
Wayne County, MI	PM ₁₀	Maintenance	100	-	-15.61	-27.32	-41.65
Weirton, WV	PM ₁₀	Maintenance	100	-	0.01	0.03	0.07
Weirton, WV	SO _x	Maintenance	100	-	0.01	0.05	0.10
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.12	0.66	1.45
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.12	0.66	1.45
Winston-Salem, NC	CO	Maintenance	100	-	0.42	2.27	5.00
Worcester, MA	CO	Maintenance	100	-	0.25	1.35	2.97
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.10	0.52	1.15
Yakima, WA	CO	Maintenance	100	-	0.05	0.26	0.57

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Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
DPM 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
York, PA	Ozone	Maintenance	100	-	0.47	2.57	5.65
York, PA	PM _{2.5}	Nonattainment	100	-	0.37	1.99	4.37
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.55	2.96	6.51
Yuma, AZ	PM ₁₀	Moderate	100	-	0.22	1.18	2.60

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

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

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

Source: EPA, 2008.

Table B1-41
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Formaldehyde 2021

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.06	0.14	0.84
Albuquerque, NM	CO	Maintenance	100	-	0.03	0.06	0.39
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.01	0.02	0.09
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.03	0.06	0.39
Altoona, PA	Ozone	Maintenance	100	-	0.01	0.01	0.07
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.02	0.10
Anchorage, AK	CO	Maintenance	100	-	0.01	0.01	0.09
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	0.32	0.70	4.36
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.32	0.70	4.36
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.01	0.03
Bakersfield, CA	CO	Maintenance	100	-	-0.01	0.00	0.20
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.01
Baltimore, MD	Ozone	Moderate	50	-	0.14	0.32	1.96
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.14	0.32	1.96
Baton Rouge, LA	Ozone	Moderate	50	-	-0.65	-0.86	-1.41
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-2.37	-3.25	-6.34
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.01	0.02	0.12
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.01	0.02	0.10
Billings, MT	CO	Maintenance	100	-	0.00	0.01	0.05
Birmingham, AL	Ozone	Maintenance	100	-	0.05	0.11	0.68
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.05	0.11	0.68
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.02	0.03	0.21
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.02	0.03	0.21
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Boston, MA	CO	Maintenance	100	-	0.04	0.09	0.57
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.25	0.54	3.38
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.03	0.07	0.43
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.00	-0.00	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.06	0.12	0.77
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.01	0.03	0.20
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.20
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.03
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.01	0.03	0.19
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.19
Charlotte, NC	CO	Maintenance	100	-	0.04	0.08	0.48
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.08	0.17	1.07

Table B1-41
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Formaldehyde 2021

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.03	0.06	0.36
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.02	0.05	0.33
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.32	0.72	4.58
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.33	0.74	4.73
Chico, CA	CO	Maintenance	100	-	0.00	0.01	0.07
Chico, CA	Ozone	Former Subpart 1	50	-	0.01	0.03	0.16
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.10	0.21	1.30
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.09	0.20	1.26
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Clark County, NV	PM ₁₀	Serious	70	-	0.07	0.15	0.96
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.01	0.03	0.17
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.01	0.02	0.12
Cleveland, OH	CO	Maintenance	100	-	0.05	0.10	0.64
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.13	0.28	1.72
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.12	0.26	1.59
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.03	0.06	0.40
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.01	0.04
Colorado Springs, CO	CO	Maintenance	100	-	0.03	0.06	0.38
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.03	0.07	0.43
Columbus, OH	Ozone	Maintenance	100	-	0.08	0.18	1.09
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.07	0.16	1.01
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.05	0.10	0.64
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.04	0.08	0.52
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.33	0.72	4.49
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.04	0.09	0.56
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.04	0.08	0.50
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.14	0.31	1.93
Denver-Boulder, CO	CO	Maintenance	100	-	0.14	0.30	1.85
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.17	0.38	2.33
Detroit, MI	CO	Maintenance	100	-	0.08	0.17	1.08
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.23	0.49	3.07
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.22	0.49	3.01
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.02
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.02
Duluth, MN	CO	Maintenance	100	-	0.00	0.01	0.06
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.01	0.02	0.14
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.02	0.05	0.32
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.02
Erie, PA	Ozone	Maintenance	100	-	0.01	0.02	0.15
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00

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Formaldehyde 2021

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Eugene-Springfield, OR	CO	Maintenance	100	-	0.01	0.02	0.15
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.01	0.02	0.14
Evansville, IN	Ozone	Maintenance	100	-	0.01	0.03	0.17
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.02	0.04	0.22
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.01
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.01	0.03	0.20
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	0.03	0.06	0.35
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.01	0.02	0.11
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.02	0.04	0.24
Franklin County, PA	Ozone	Maintenance	100	-	0.01	0.02	0.10
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.09
Fredericksburg, VA	Ozone	Maintenance	100	-	0.02	0.04	0.27
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Fresno, CA	CO	Maintenance	100	-	0.03	0.06	0.38
Grand Rapids, MI	Ozone	Maintenance	100	-	0.04	0.09	0.53
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.01
Greater Connecticut, CT	Ozone	Moderate	50	-	0.08	0.18	1.10
Greeley, CO	CO	Maintenance	100	-	0.01	0.01	0.08
Green Bay, WI	SO _x	Maintenance	100	-	0.01	0.01	0.08
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.01	0.03
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.03
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.08	0.17	1.08
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.04	0.09	0.54
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.04	0.10	0.60
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.02
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.01	0.01	0.08
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.04	0.09	0.56
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.04	0.08	0.52
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.05	0.12	0.71
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.01
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	0.03
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.12
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.01	0.03	0.20
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-6.47	-8.69	-14.96
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.18
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.00	0.01	0.09
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.02

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Imperial County, CA	Ozone	Moderate	50	-	0.01	0.02	0.14
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.01	0.02	0.14
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.10	0.21	1.31
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.08	0.17	1.04
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.01	0.05
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.01	0.02	0.10
Jefferson County, NY	Ozone	Moderate	50	-	0.01	0.01	0.08
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.01	0.02	0.15
Johnstown, PA	Ozone	Maintenance	100	-	0.01	0.01	0.07
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.08
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.02	0.05	0.34
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.08	0.18	1.09
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.01	0.02	0.09
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.05
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.02
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.01	0.03
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.03
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.06	0.12	0.77
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.04	0.10	0.60
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.02
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Lake County, IN	SO _x	Maintenance	100	-	0.02	0.03	0.21
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.02
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.02
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.01	0.04
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.01
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.02	0.05	0.30
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.05	0.30
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.02	0.05	0.32
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.01	0.07
Las Vegas, NV	CO	Serious	100	-	0.07	0.15	0.96
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.07	0.16	0.97
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.01	0.06
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Lima, OH	Ozone	Maintenance	100	-	0.01	0.01	0.07

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Longmont, CO	CO	Maintenance	100	-	0.00	0.01	0.06
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.03
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.70	1.56	9.84
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	0.70	1.56	9.84
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.70	1.56	9.84
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.70	1.56	9.84
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.70	1.56	9.84
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.03	0.07	0.45
Louisville, KY-IN	Ozone	Maintenance	100	-	0.06	0.12	0.75
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.05	0.12	0.73
Lowell, MA	CO	Maintenance	100	-	0.01	0.01	0.07
Lucas County, OH	SO _x	Maintenance	100	-	0.01	0.03	0.20
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	0.04
Macon, GA	Ozone	Maintenance	100	-	0.01	0.02	0.14
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.14
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.01	0.03	0.16
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Manchester, NH	CO	Maintenance	100	-	0.00	0.01	0.05
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.01	0.01	0.07
Marion County, IN	SO _x	Maintenance	100	-	0.02	0.03	0.21
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.07
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.21
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.02
Medford, OR	CO	Maintenance	100	-	0.00	0.01	0.05
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.01	0.02	0.12
Memphis, TN-AR	Ozone	Maintenance	100	-	0.04	0.10	0.66
Memphis, TN	CO	Maintenance	100	-	0.04	0.09	0.60
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.02
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.03	0.06	0.36
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.09	0.19	1.18
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.03	0.15	1.58
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.14	0.30	1.84
Missoula, MT	CO	Maintenance	100	-	0.00	0.01	0.04
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.04
Modesto, CA	CO	Maintenance	100	-	0.01	0.03	0.19
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.01	0.07
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	0.02
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.02
Muncie, IN	Ozone	Maintenance	100	-	0.01	0.01	0.08
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.01
Muskegon, MI	Ozone	Maintenance	100	-	0.01	0.01	0.09
Nashua, NH	CO	Maintenance	100	-	0.00	0.01	0.04
Nashville, TN	Ozone	Former Subpart 1	50	-	0.04	0.12	0.97

Table B1-41
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Formaldehyde 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.09
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.01	0.01	0.09
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.04	0.08	0.53
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.02	0.05	0.31
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.38	0.84	5.22
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.73	1.59	9.85
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.72	1.58	9.77
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.08	0.17	1.05
Ogden, UT	CO	Maintenance	100	-	0.00	0.01	0.05
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.01	0.05
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	0.07
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.01	0.02	0.10
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.10
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.01	0.07
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.01	0.05
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.02	0.04	0.27
Philadelaphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-0.66	-0.73	0.54
Philidelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-0.56	-0.51	1.91
Phoenix, AZ	CO	Maintenance	100	-	0.21	0.47	2.90
Phoenix, AZ	PM ₁₀	Serious	70	-	0.22	0.48	2.99
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.22	0.48	3.00
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.01
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.10	0.22	1.34
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.09	0.20	1.23
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.03	0.06	0.37
Portland, OR	CO	Maintenance	100	-	0.04	0.10	0.73
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Poughkeepsie, NY	Ozone	Moderate	50	-	0.06	0.14	0.88
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Providence (entire State), RI	Ozone	Moderate	50	-	0.05	0.10	0.65
Provo, UT	CO	Maintenance	100	-	0.01	0.02	0.10
Raleigh-Durham, NC	CO	Maintenance	100	-	0.06	0.14	0.84
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.08	0.19	1.15
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00

Table B1-41
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Formaldehyde 2021

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Reading, PA	Ozone	Maintenance	100	-	0.02	0.04	0.22
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.04	0.22
Reno, NV	CO	Maintenance	100	-	0.01	0.03	0.16
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.06	0.13	0.81
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.03	0.06	0.40
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.01	0.03	0.18
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.01	0.05
Rochester, NY	Ozone	Former Subpart 1	50	-	0.07	0.14	0.89
Rocky Mount, NC	Ozone	Maintenance	100	-	0.01	0.02	0.12
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.08
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.07	0.15	0.94
Sacramento Metro, CA	Ozone	Severe	25	-	0.12	0.27	1.68
Sacramento, CA	CO	Maintenance	100	-	0.08	0.17	1.05
Salem, OR	CO	Maintenance	100	-	0.01	0.01	0.09
Salt Lake City, UT	CO	Maintenance	100	-	0.00	0.01	0.12
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.04	0.10	0.66
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.05	0.11	0.68
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.09	0.20	1.21
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.02	0.04	0.28
San Diego, CA	CO	Maintenance	100	-	0.20	0.43	2.65
San Diego, CA	Ozone	Former Subpart 1	50	-	0.20	0.43	2.65
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-0.79	-0.84	1.11
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-0.75	-0.75	1.67
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.18	0.42	2.80
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.18	0.42	2.81
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.18	0.42	2.80
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.02
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.03	0.07	0.44
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.10	0.25	1.82
Sheboygan, WI	Ozone	Moderate	50	-	0.01	0.01	0.08
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.02	0.05	0.30
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.01	0.02	0.12
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.01	0.03	0.19
Spokane, WA	CO	Maintenance	100	-	0.01	0.03	0.19
Springfield (western MA), MA	Ozone	Moderate	50	-	0.04	0.10	0.59
Springfield, MA	CO	Maintenance	100	-	0.01	0.02	0.09
St Louis, MO	CO	Maintenance	100	-	0.05	0.10	0.63
St Louis, MO-IL	Ozone	Moderate	50	-	0.15	0.32	1.99
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.15	0.32	1.97
State College, PA	Ozone	Maintenance	100	-	0.01	0.02	0.11

Table B1-41
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Formaldehyde 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	0.03
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.01	0.07
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.07
Stockton, CA	CO	Maintenance	100	-	0.02	0.05	0.29
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.03	0.06	0.34
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.01	0.01	0.09
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.01	0.04
Toledo, OH	Ozone	Maintenance	100	-	0.03	0.06	0.37
Toms River, NJ	CO	Maintenance	100	-	0.00	0.01	0.06
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.01	0.07
Trenton, NJ	CO	Maintenance	100	-	0.00	0.01	0.06
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.05	0.10	0.64
Utah County, UT	PM ₁₀	Moderate	100	-	0.02	0.05	0.31
Vancouver, WA	CO	Maintenance	100	-	0.01	0.03	0.20
Ventura County, CA	Ozone	Serious	50	-	0.04	0.09	0.53
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.01	0.01	0.09
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.01	0.04
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	0.02
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.01
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.01	0.02	0.14
Washington, DC-MD-VA	CO	Maintenance	100	-	0.08	0.17	1.03
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.26	0.57	3.51
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.25	0.55	3.44
Washoe County, NV	PM ₁₀	Serious	70	-	0.01	0.03	0.16
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.05
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.01	0.05
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.01
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.01	0.02	0.10
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.10
Winston-Salem, NC	CO	Maintenance	100	-	0.02	0.04	0.27
Worcester, MA	CO	Maintenance	100	-	0.01	0.02	0.14
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.06
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	0.02
York, PA	Ozone	Maintenance	100	-	0.02	0.05	0.29
York, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.04	0.23
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.03	0.07	0.43
Yuma, AZ	PM ₁₀	Moderate	100	-	0.01	0.02	0.12

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

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

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

Source: EPA, 2008.

Table B1-42
Emission Changes μ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Formaldehyde 2025

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.22	0.66	2.06
Albuquerque, NM	CO	Maintenance	100	-	0.10	0.30	0.95
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.03	0.08	0.23
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.10	0.31	0.95
Altoona, PA	Ozone	Maintenance	100	-	0.02	0.05	0.16
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.03	0.09	0.27
Anchorage, AK	CO	Maintenance	100	-	0.02	0.07	0.23
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.01
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Atlanta, GA	Ozone	Moderate	50	-	1.16	3.47	10.78
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	1.16	3.47	10.79
Atlantic City, NJ	CO	Maintenance	100	-	0.01	0.03	0.08
Bakersfield, CA	CO	Maintenance	100	-	0.00	0.11	0.51
Baltimore, MD	CO	Maintenance	100	-	0.00	0.01	0.02
Baltimore, MD	Ozone	Moderate	50	-	0.52	1.55	4.81
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.52	1.55	4.81
Baton Rouge, LA	Ozone	Moderate	50	-	-1.54	-2.21	-3.22
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-5.77	-8.82	-14.66
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.03	0.09	0.29
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.01	0.04
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.03	0.08	0.24
Billings, MT	CO	Maintenance	100	-	0.01	0.04	0.12
Birmingham, AL	Ozone	Maintenance	100	-	0.17	0.52	1.63
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.18	0.53	1.64
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.06	0.17	0.52
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.06	0.17	0.52
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.01	0.03
Boston, MA	CO	Maintenance	100	-	0.15	0.44	1.37
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.88	2.64	8.22
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.11	0.34	1.05
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.00	-0.00	0.01
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.20	0.60	1.86
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.03
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	0.03
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.05	0.15	0.47
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.05	0.15	0.47
Case County, MI	Ozone	Maintenance	100	-	0.01	0.02	0.07
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.01
Charleston, WV	Ozone	Maintenance	100	-	0.05	0.14	0.44

Table B1-42
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Formaldehyde 2025

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.05	0.14	0.44
Charlotte, NC	CO	Maintenance	100	-	0.13	0.38	1.19
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.28	0.85	2.65
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.09	0.28	0.88
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.09	0.26	0.80
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	1.16	3.57	11.22
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	1.20	3.69	11.61
Chico, CA	CO	Maintenance	100	-	0.02	0.06	0.18
Chico, CA	Ozone	Former Subpart 1	50	-	0.04	0.13	0.40
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.34	1.02	3.17
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.33	0.99	3.08
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Clark County, NV	PM ₁₀	Serious	70	-	0.26	0.78	2.42
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.04	0.13	0.42
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.03	0.09	0.29
Cleveland, OH	CO	Maintenance	100	-	0.16	0.48	1.50
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.44	1.33	4.14
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.41	1.23	3.82
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.11	0.33	1.03
Colbert County, AL	SO _x	Maintenance	100	-	0.01	0.03	0.10
Colorado Springs, CO	CO	Maintenance	100	-	0.10	0.31	0.95
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Columbia, SC	Ozone	Former Subpart 1	50	-	0.11	0.34	1.05
Columbus, OH	Ozone	Maintenance	100	-	0.29	0.87	2.71
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.27	0.81	2.51
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.01
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.16	0.48	1.50
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.13	0.40	1.23
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	1.20	3.61	11.23
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.14	0.43	1.34
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.13	0.38	1.19
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.51	1.54	4.81
Denver-Boulder, CO	CO	Maintenance	100	-	0.49	1.48	4.60
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.62	1.86	5.79
Detroit, MI	CO	Maintenance	100	-	0.27	0.82	2.56
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.80	2.39	7.44
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.78	2.35	7.31
Door County, WI	Ozone	Former Subpart 1	50	-	0.01	0.02	0.06
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.01	0.02	0.06
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.01	0.05
Duluth, MN	CO	Maintenance	100	-	0.01	0.04	0.13
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.04	0.11	0.33
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.08	0.25	0.78
El Paso, TX	CO	Maintenance	100	-	0.01	0.02	0.05

Table B1-42
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Formaldehyde 2025

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Erie, PA	Ozone	Maintenance	100	-	0.04	0.12	0.37
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.04	0.12	0.37
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.04	0.11	0.35
Evansville, IN	Ozone	Maintenance	100	-	0.04	0.13	0.41
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.06	0.17	0.52
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.01	0.03
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.05	0.15	0.47
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Flint, MI	Ozone	Maintenance	100	-	0.09	0.27	0.84
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.03	0.09	0.28
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.06	0.19	0.59
Franklin County, PA	Ozone	Maintenance	100	-	0.03	0.08	0.24
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.02	0.07	0.21
Fredericksburg, VA	Ozone	Maintenance	100	-	0.07	0.21	0.67
Freehold, NJ	CO	Maintenance	100	-	0.00	0.01	0.03
Fresno, CA	CO	Maintenance	100	-	0.10	0.31	0.95
Grand Rapids, MI	Ozone	Maintenance	100	-	0.14	0.42	1.31
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.01	0.02	0.07
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.01	0.02	0.05
Great Falls, MT	CO	Maintenance	100	-	0.00	0.01	0.03
Greater Connecticut, CT	Ozone	Moderate	50	-	0.28	0.85	2.64
Greeley, CO	CO	Maintenance	100	-	0.02	0.06	0.20
Green Bay, WI	SO _x	Maintenance	100	-	0.02	0.06	0.20
Greene County, IN	Ozone	Maintenance	100	-	0.01	0.03	0.08
Greene County, PA	Ozone	Maintenance	100	-	0.01	0.02	0.07
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.28	0.84	2.61
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.14	0.41	1.29
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.15	0.46	1.44
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.01	0.04
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.02	0.06	0.19
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.15	0.44	1.38
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.14	0.41	1.27
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.18	0.55	1.71
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.01	0.02
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.01	0.02	0.06
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.01
Hazelwood, PA	SO _x	Maintenance	100	-	0.01	0.02	0.06
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.03	0.09	0.29
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.05	0.15	0.47
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-15.52	-22.57	-34.11
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00

Table B1-42
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Formaldehyde 2025

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.03	0.13	0.44
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.01	0.06	0.22
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.01	0.05
Imperial County, CA	Ozone	Moderate	50	-	0.04	0.11	0.35
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.04	0.11	0.35
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.01	0.02	0.05
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.35	1.04	3.22
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.27	0.82	2.56
Jackson County, IN	Ozone	Maintenance	100	-	0.01	0.04	0.13
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.03	0.08	0.25
Jefferson County, NY	Ozone	Moderate	50	-	0.02	0.06	0.20
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.04	0.11	0.35
Johnstown, PA	Ozone	Maintenance	100	-	0.02	0.05	0.16
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.06	0.18
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.09	0.26	0.81
Kalispell, MT	PM ₁₀	Moderate	100	-	0.01	0.02	0.05
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.29	0.86	2.68
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.02	0.07	0.23
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.04
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.01	0.04	0.13
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.01	0.04
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Klamath Falls, OR	CO	Maintenance	100	-	0.01	0.03	0.08
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.01	0.03	0.08
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.20	0.61	1.91
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.16	0.48	1.48
La Porte County, IN	SO _x	Maintenance	100	-	0.01	0.02	0.06
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Lake County, IN	SO _x	Maintenance	100	-	0.05	0.16	0.49
Lake County, OH	SO _x	Maintenance	100	-	0.01	0.02	0.06
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.01	0.02	0.05
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.01	0.03	0.10
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.01	0.03
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.08	0.23	0.72
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.08	0.23	0.72
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.08	0.25	0.77
LaPorte, IN	Ozone	Maintenance	100	-	0.02	0.05	0.16
Las Vegas, NV	CO	Serious	100	-	0.26	0.78	2.42
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.26	0.79	2.45
Lauderdale County, AL	SO _x	Maintenance	100	-	0.02	0.05	0.14
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01

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Formaldehyde 2025

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.02
Lima, OH	Ozone	Maintenance	100	-	0.02	0.06	0.17
Longmont, CO	CO	Maintenance	100	-	0.02	0.05	0.15
Lorain County, OH	SO _x	Maintenance	100	-	0.01	0.02	0.07
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	2.55	7.77	24.35
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	2.55	7.77	24.35
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	2.55	7.77	24.35
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	2.55	7.77	24.35
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	2.55	7.77	24.35
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.12	0.36	1.11
Louisville, KY-IN	Ozone	Maintenance	100	-	0.19	0.58	1.81
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.19	0.56	1.75
Lowell, MA	CO	Maintenance	100	-	0.02	0.06	0.18
Lucas County, OH	SO _x	Maintenance	100	-	0.05	0.15	0.48
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.01	0.03	0.10
Macon, GA	Ozone	Maintenance	100	-	0.04	0.11	0.34
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.04	0.11	0.33
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.04	0.13	0.39
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Manchester, NH	CO	Maintenance	100	-	0.01	0.04	0.12
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.02	0.05	0.16
Marion County, IN	SO _x	Maintenance	100	-	0.05	0.16	0.50
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.02	0.06	0.18
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.05	0.16	0.51
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.01	0.04
Medford, OR	CO	Maintenance	100	-	0.01	0.04	0.13
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.03	0.10	0.30
Memphis, TN-AR	Ozone	Maintenance	100	-	0.16	0.49	1.57
Memphis, TN	CO	Maintenance	100	-	0.14	0.45	1.44
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.01	0.02	0.05
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.01
Milwaukee, WI	SO _x	Maintenance	100	-	0.09	0.27	0.85
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.31	0.92	2.86
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.22	1.06	3.91
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.48	1.45	4.51
Missoula, MT	CO	Maintenance	100	-	0.01	0.03	0.10
Missoula, MT	PM ₁₀	Moderate	100	-	0.01	0.03	0.10
Modesto, CA	CO	Maintenance	100	-	0.05	0.16	0.50
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.02	0.05	0.17
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Morristown, NJ	CO	Maintenance	100	-	0.01	0.02	0.05
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.01	0.05
Muncie, IN	Ozone	Maintenance	100	-	0.02	0.06	0.19
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.01	0.02
Muskegon, MI	Ozone	Maintenance	100	-	0.02	0.07	0.21
Nashua, NH	CO	Maintenance	100	-	0.01	0.03	0.10

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Nashville, TN	Ozone	Former Subpart 1	50	-	0.20	0.71	2.41
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.02	0.07	0.23
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.02	0.07	0.22
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.14	0.41	1.26
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.01
New York County, NY	PM ₁₀	Moderate	100	-	0.08	0.24	0.73
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	1.35	4.04	12.58
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	2.56	7.68	23.89
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	2.54	7.61	23.68
Nogales, AZ	PM ₁₀	Moderate	100	-	0.01	0.02	0.07
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.27	0.81	2.53
Ogden, UT	CO	Maintenance	100	-	0.01	0.04	0.11
Ogden, UT	PM ₁₀	Moderate	100	-	0.01	0.04	0.11
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.01	0.03
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.02	0.06	0.17
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.01
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.02	0.07	0.23
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.03	0.08	0.23
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.01	0.03
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.02	0.05	0.16
Perth Amboy, NJ	CO	Maintenance	100	-	0.01	0.04	0.13
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.07	0.20	0.63
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-1.38	-1.02	1.53
Philidelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-1.02	0.06	4.87
Phoenix, AZ	CO	Maintenance	100	-	0.81	2.44	7.58
Phoenix, AZ	PM ₁₀	Serious	70	-	0.84	2.51	7.81
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.84	2.52	7.84
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.01	0.04
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.34	1.03	3.22
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.32	0.95	2.94
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.01	0.03
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.10	0.29	0.90
Portland, OR	CO	Maintenance	100	-	0.16	0.54	1.76
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.01	0.02	0.07
Poughkeepsie, NY	Ozone	Moderate	50	-	0.24	0.71	2.20
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Providence (entire State), RI	Ozone	Moderate	50	-	0.17	0.51	1.58
Provo, UT	CO	Maintenance	100	-	0.03	0.08	0.26
Raleigh-Durham, NC	CO	Maintenance	100	-	0.22	0.67	2.10

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.31	0.92	2.86
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.06	0.17	0.54
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.06	0.17	0.54
Reno, NV	CO	Maintenance	100	-	0.04	0.13	0.39
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.21	0.63	1.97
Rillito, AZ	PM ₁₀	Moderate	100	-	0.01	0.03	0.08
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.11	0.33	1.03
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.05	0.14	0.42
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.01	0.04	0.13
Rochester, NY	Ozone	Former Subpart 1	50	-	0.23	0.69	2.15
Rocky Mount, NC	Ozone	Maintenance	100	-	0.03	0.10	0.30
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.02	0.06	0.19
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.26	0.77	2.41
Sacramento Metro, CA	Ozone	Severe	25	-	0.46	1.39	4.33
Sacramento, CA	CO	Maintenance	100	-	0.29	0.86	2.69
Salem, OR	CO	Maintenance	100	-	0.02	0.07	0.21
Salt Lake City, UT	CO	Maintenance	100	-	0.02	0.09	0.30
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.16	0.51	1.62
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.18	0.53	1.66
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.32	0.96	2.99
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.07	0.22	0.69
San Diego, CA	CO	Maintenance	100	-	0.72	2.15	6.68
San Diego, CA	Ozone	Former Subpart 1	50	-	0.72	2.15	6.70
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-1.58	-0.83	3.28
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-1.43	-0.39	4.65
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.71	2.24	7.12
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.71	2.25	7.15
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.71	2.24	7.12
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.01	0.02	0.05
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.12	0.35	1.08
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.41	1.38	4.52
Sheboygan, WI	Ozone	Moderate	50	-	0.02	0.06	0.19
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.01	0.04
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.01	0.03
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.08	0.23	0.73
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.03	0.09	0.28
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.05	0.15	0.48
Spokane, WA	CO	Maintenance	100	-	0.05	0.15	0.47
Springfield (western MA), MA	Ozone	Moderate	50	-	0.15	0.46	1.43
Springfield, MA	CO	Maintenance	100	-	0.02	0.07	0.23
St Louis, MO	CO	Maintenance	100	-	0.16	0.47	1.47
St Louis, MO-IL	Ozone	Moderate	50	-	0.51	1.53	4.75

Table B1-42
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Formaldehyde 2025

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.51	1.52	4.72
State College, PA	Ozone	Maintenance	100	-	0.03	0.09	0.27
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	0.03
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.01	0.02	0.07
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.02	0.05	0.15
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.02	0.05	0.15
Stockton, CA	CO	Maintenance	100	-	0.08	0.24	0.75
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.09	0.27	0.82
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.02	0.07	0.21
Tioga County, PA	Ozone	Maintenance	100	-	0.01	0.03	0.09
Toledo, OH	Ozone	Maintenance	100	-	0.09	0.28	0.88
Toms River, NJ	CO	Maintenance	100	-	0.02	0.05	0.16
Tooele County, UT	SO _x	Nonattainment	100	-	0.02	0.05	0.16
Trenton, NJ	CO	Maintenance	100	-	0.02	0.05	0.14
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Tucson, AZ	CO	Maintenance	100	-	0.17	0.51	1.60
Utah County, UT	PM ₁₀	Moderate	100	-	0.08	0.25	0.78
Vancouver, WA	CO	Maintenance	100	-	0.05	0.16	0.50
Ventura County, CA	Ozone	Serious	50	-	0.14	0.43	1.35
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Vigo County, IN	SO _x	Maintenance	100	-	0.02	0.07	0.21
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.01	0.03	0.09
Warren County, NJ	SO _x	Maintenance	100	-	0.01	0.02	0.06
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.01	0.02
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.04	0.11	0.34
Washington, DC-MD-VA	CO	Maintenance	100	-	0.27	0.81	2.52
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.93	2.79	8.68
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.91	2.73	8.50
Washoe County, NV	PM ₁₀	Serious	70	-	0.04	0.13	0.39
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Wayne County, IN	SO _x	Maintenance	100	-	0.01	0.04	0.12
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.01	0.04	0.12
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.01	0.02
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.03	0.08	0.24
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.03	0.08	0.24
Winston-Salem, NC	CO	Maintenance	100	-	0.07	0.21	0.66
Worcester, MA	CO	Maintenance	100	-	0.04	0.11	0.35
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.02	0.05	0.15
Yakima, WA	CO	Maintenance	100	-	0.01	0.02	0.06

Table B1-42
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Formaldehyde 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
York, PA	Ozone	Maintenance	100	-	0.08	0.23	0.72
York, PA	PM _{2.5}	Nonattainment	100	-	0.06	0.18	0.56
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.11	0.33	1.03
Yuma, AZ	PM ₁₀	Moderate	100	-	0.03	0.10	0.30

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

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

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

Source: EPA, 2008.

Table B1-43
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Formaldehyde 2040

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.01	0.01
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.01	0.02
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	1.10	3.78	5.31
Albuquerque, NM	CO	Maintenance	100	-	0.50	1.72	2.42
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.13	0.46	0.64
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.51	1.75	2.45
Altoona, PA	Ozone	Maintenance	100	-	0.08	0.28	0.39
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.17	0.60	0.84
Anchorage, AK	CO	Maintenance	100	-	0.13	0.45	0.63
Anthony, NM	PM ₁₀	Moderate	100	-	0.01	0.02	0.03
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.01	0.02
Aspen, CO	PM ₁₀	Maintenance	100	-	0.01	0.02	0.03
Atlanta, GA	Ozone	Moderate	50	-	6.00	20.69	29.04
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	6.01	20.70	29.05
Atlantic City, NJ	CO	Maintenance	100	-	0.04	0.15	0.20
Bakersfield, CA	CO	Maintenance	100	-	0.21	1.05	1.42
Baltimore, MD	CO	Maintenance	100	-	0.01	0.03	0.04
Baltimore, MD	Ozone	Moderate	50	-	2.63	9.06	12.71
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	2.63	9.06	12.71
Baton Rouge, LA	Ozone	Moderate	50	-	-3.67	-5.28	-8.46
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-14.66	-24.77	-38.42
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.14	0.48	0.68
Benzie County, MI	Ozone	Maintenance	100	-	0.02	0.08	0.11
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.13	0.45	0.63
Billings, MT	CO	Maintenance	100	-	0.06	0.21	0.30
Birmingham, AL	Ozone	Maintenance	100	-	0.84	2.88	4.04
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.84	2.89	4.06
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.29	1.00	1.40
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.29	1.00	1.40
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.02	0.05	0.08
Boston, MA	CO	Maintenance	100	-	0.72	2.47	3.46
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	4.38	15.08	21.17
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.57	1.97	2.77
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.00	0.01	0.01
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.96	3.30	4.64
Burlington, NJ	CO	Maintenance	100	-	0.01	0.02	0.03
Butte, MT	PM ₁₀	Moderate	100	-	0.02	0.05	0.08
Canon City, CO	PM ₁₀	Maintenance	100	-	0.02	0.06	0.09
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.24	0.82	1.15
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.24	0.82	1.15
Case County, MI	Ozone	Maintenance	100	-	0.04	0.12	0.17
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.02	0.02
Charleston, WV	Ozone	Maintenance	100	-	0.22	0.75	1.05
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.22	0.75	1.05
Charlotte, NC	CO	Maintenance	100	-	0.67	2.29	3.22
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	1.47	5.06	7.10

Table B1-43
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Formaldehyde 2040

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.45	1.56	2.19
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.42	1.44	2.02
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	6.03	21.01	29.45
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	6.23	21.73	30.47
Chico, CA	CO	Maintenance	100	-	0.11	0.38	0.54
Chico, CA	Ozone	Former Subpart 1	50	-	0.24	0.84	1.18
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	1.68	5.81	8.15
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	1.63	5.63	7.90
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.01	0.04	0.05
Clark County, NV	PM ₁₀	Serious	70	-	1.42	4.91	6.89
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.23	0.80	1.12
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.15	0.52	0.72
Cleveland, OH	CO	Maintenance	100	-	0.72	2.49	3.50
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	2.13	7.32	10.28
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	1.95	6.72	9.44
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.63	2.18	3.06
Colbert County, AL	SO _x	Maintenance	100	-	0.05	0.16	0.22
Colorado Springs, CO	CO	Maintenance	100	-	0.54	1.87	2.62
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.01	0.02	0.02
Columbia, SC	Ozone	Former Subpart 1	50	-	0.56	1.92	2.69
Columbus, OH	Ozone	Maintenance	100	-	1.52	5.23	7.34
Columbus, OH	PM _{2.5}	Nonattainment	100	-	1.41	4.86	6.82
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.01	0.01
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.72	2.49	3.50
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.60	2.07	2.91
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	6.41	22.10	31.02
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.68	2.33	3.28
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.60	2.06	2.89
Denver Metro, CO	PM ₁₀	Maintenance	100	-	2.71	9.34	13.11
Denver-Boulder, CO	CO	Maintenance	100	-	2.59	8.93	12.53
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	3.27	11.27	15.81
Detroit, MI	CO	Maintenance	100	-	1.23	4.23	5.94
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	3.92	13.52	18.98
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	3.85	13.27	18.63
Door County, WI	Ozone	Former Subpart 1	50	-	0.03	0.11	0.16
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.03	0.10	0.14
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.02	0.08	0.11
Duluth, MN	CO	Maintenance	100	-	0.06	0.22	0.31
Eagle River, AK	PM ₁₀	Moderate	100	-	0.01	0.03	0.04
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.17	0.57	0.81
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.43	1.47	2.06
El Paso, TX	CO	Maintenance	100	-	0.03	0.09	0.13
Erie, PA	Ozone	Maintenance	100	-	0.19	0.64	0.90
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01

Table B1-43
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Formaldehyde 2040

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Eugene-Springfield, OR	CO	Maintenance	100	-	0.20	0.69	0.97
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.19	0.67	0.93
Evansville, IN	Ozone	Maintenance	100	-	0.21	0.73	1.03
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.27	0.93	1.31
Fairbanks, AK	CO	Maintenance	100	-	0.02	0.06	0.08
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.25	0.86	1.21
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.01	0.02	0.03
Flint, MI	Ozone	Maintenance	100	-	0.43	1.48	2.07
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.16	0.57	0.79
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.31	1.07	1.50
Franklin County, PA	Ozone	Maintenance	100	-	0.13	0.46	0.64
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.11	0.39	0.54
Fredericksburg, VA	Ozone	Maintenance	100	-	0.39	1.34	1.89
Freehold, NJ	CO	Maintenance	100	-	0.02	0.06	0.08
Fresno, CA	CO	Maintenance	100	-	0.54	1.85	2.60
Grand Rapids, MI	Ozone	Maintenance	100	-	0.72	2.48	3.48
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.03	0.11	0.15
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.01	0.01
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.03	0.11	0.15
Great Falls, MT	CO	Maintenance	100	-	0.01	0.05	0.07
Greater Connecticut, CT	Ozone	Moderate	50	-	1.36	4.69	6.58
Greeley, CO	CO	Maintenance	100	-	0.11	0.38	0.53
Green Bay, WI	SO _x	Maintenance	100	-	0.11	0.37	0.51
Greene County, IN	Ozone	Maintenance	100	-	0.04	0.14	0.20
Greene County, PA	Ozone	Maintenance	100	-	0.04	0.13	0.18
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	1.36	4.69	6.58
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.67	2.30	3.22
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.74	2.53	3.56
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.02	0.06	0.09
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.10	0.34	0.48
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.75	2.60	3.65
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.70	2.40	3.36
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.87	2.99	4.20
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.01	0.03	0.05
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.04	0.13	0.18
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.01	0.02
Hazelwood, PA	SO _x	Maintenance	100	-	0.03	0.12	0.16
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.14	0.49	0.69
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.24	0.83	1.16
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.01	0.01
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-37.33	-55.97	-88.89
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.01	0.01
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.20	0.76	1.05
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.08	0.36	0.49
Huron County, MI	Ozone	Maintenance	100	-	0.02	0.08	0.11

Table B1-43
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Formaldehyde 2040

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Imperial County, CA	Ozone	Moderate	50	-	0.21	0.71	1.00
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.20	0.70	0.98
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.03	0.09	0.13
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	1.76	6.06	8.51
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	1.40	4.82	6.76
Jackson County, IN	Ozone	Maintenance	100	-	0.07	0.23	0.32
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.13	0.44	0.62
Jefferson County, NY	Ozone	Moderate	50	-	0.10	0.36	0.50
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.01	0.02	0.03
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.18	0.61	0.86
Johnstown, PA	Ozone	Maintenance	100	-	0.07	0.25	0.35
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.08	0.28	0.39
Juneau, AK	PM ₁₀	Moderate	100	-	0.01	0.04	0.05
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.42	1.44	2.03
Kalispell, MT	PM ₁₀	Moderate	100	-	0.03	0.09	0.13
Kansas City, MO-KS	Ozone	Maintenance	100	-	1.47	5.06	7.10
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.13	0.44	0.61
Kent, WA	PM ₁₀	Maintenance	100	-	0.02	0.07	0.10
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.07	0.24	0.34
Kewaunee County, WI	Ozone	Maintenance	100	-	0.02	0.07	0.10
King County, WA	PM ₁₀	Maintenance	100	-	0.01	0.03	0.04
Klamath Falls, OR	CO	Maintenance	100	-	0.04	0.14	0.20
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.04	0.14	0.20
Knoxville, TN	Ozone	Former Subpart 1	50	-	1.08	3.72	5.23
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.82	2.84	3.99
La Porte County, IN	SO _x	Maintenance	100	-	0.03	0.09	0.13
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.01	0.04	0.06
Lake County, IN	SO _x	Maintenance	100	-	0.24	0.84	1.18
Lake County, OH	SO _x	Maintenance	100	-	0.03	0.10	0.14
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.02	0.02
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.03	0.11	0.15
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.07	0.23	0.33
Lake Tahoe, NV	CO	Maintenance	100	-	0.02	0.06	0.08
Lamar, CO	PM ₁₀	Maintenance	100	-	0.01	0.02	0.03
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Lancaster, PA	Ozone	Maintenance	100	-	0.39	1.34	1.88
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.39	1.34	1.88
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.40	1.39	1.95
LaPorte, IN	Ozone	Maintenance	100	-	0.08	0.26	0.37
Las Vegas, NV	CO	Serious	100	-	1.42	4.91	6.89
Las Vegas, NV	Ozone	Former Subpart 1	50	-	1.44	4.97	6.97
Lauderdale County, AL	SO _x	Maintenance	100	-	0.07	0.24	0.34
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.01
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.02	0.02
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.04	0.05
Lima, OH	Ozone	Maintenance	100	-	0.09	0.31	0.43

Table B1-43
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Formaldehyde 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Longmont, CO	CO	Maintenance	100	-	0.09	0.29	0.41
Lorain County, OH	SO _x	Maintenance	100	-	0.04	0.13	0.19
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	13.46	46.75	65.57
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	13.46	46.75	65.57
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	13.46	46.75	65.57
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	13.46	46.75	65.57
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	13.46	46.75	65.57
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.63	2.15	3.02
Louisville, KY-IN	Ozone	Maintenance	100	-	0.93	3.22	4.52
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.90	3.09	4.34
Lowell, MA	CO	Maintenance	100	-	0.10	0.35	0.49
Lucas County, OH	SO _x	Maintenance	100	-	0.24	0.82	1.15
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.05	0.17	0.24
Macon, GA	Ozone	Maintenance	100	-	0.16	0.57	0.80
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.16	0.56	0.79
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.01	0.01
Madison, WI	SO _x	Maintenance	100	-	0.23	0.78	1.10
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.01	0.04	0.05
Manchester, NH	CO	Maintenance	100	-	0.06	0.21	0.29
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.08	0.28	0.40
Marion County, IN	SO _x	Maintenance	100	-	0.25	0.87	1.22
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.11	0.38	0.54
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.27	0.93	1.31
Mason County, MI	Ozone	Maintenance	100	-	0.02	0.08	0.11
Medford, OR	CO	Maintenance	100	-	0.07	0.25	0.36
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.18	0.61	0.86
Memphis, TN-AR	Ozone	Maintenance	100	-	0.77	2.71	3.79
Memphis, TN	CO	Maintenance	100	-	0.71	2.50	3.50
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.03	0.09	0.13
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.01	0.02
Milwaukee, WI	SO _x	Maintenance	100	-	0.43	1.47	2.07
Milwaukee-Racine, WI	Ozone	Moderate	50	-	1.53	5.26	7.39
Minneapolis-St Paul, MN	CO	Maintenance	100	-	1.82	7.48	10.33
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	2.45	8.46	11.87
Missoula, MT	CO	Maintenance	100	-	0.05	0.18	0.26
Missoula, MT	PM ₁₀	Moderate	100	-	0.05	0.18	0.25
Modesto, CA	CO	Maintenance	100	-	0.30	1.03	1.44
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.10	0.35	0.49
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.01	0.01
Morristown, NJ	CO	Maintenance	100	-	0.03	0.11	0.15
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.02	0.08	0.11
Muncie, IN	Ozone	Maintenance	100	-	0.09	0.30	0.43
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.01	0.02
Muscatine County, IA	SO _x	Maintenance	100	-	0.01	0.04	0.06
Muskegon, MI	Ozone	Maintenance	100	-	0.11	0.38	0.54
Nashua, NH	CO	Maintenance	100	-	0.05	0.17	0.24
Nashville, TN	Ozone	Former Subpart 1	50	-	1.23	4.62	6.43

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Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Formaldehyde 2040

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.15	0.51	0.71
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.13	0.44	0.62
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.64	2.22	3.12
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.02	0.02
New York County, NY	PM ₁₀	Moderate	100	-	0.36	1.24	1.74
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	6.51	22.43	31.49
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	12.57	43.31	60.80
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	12.46	42.93	60.26
Nogales, AZ	PM ₁₀	Moderate	100	-	0.04	0.12	0.17
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	1.32	4.55	6.39
Ogden, UT	CO	Maintenance	100	-	0.06	0.20	0.28
Ogden, UT	PM ₁₀	Moderate	100	-	0.06	0.20	0.28
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	0.01
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.02	0.06	0.08
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.10	0.34	0.48
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.01	0.02
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.12	0.41	0.57
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.12	0.41	0.57
Payson, AZ	PM ₁₀	Maintenance	100	-	0.02	0.06	0.09
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.08	0.28	0.39
Perth Amboy, NJ	CO	Maintenance	100	-	0.08	0.26	0.36
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.30	1.05	1.47
Philadelaphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-1.80	3.25	3.23
Philidelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-0.03	9.35	11.78
Phoenix, AZ	CO	Maintenance	100	-	4.82	16.62	23.33
Phoenix, AZ	PM ₁₀	Serious	70	-	4.95	17.08	23.97
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	4.97	17.12	24.04
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.01	0.03	0.04
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.02	0.08	0.11
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	1.64	5.64	7.91
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	1.49	5.15	7.22
Polk County, TN	SO _x	Maintenance	100	-	0.02	0.06	0.08
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
Portland, ME	Ozone	Maintenance	100	-	0.48	1.65	2.31
Portland, OR	CO	Maintenance	100	-	0.87	3.18	4.44
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.04	0.12	0.17
Poughkeepsie, NY	Ozone	Moderate	50	-	1.26	4.36	6.12
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.01	0.02	0.03
Providence (entire State), RI	Ozone	Moderate	50	-	0.85	2.94	4.13
Provo, UT	CO	Maintenance	100	-	0.15	0.52	0.73
Raleigh-Durham, NC	CO	Maintenance	100	-	1.19	4.09	5.74
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	1.61	5.56	7.80
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.01	0.01

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Formaldehyde 2040

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Reading, PA	Ozone	Maintenance	100	-	0.28	0.96	1.35
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.28	0.96	1.35
Reno, NV	CO	Maintenance	100	-	0.21	0.72	1.01
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	1.03	3.56	5.00
Rillito, AZ	PM ₁₀	Moderate	100	-	0.05	0.16	0.23
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.63	2.18	3.06
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.21	0.74	1.04
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.07	0.24	0.34
Rochester, NY	Ozone	Former Subpart 1	50	-	1.12	3.87	5.44
Rocky Mount, NC	Ozone	Maintenance	100	-	0.15	0.52	0.73
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.10	0.34	0.48
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.01	0.01
Sacramento County, CA	PM ₁₀	Moderate	100	-	1.45	4.98	6.99
Sacramento Metro, CA	Ozone	Severe	25	-	2.65	9.14	12.83
Sacramento, CA	CO	Maintenance	100	-	1.62	5.60	7.86
Salem, OR	CO	Maintenance	100	-	0.11	0.37	0.53
Salt Lake City, UT	CO	Maintenance	100	-	0.15	0.58	0.80
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.86	3.03	4.24
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.90	3.09	4.34
San Antonio, TX	Ozone	Former Subpart 1	50	-	1.64	5.66	7.95
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.39	1.34	1.88
San Diego, CA	CO	Maintenance	100	-	3.93	13.54	19.01
San Diego, CA	Ozone	Former Subpart 1	50	-	3.94	13.57	19.04
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-1.06	8.15	9.77
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-0.32	10.71	13.35
San Joaquin Valley, CA	Ozone	Extreme	10	-	4.16	14.67	20.54
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	4.17	14.72	20.61
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	4.16	14.67	20.54
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.03	0.11	0.15
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.56	1.94	2.72
Seattle-Tacoma, WA	CO	Maintenance	100	-	2.39	8.70	12.14
Sheboygan, WI	Ozone	Moderate	50	-	0.10	0.36	0.50
Sheridan, WY	PM ₁₀	Moderate	100	-	0.02	0.06	0.09
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.02	0.05	0.07
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.38	1.31	1.84
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.13	0.43	0.61
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.26	0.91	1.27
Spokane, WA	CO	Maintenance	100	-	0.26	0.90	1.26
Springfield (western MA), MA	Ozone	Moderate	50	-	0.75	2.58	3.63
Springfield, MA	CO	Maintenance	100	-	0.13	0.43	0.60
St Louis, MO	CO	Maintenance	100	-	0.69	2.38	3.34
St Louis, MO-IL	Ozone	Moderate	50	-	2.41	8.29	11.64
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	2.39	8.24	11.56
State College, PA	Ozone	Maintenance	100	-	0.15	0.53	0.74

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Formaldehyde 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.02	0.06	0.09
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.03	0.11	0.16
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.07	0.26	0.36
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.07	0.26	0.36
Stockton, CA	CO	Maintenance	100	-	0.45	1.55	2.18
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.42	1.44	2.02
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	0.01
Terre Haute, IN	Ozone	Maintenance	100	-	0.10	0.35	0.49
Tioga County, PA	Ozone	Maintenance	100	-	0.04	0.15	0.22
Toledo, OH	Ozone	Maintenance	100	-	0.45	1.54	2.15
Toms River, NJ	CO	Maintenance	100	-	0.09	0.32	0.45
Tooele County, UT	SO _x	Nonattainment	100	-	0.09	0.30	0.43
Trenton, NJ	CO	Maintenance	100	-	0.08	0.26	0.37
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
Tucson, AZ	CO	Maintenance	100	-	0.90	3.10	4.35
Utah County, UT	PM ₁₀	Moderate	100	-	0.44	1.51	2.12
Vancouver, WA	CO	Maintenance	100	-	0.29	1.01	1.41
Ventura County, CA	Ozone	Serious	50	-	0.80	2.76	3.87
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.01	0.02	0.03
Vigo County, IN	SO _x	Maintenance	100	-	0.10	0.35	0.49
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.05	0.16	0.23
Warren County, NJ	SO _x	Maintenance	100	-	0.03	0.11	0.15
Warren County, PA	SO _x	Nonattainment	100	-	0.01	0.04	0.05
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.18	0.61	0.86
Washington, DC-MD-VA	CO	Maintenance	100	-	1.35	4.66	6.54
Washington, DC-MD-VA	Ozone	Moderate	50	-	4.84	16.67	23.40
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	4.73	16.30	22.88
Washoe County, NV	PM ₁₀	Serious	70	-	0.21	0.72	1.01
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.01	0.02
Wayne County, IN	SO _x	Maintenance	100	-	0.05	0.19	0.26
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.07	0.25	0.34
Weirton, WV	PM ₁₀	Maintenance	100	-	0.01	0.02	0.03
Weirton, WV	SO _x	Maintenance	100	-	0.01	0.03	0.04
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.11	0.39	0.55
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.11	0.39	0.55
Winston-Salem, NC	CO	Maintenance	100	-	0.35	1.21	1.70
Worcester, MA	CO	Maintenance	100	-	0.20	0.68	0.95
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.08	0.28	0.39
Yakima, WA	CO	Maintenance	100	-	0.04	0.13	0.18
York, PA	Ozone	Maintenance	100	-	0.39	1.34	1.89
York, PA	PM _{2.5}	Nonattainment	100	-	0.30	1.04	1.46
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.50	1.72	2.41
Yuma, AZ	PM ₁₀	Moderate	100	-	0.17	0.59	0.83

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

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

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

Source: EPA, 2008.

Table B1-44
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Formaldehyde 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.01	0.01
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.01	0.02	0.02
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.01	0.02	0.03
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	1.61	5.45	7.56
Albuquerque, NM	CO	Maintenance	100	-	0.73	2.45	3.40
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.20	0.69	0.96
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.74	2.50	3.47
Altoona, PA	Ozone	Maintenance	100	-	0.11	0.37	0.51
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.29	0.99	1.37
Anchorage, AK	CO	Maintenance	100	-	0.20	0.66	0.92
Anthony, NM	PM ₁₀	Moderate	100	-	0.01	0.03	0.04
Armstrong County, PA	SO _x	Nonattainment	100	-	0.01	0.02	0.03
Aspen, CO	PM ₁₀	Maintenance	100	-	0.01	0.03	0.04
Atlanta, GA	Ozone	Moderate	50	-	9.13	30.86	42.77
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	9.14	30.87	42.78
Atlantic City, NJ	CO	Maintenance	100	-	0.06	0.20	0.28
Bakersfield, CA	CO	Maintenance	100	-	0.36	1.63	2.19
Baltimore, MD	CO	Maintenance	100	-	0.01	0.04	0.05
Baltimore, MD	Ozone	Moderate	50	-	3.94	13.30	18.43
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	3.94	13.30	18.43
Baton Rouge, LA	Ozone	Moderate	50	-	-4.80	-6.89	-11.07
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-19.52	-33.21	-51.35
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Benton Harbor, MI	Ozone	Maintenance	100	-	0.19	0.63	0.87
Benzie County, MI	Ozone	Maintenance	100	-	0.04	0.12	0.17
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.19	0.66	0.91
Billings, MT	CO	Maintenance	100	-	0.09	0.30	0.42
Birmingham, AL	Ozone	Maintenance	100	-	1.18	4.00	5.54
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	1.19	4.01	5.56
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.44	1.49	2.06
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.44	1.49	2.06
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.03	0.09	0.12
Boston, MA	CO	Maintenance	100	-	1.03	3.49	4.84
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	6.42	21.68	30.04
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.86	2.89	4.01
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.00	0.01	0.01
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	1.37	4.62	6.40
Burlington, NJ	CO	Maintenance	100	-	0.01	0.02	0.03
Butte, MT	PM ₁₀	Moderate	100	-	0.02	0.07	0.10
Canon City, CO	PM ₁₀	Maintenance	100	-	0.03	0.10	0.14
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.33	1.12	1.56
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.33	1.12	1.56
Case County, MI	Ozone	Maintenance	100	-	0.05	0.17	0.24
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.01	0.02	0.03
Charleston, WV	Ozone	Maintenance	100	-	0.29	0.99	1.37

Table B1-44
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Formaldehyde 2060

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.29	0.99	1.37
Charlotte, NC	CO	Maintenance	100	-	1.02	3.44	4.77
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	2.22	7.51	10.41
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.65	2.19	3.03
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.60	2.03	2.81
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	9.00	30.71	42.51
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	9.31	31.75	43.96
Chico, CA	CO	Maintenance	100	-	0.19	0.64	0.88
Chico, CA	Ozone	Former Subpart 1	50	-	0.39	1.33	1.85
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	2.46	8.34	11.55
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	2.39	8.07	11.18
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.01	0.04	0.06
Clark County, NV	PM ₁₀	Serious	70	-	2.26	7.64	10.58
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.35	1.18	1.64
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.21	0.72	1.00
Cleveland, OH	CO	Maintenance	100	-	0.96	3.25	4.50
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	3.02	10.19	14.12
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	2.76	9.32	12.91
Coachella Valley, CA	PM ₁₀	Serious	70	-	1.03	3.49	4.84
Colbert County, AL	SO _x	Maintenance	100	-	0.06	0.20	0.28
Colorado Springs, CO	CO	Maintenance	100	-	0.84	2.84	3.94
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.01	0.03	0.04
Columbia, SC	Ozone	Former Subpart 1	50	-	0.82	2.77	3.83
Columbus, OH	Ozone	Maintenance	100	-	2.32	7.84	10.87
Columbus, OH	PM _{2.5}	Nonattainment	100	-	2.16	7.30	10.12
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.01	0.01
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.96	3.25	4.50
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.83	2.80	3.88
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	9.95	33.62	46.60
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.94	3.19	4.42
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.83	2.80	3.88
Denver Metro, CO	PM ₁₀	Maintenance	100	-	4.16	14.06	19.49
Denver-Boulder, CO	CO	Maintenance	100	-	3.98	13.44	18.63
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	5.03	16.98	23.53
Detroit, MI	CO	Maintenance	100	-	1.50	5.06	7.02
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	5.71	19.27	26.71
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	5.60	18.91	26.21
Door County, WI	Ozone	Former Subpart 1	50	-	0.05	0.17	0.23
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.04	0.14	0.19
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.03	0.11	0.16
Duluth, MN	CO	Maintenance	100	-	0.09	0.30	0.42
Eagle River, AK	PM ₁₀	Moderate	100	-	0.01	0.04	0.06
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.23	0.79	1.09
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.01
El Paso County, TX	PM ₁₀	Moderate	100	-	0.63	2.14	2.97
El Paso, TX	CO	Maintenance	100	-	0.04	0.13	0.18

Table B1-44
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Formaldehyde 2060

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Erie, PA	Ozone	Maintenance	100	-	0.26	0.88	1.22
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.01	0.01
Eugene-Springfield, OR	CO	Maintenance	100	-	0.30	1.02	1.41
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.29	0.98	1.36
Evansville, IN	Ozone	Maintenance	100	-	0.31	1.03	1.43
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.39	1.30	1.80
Fairbanks, AK	CO	Maintenance	100	-	0.02	0.08	0.12
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.37	1.23	1.71
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.01	0.04	0.05
Flint, MI	Ozone	Maintenance	100	-	0.61	2.06	2.85
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.26	0.87	1.20
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.45	1.53	2.12
Franklin County, PA	Ozone	Maintenance	100	-	0.20	0.67	0.92
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.16	0.55	0.77
Fredericksburg, VA	Ozone	Maintenance	100	-	0.61	2.08	2.88
Freehold, NJ	CO	Maintenance	100	-	0.03	0.10	0.13
Fresno, CA	CO	Maintenance	100	-	0.82	2.78	3.85
Grand Rapids, MI	Ozone	Maintenance	100	-	1.09	3.67	5.09
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.04	0.14	0.20
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.01	0.01
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.05	0.16	0.23
Great Falls, MT	CO	Maintenance	100	-	0.02	0.06	0.09
Greater Connecticut, CT	Ozone	Moderate	50	-	1.93	6.53	9.05
Greeley, CO	CO	Maintenance	100	-	0.17	0.57	0.78
Green Bay, WI	SO _x	Maintenance	100	-	0.16	0.53	0.73
Greene County, IN	Ozone	Maintenance	100	-	0.06	0.20	0.28
Greene County, PA	Ozone	Maintenance	100	-	0.05	0.18	0.24
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	1.96	6.62	9.18
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.95	3.21	4.45
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	1.04	3.50	4.85
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.03	0.09	0.13
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.14	0.49	0.67
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	1.13	3.83	5.30
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	1.04	3.52	4.89
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	1.22	4.11	5.70
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.01	0.05	0.07
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.06	0.20	0.27
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.01	0.02	0.03
Hazelwood, PA	SO _x	Maintenance	100	-	0.05	0.17	0.23
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.20	0.67	0.93
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.34	1.15	1.59
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.01	0.01
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-46.00	-67.83	-108.26
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.01	0.02

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Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.27	1.03	1.41
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.11	0.47	0.63
Huron County, MI	Ozone	Maintenance	100	-	0.03	0.11	0.15
Imperial County, CA	Ozone	Moderate	50	-	0.33	1.10	1.52
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.32	1.08	1.49
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.04	0.13	0.18
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	2.63	8.90	12.33
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	2.10	7.08	9.82
Jackson County, IN	Ozone	Maintenance	100	-	0.09	0.32	0.44
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.18	0.62	0.86
Jefferson County, NY	Ozone	Moderate	50	-	0.15	0.50	0.70
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.01	0.02	0.03
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.25	0.84	1.17
Johnstown, PA	Ozone	Maintenance	100	-	0.09	0.31	0.43
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.10	0.34	0.47
Juneau, AK	PM ₁₀	Moderate	100	-	0.02	0.06	0.08
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.60	2.02	2.80
Kalispell, MT	PM ₁₀	Moderate	100	-	0.04	0.14	0.20
Kansas City, MO-KS	Ozone	Maintenance	100	-	2.20	7.44	10.32
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.19	0.65	0.90
Kent, WA	PM ₁₀	Maintenance	100	-	0.03	0.11	0.16
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.10	0.34	0.47
Kewaunee County, WI	Ozone	Maintenance	100	-	0.03	0.10	0.13
King County, WA	PM ₁₀	Maintenance	100	-	0.01	0.04	0.06
Klamath Falls, OR	CO	Maintenance	100	-	0.06	0.19	0.27
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.06	0.19	0.27
Knoxville, TN	Ozone	Former Subpart 1	50	-	1.66	5.61	7.78
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	1.25	4.23	5.87
La Porte County, IN	SO _x	Maintenance	100	-	0.04	0.13	0.18
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.02	0.06	0.09
Lake County, IN	SO _x	Maintenance	100	-	0.34	1.13	1.57
Lake County, OH	SO _x	Maintenance	100	-	0.04	0.14	0.20
Lake County, OR	PM ₁₀	Maintenance	100	-	0.01	0.02	0.03
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.05	0.18	0.25
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.12	0.40	0.56
Lake Tahoe, NV	CO	Maintenance	100	-	0.02	0.08	0.11
Lamar, CO	PM ₁₀	Maintenance	100	-	0.01	0.03	0.05
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Lancaster, PA	Ozone	Maintenance	100	-	0.57	1.94	2.69
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.57	1.94	2.69
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.59	1.98	2.74
LaPorte, IN	Ozone	Maintenance	100	-	0.10	0.35	0.49
Las Vegas, NV	CO	Serious	100	-	2.26	7.64	10.58
Las Vegas, NV	Ozone	Former Subpart 1	50	-	2.28	7.71	10.69
Lauderdale County, AL	SO _x	Maintenance	100	-	0.10	0.33	0.46
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.01	0.01
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.02	0.02

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Formaldehyde 2060

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.03
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.04	0.06
Lima, OH	Ozone	Maintenance	100	-	0.12	0.42	0.58
Longmont, CO	CO	Maintenance	100	-	0.14	0.46	0.64
Lorain County, OH	SO _x	Maintenance	100	-	0.06	0.19	0.27
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	20.51	69.75	96.59
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	20.51	69.75	96.59
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	20.51	69.75	96.59
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	20.51	69.75	96.59
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	20.51	69.74	96.59
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.96	3.24	4.49
Louisville, KY-IN	Ozone	Maintenance	100	-	1.33	4.50	6.24
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	1.27	4.28	5.93
Lowell, MA	CO	Maintenance	100	-	0.15	0.52	0.72
Lucas County, OH	SO _x	Maintenance	100	-	0.32	1.10	1.52
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.07	0.23	0.32
Macon, GA	Ozone	Maintenance	100	-	0.22	0.75	1.04
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.22	0.74	1.03
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.01	0.01
Madison, WI	SO _x	Maintenance	100	-	0.36	1.21	1.67
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.02	0.06	0.09
Manchester, NH	CO	Maintenance	100	-	0.08	0.27	0.37
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.12	0.39	0.54
Marion County, IN	SO _x	Maintenance	100	-	0.35	1.17	1.63
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.18	0.61	0.85
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.40	1.34	1.85
Mason County, MI	Ozone	Maintenance	100	-	0.03	0.11	0.16
Medford, OR	CO	Maintenance	100	-	0.12	0.40	0.55
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.28	0.96	1.32
Memphis, TN-AR	Ozone	Maintenance	100	-	1.07	3.68	5.09
Memphis, TN	CO	Maintenance	100	-	0.99	3.41	4.71
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.04	0.14	0.20
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.01	0.02	0.02
Milwaukee, WI	SO _x	Maintenance	100	-	0.60	2.03	2.82
Milwaukee-Racine, WI	Ozone	Moderate	50	-	2.24	7.58	10.50
Minneapolis-St Paul, MN	CO	Maintenance	100	-	2.83	11.12	15.16
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	3.67	12.39	17.17
Missoula, MT	CO	Maintenance	100	-	0.08	0.27	0.37
Missoula, MT	PM ₁₀	Moderate	100	-	0.08	0.26	0.36
Modesto, CA	CO	Maintenance	100	-	0.47	1.60	2.22
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.16	0.56	0.77
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.01	0.02
Morristown, NJ	CO	Maintenance	100	-	0.05	0.17	0.24
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.03	0.11	0.15
Muncie, IN	Ozone	Maintenance	100	-	0.12	0.39	0.54
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.01	0.02	0.03
Muscatine County, IA	SO _x	Maintenance	100	-	0.02	0.07	0.09
Muskegon, MI	Ozone	Maintenance	100	-	0.16	0.55	0.76
Nashua, NH	CO	Maintenance	100	-	0.06	0.22	0.30

Table B1-44
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Formaldehyde 2060

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Nashville, TN	Ozone	Former Subpart 1	50	-	1.91	6.92	9.51
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.25	0.84	1.17
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.20	0.69	0.95
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.91	3.07	4.25
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.01	0.02	0.03
New York County, NY	PM ₁₀	Moderate	100	-	0.49	1.65	2.29
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	9.31	31.46	43.60
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	18.24	61.62	85.40
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	18.07	61.05	84.61
Nogales, AZ	PM ₁₀	Moderate	100	-	0.05	0.18	0.25
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	1.90	6.43	8.92
Ogden, UT	CO	Maintenance	100	-	0.08	0.28	0.38
Ogden, UT	PM ₁₀	Moderate	100	-	0.08	0.28	0.38
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	0.01
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.02	0.07	0.10
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.15	0.52	0.72
Owens Valley, CA	PM ₁₀	Serious	70	-	0.01	0.02	0.03
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.17	0.56	0.77
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.17	0.56	0.78
Payson, AZ	PM ₁₀	Maintenance	100	-	0.03	0.09	0.13
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.11	0.38	0.52
Perth Amboy, NJ	CO	Maintenance	100	-	0.12	0.42	0.58
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.41	1.38	1.91
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-2.03	5.15	5.19
Philidelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.55	13.85	17.24
Phoenix, AZ	CO	Maintenance	100	-	8.06	27.24	37.76
Phoenix, AZ	PM ₁₀	Serious	70	-	8.27	27.93	38.72
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	8.29	28.00	38.81
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.01	0.04	0.05
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.04	0.13	0.19
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	2.30	7.77	10.76
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	2.10	7.09	9.83
Polk County, TN	SO _x	Maintenance	100	-	0.02	0.08	0.12
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.02	0.02
Portland, ME	Ozone	Maintenance	100	-	0.69	2.35	3.25
Portland, OR	CO	Maintenance	100	-	1.28	4.53	6.24
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.05	0.17	0.24
Poughkeepsie, NY	Ozone	Moderate	50	-	1.97	6.67	9.24
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.01	0.03	0.05
Providence (entire State), RI	Ozone	Moderate	50	-	1.27	4.28	5.93
Provo, UT	CO	Maintenance	100	-	0.24	0.80	1.10
Raleigh-Durham, NC	CO	Maintenance	100	-	1.83	6.17	8.55

Table B1-44
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Formaldehyde 2060

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	2.48	8.37	11.60
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.01	0.01
Reading, PA	Ozone	Maintenance	100	-	0.40	1.36	1.88
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.40	1.36	1.88
Reno, NV	CO	Maintenance	100	-	0.30	1.02	1.42
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.01	0.01
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	1.50	5.07	7.02
Rillito, AZ	PM ₁₀	Moderate	100	-	0.08	0.25	0.35
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	1.03	3.49	4.84
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.30	1.02	1.42
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.10	0.35	0.49
Rochester, NY	Ozone	Former Subpart 1	50	-	1.62	5.48	7.59
Rocky Mount, NC	Ozone	Maintenance	100	-	0.21	0.72	0.99
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.14	0.48	0.67
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.01	0.01
Sacramento County, CA	PM ₁₀	Moderate	100	-	2.33	7.86	10.89
Sacramento Metro, CA	Ozone	Severe	25	-	4.32	14.58	20.21
Sacramento, CA	CO	Maintenance	100	-	2.62	8.85	12.26
Salem, OR	CO	Maintenance	100	-	0.15	0.52	0.72
Salt Lake City, UT	CO	Maintenance	100	-	0.23	0.86	1.18
Salt Lake County, UT	PM ₁₀	Moderate	100	-	1.29	4.43	6.13
Salt Lake County, UT	SO _x	Nonattainment	100	-	1.34	4.52	6.26
San Antonio, TX	Ozone	Former Subpart 1	50	-	2.48	8.36	11.59
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.58	1.97	2.73
San Diego, CA	CO	Maintenance	100	-	6.23	21.04	29.16
San Diego, CA	Ozone	Former Subpart 1	50	-	6.24	21.08	29.21
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-0.22	14.28	17.34
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.87	17.95	22.44
San Joaquin Valley, CA	Ozone	Extreme	10	-	6.70	23.07	31.90
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	6.72	23.12	31.98
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	6.70	23.07	31.90
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.05	0.17	0.23
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.81	2.74	3.80
Seattle-Tacoma, WA	CO	Maintenance	100	-	3.69	13.01	17.94
Sheboygan, WI	Ozone	Moderate	50	-	0.15	0.52	0.72
Sheridan, WY	PM ₁₀	Moderate	100	-	0.03	0.09	0.12
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.02	0.08	0.11
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.55	1.85	2.57
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.15	0.49	0.69
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.40	1.34	1.86
Spokane, WA	CO	Maintenance	100	-	0.39	1.32	1.83
Springfield (western MA), MA	Ozone	Moderate	50	-	1.08	3.65	5.06
Springfield, MA	CO	Maintenance	100	-	0.19	0.64	0.89
St Louis, MO	CO	Maintenance	100	-	0.90	3.03	4.19
St Louis, MO-IL	Ozone	Moderate	50	-	3.37	11.38	15.78

Table B1-44
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Formaldehyde 2060

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	3.35	11.31	15.67
State College, PA	Ozone	Maintenance	100	-	0.23	0.78	1.08
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.03	0.10	0.14
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.04	0.15	0.21
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.10	0.33	0.46
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.10	0.33	0.46
Stockton, CA	CO	Maintenance	100	-	0.74	2.49	3.45
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.59	1.98	2.75
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	0.01
Terre Haute, IN	Ozone	Maintenance	100	-	0.13	0.45	0.63
Tioga County, PA	Ozone	Maintenance	100	-	0.06	0.21	0.29
Toledo, OH	Ozone	Maintenance	100	-	0.62	2.10	2.92
Toms River, NJ	CO	Maintenance	100	-	0.15	0.50	0.69
Tooele County, UT	SO _x	Nonattainment	100	-	0.13	0.44	0.62
Trenton, NJ	CO	Maintenance	100	-	0.11	0.38	0.53
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.02	0.02
Tucson, AZ	CO	Maintenance	100	-	1.38	4.66	6.46
Utah County, UT	PM ₁₀	Moderate	100	-	0.67	2.27	3.15
Vancouver, WA	CO	Maintenance	100	-	0.46	1.55	2.15
Ventura County, CA	Ozone	Serious	50	-	1.28	4.31	5.97
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.01	0.03	0.04
Vigo County, IN	SO _x	Maintenance	100	-	0.13	0.45	0.63
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.07	0.23	0.32
Warren County, NJ	SO _x	Maintenance	100	-	0.05	0.15	0.21
Warren County, PA	SO _x	Nonattainment	100	-	0.01	0.05	0.07
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.25	0.86	1.19
Washington, DC-MD-VA	CO	Maintenance	100	-	2.06	6.94	9.62
Washington, DC-MD-VA	Ozone	Moderate	50	-	7.37	24.88	34.49
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	7.19	24.31	33.69
Washoe County, NV	PM ₁₀	Serious	70	-	0.30	1.02	1.42
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.02	0.02
Wayne County, IN	SO _x	Maintenance	100	-	0.07	0.24	0.34
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.15	0.52	0.71
Weirton, WV	PM ₁₀	Maintenance	100	-	0.01	0.03	0.03
Weirton, WV	SO _x	Maintenance	100	-	0.01	0.04	0.05
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.15	0.51	0.70
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.15	0.51	0.70
Winston-Salem, NC	CO	Maintenance	100	-	0.52	1.74	2.42
Worcester, MA	CO	Maintenance	100	-	0.31	1.04	1.44
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.12	0.40	0.55
Yakima, WA	CO	Maintenance	100	-	0.06	0.20	0.27

Table B1-44
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis A
Formaldehyde 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
York, PA	Ozone	Maintenance	100	-	0.58	1.97	2.73
York, PA	PM _{2.5}	Nonattainment	100	-	0.45	1.52	2.11
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.67	2.27	3.15
Yuma, AZ	PM ₁₀	Moderate	100	-	0.27	0.91	1.26

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

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

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

Source: EPA, 2008.

Analysis B

Table B1-1
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Carbon Monoxide (CO) 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.17	0.21	-0.05
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.34	0.42	-0.10
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.35	0.44	-0.10
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	106.02	132.43	-30.00
Albuquerque, NM	CO	Maintenance	100	-	49.13	61.36	-13.85
Allegan County, MI	Ozone	Former Subpart 1	50	-	11.83	14.77	-3.33
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	49.23	61.48	-14.08
Altoona, PA	Ozone	Maintenance	100	-	8.68	10.85	-2.45
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	12.77	15.95	-3.60
Anchorage, AK	CO	Maintenance	100	-	11.49	14.35	-3.24
Anthony, NM	PM ₁₀	Moderate	100	-	0.63	0.79	-0.18
Armstrong County, PA	SO _x	Nonattainment	100	-	0.41	0.51	-0.12
Aspen, CO	PM ₁₀	Maintenance	100	-	0.57	0.72	-0.16
Atlanta, GA	Ozone	Moderate	50	-	547.24	683.54	-154.71
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	547.57	683.95	-154.80
Atlantic City, NJ	CO	Maintenance	100	-	4.32	5.40	-1.22
Bakersfield, CA	CO	Maintenance	100	-	35.29	43.97	-11.66
Baltimore, MD	CO	Maintenance	100	-	0.85	1.06	-0.27
Baltimore, MD	Ozone	Moderate	50	-	245.77	306.93	-70.19
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	245.77	306.93	-70.19
Baton Rouge, LA	Ozone	Moderate	50	-	-4.02	-17.65	-180.87
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-20.83	-36.86	-150.32
Benton County, TN	SO _x	Maintenance	100	-	0.10	0.12	-0.03
Benton Harbor, MI	Ozone	Maintenance	100	-	15.44	19.29	-4.37
Benzie County, MI	Ozone	Maintenance	100	-	1.82	2.27	-0.51
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	12.06	15.06	-3.40
Billings, MT	CO	Maintenance	100	-	-4.83	-8.20	-29.91
Birmingham, AL	Ozone	Maintenance	100	-	84.85	105.90	-25.23
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	85.12	106.24	-25.31
Boise-Northern Ada County, ID	CO	Maintenance	100	-	26.47	33.03	-7.89
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	26.47	33.03	-7.89
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	1.34	1.67	-0.38
Boston, MA	CO	Maintenance	100	-	71.38	89.16	-20.12
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	424.01	529.64	-119.51
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	53.47	66.79	-15.07
Boyd County (part), KY	SO _x	Maintenance	100	-	0.83	1.04	-0.23
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	96.75	120.86	-27.27
Burlington, NJ	CO	Maintenance	100	-	0.71	0.89	-0.20
Butte, MT	PM ₁₀	Moderate	100	-	1.80	2.25	-0.51
Canon City, CO	PM ₁₀	Maintenance	100	-	1.57	1.97	-0.44

Table B1-1
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Carbon Monoxide (CO) 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Canton-Massillon, OH	Ozone	Maintenance	100	-	22.12	27.09	-14.13
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	22.12	27.09	-14.13
Case County, MI	Ozone	Maintenance	100	-	3.67	4.58	-1.03
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.06	0.07	-0.02
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.55	0.69	-0.16
Charleston, WV	Ozone	Maintenance	100	-	23.64	29.53	-6.66
Charleston, WV	PM _{2.5}	Nonattainment	100	-	23.64	29.53	-6.66
Charlotte, NC	CO	Maintenance	100	-	60.02	74.98	-16.92
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	134.87	168.47	-38.01
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	45.81	57.22	-12.92
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	41.57	51.93	-11.73
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	500.33	608.57	-377.47
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	520.21	633.39	-383.07
Chico, CA	CO	Maintenance	100	-	8.47	10.58	-2.39
Chico, CA	Ozone	Former Subpart 1	50	-	19.82	24.76	-5.59
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	163.75	204.55	-46.15
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	159.07	198.69	-44.83
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	1.20	1.50	-0.34
Clark County, NV	PM ₁₀	Serious	70	-	120.21	150.15	-33.88
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	21.27	26.56	-5.99
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	15.12	18.89	-4.26
Cleveland, OH	CO	Maintenance	100	-	80.29	100.30	-22.63
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	216.31	270.20	-60.97
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	199.75	249.51	-56.30
Coachella Valley, CA	PM ₁₀	Serious	70	-	50.32	62.86	-14.18
Colbert County, AL	SO _x	Maintenance	100	-	5.13	6.40	-1.45
Colorado Springs, CO	CO	Maintenance	100	-	47.40	59.10	-14.80
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.44	0.55	-0.12
Columbia, SC	Ozone	Former Subpart 1	50	-	54.10	67.58	-15.25
Columbus, OH	Ozone	Maintenance	100	-	137.03	171.17	-38.62
Columbus, OH	PM _{2.5}	Nonattainment	100	-	126.99	158.63	-35.79
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.28	0.35	-0.09
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.03	0.04	-0.01
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	80.30	100.30	-22.63
Cuyahoga County, OH	SO _x	Maintenance	100	-	65.42	81.72	-18.44
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	564.16	704.64	-160.00
Dayton-Springfield, OH	Ozone	Maintenance	100	-	70.65	88.25	-19.91
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	62.51	78.08	-17.62
Denver Metro, CO	PM ₁₀	Maintenance	100	-	236.56	294.24	-84.65
Denver-Boulder, CO	CO	Maintenance	100	-	226.02	281.08	-81.68
Denver-Boulder-Greeley-Fort Collins-Loveland,	Ozone	Former	50	-	286.38	356.48	-98.73

Table B1-1
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Carbon Monoxide (CO) 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
CO		Subpart 1					
Detroit, MI	CO	Maintenance	100	-	133.28	166.00	-44.58
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	382.24	476.83	-116.84
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	375.10	467.91	-114.83
Door County, WI	Ozone	Former Subpart 1	50	-	3.02	3.77	-0.85
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	2.96	3.70	-0.83
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	2.33	2.91	-0.66
Duluth, MN	CO	Maintenance	100	-	6.92	8.64	-1.95
Eagle River, AK	PM ₁₀	Moderate	100	-	0.69	0.86	-0.19
East Chicago, IN	CO	Maintenance	100	-	0.09	0.11	-0.03
East Chicago, IN	PM ₁₀	Maintenance	100	-	-24.54	-39.00	-113.32
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.08	0.10	-0.02
El Paso County, TX	PM ₁₀	Moderate	100	-	36.66	45.14	-19.80
El Paso, TX	CO	Maintenance	100	-	2.61	3.26	-0.74
Erie, PA	Ozone	Maintenance	100	-	19.23	24.02	-5.42
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.13	0.16	-0.04
Eugene-Springfield, OR	CO	Maintenance	100	-	18.99	23.72	-5.35
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	18.13	22.65	-5.11
Evansville, IN	Ozone	Maintenance	100	-	21.19	26.47	-5.97
Evansville, IN	PM _{2.5}	Nonattainment	100	-	27.31	34.11	-7.70
Fairbanks, AK	CO	Maintenance	100	-	1.40	1.75	-0.39
Fayetteville, NC	Ozone	Former Subpart 1	50	-	24.55	30.67	-6.92
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.58	0.72	-0.16
Flint, MI	Ozone	Maintenance	100	-	43.64	54.51	-12.30
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.10	0.12	-0.03
Fort Collins, CO	CO	Maintenance	100	-	14.24	17.79	-4.01
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.06	0.08	-0.02
Fort Wayne, IN	Ozone	Maintenance	100	-	30.34	37.90	-8.55
Franklin County, PA	Ozone	Maintenance	100	-	12.56	15.69	-3.54
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.06	0.08	-0.02
Frederick County, VA	Ozone	Former Subpart 1	50	-	10.85	13.55	-3.06
Fredericksburg, VA	Ozone	Maintenance	100	-	33.32	41.61	-9.39
Freehold, NJ	CO	Maintenance	100	-	1.39	1.73	-0.39
Fresno, CA	CO	Maintenance	100	-	47.72	59.59	-13.64
Grand Rapids, MI	Ozone	Maintenance	100	-	66.58	83.17	-18.77
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	3.48	4.35	-0.99
Grant County, NM	SO _x	Maintenance	100	-	0.23	0.29	-0.06
Grants Pass, OR	CO	Maintenance	100	-	0.04	0.05	-0.01
Grants Pass, OR	PM ₁₀	Maintenance	100	-	2.66	3.32	-0.75
Great Falls, MT	CO	Maintenance	100	-	1.69	2.11	-0.48
Greater Connecticut, CT	Ozone	Moderate	50	-	137.97	172.33	-39.14

Table B1-1
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Carbon Monoxide (CO) 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Greeley, CO	CO	Maintenance	100	-	10.08	12.59	-2.84
Green Bay, WI	SO _x	Maintenance	100	-	10.15	12.68	-2.86
Greene County, IN	Ozone	Maintenance	100	-	4.05	5.05	-1.14
Greene County, PA	Ozone	Maintenance	100	-	3.82	4.78	-1.08
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	135.57	169.32	-38.53
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	67.20	83.92	-19.26
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	75.45	94.22	-21.61
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	1.89	2.35	-0.53
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	9.54	11.92	-2.69
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	70.28	87.78	-19.91
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	64.90	81.06	-18.40
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	89.61	111.92	-25.50
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.81	1.01	-0.23
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	3.15	3.93	-0.89
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.41	0.51	-0.12
Hazelwood, PA	SO _x	Maintenance	100	-	3.37	4.21	-0.96
Hickory, NC	PM _{2.5}	Nonattainment	100	-	15.08	18.84	-4.25
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	24.68	30.83	-6.96
Hollis Township, IL	SO _x	Maintenance	100	-	0.21	0.26	-0.06
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	373.52	448.78	-361.56
Humphreys County, TN	SO _x	Maintenance	100	-	0.23	0.28	-0.06
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-15.64	-27.78	-114.33
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-27.26	-42.29	-111.05
Huron County, MI	Ozone	Maintenance	100	-	2.40	3.00	-0.68
Imperial County, CA	Ozone	Moderate	50	-	17.59	21.97	-4.96
Imperial Valley, CA	PM ₁₀	Serious	70	-	17.19	21.47	-4.84
Indian Wells, CA	PM ₁₀	Maintenance	100	-	2.82	3.52	-0.79
Indianapolis, IN	CO	Maintenance	100	-	0.09	0.11	-0.02
Indianapolis, IN	Ozone	Maintenance	100	-	164.95	206.04	-46.49
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	130.63	163.18	-36.82
Jackson County, IN	Ozone	Maintenance	100	-	6.64	8.30	-1.87
Jamestown, NY	Ozone	Former Subpart 1	50	-	13.02	16.26	-3.67
Jefferson County, NY	Ozone	Moderate	50	-	10.32	12.90	-2.91
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.67	0.84	-0.19
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	18.25	22.80	-5.14
Johnstown, PA	Ozone	Maintenance	100	-	8.82	11.02	-2.49
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	9.66	12.07	-2.72
Juneau, AK	PM ₁₀	Moderate	100	-	0.86	1.07	-0.24
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	42.29	52.83	-11.92
Kalispell, MT	PM ₁₀	Moderate	100	-	2.38	2.97	-0.67

Table B1-1
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Carbon Monoxide (CO) 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Kansas City, MO-KS	Ozone	Maintenance	100	-	136.63	170.60	-39.55
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	11.77	14.70	-3.32
Kent, WA	PM ₁₀	Maintenance	100	-	2.02	2.53	-0.57
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	6.89	8.61	-1.94
Kewaunee County, WI	Ozone	Maintenance	100	-	2.07	2.59	-0.58
King County, WA	PM ₁₀	Maintenance	100	-	0.84	1.05	-0.24
Klamath Falls, OR	CO	Maintenance	100	-	4.16	5.20	-1.17
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	4.16	5.20	-1.17
Knoxville, TN	Ozone	Former Subpart 1	50	-	96.62	120.69	-27.23
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	75.17	93.90	-21.19
La Porte County, IN	SO _x	Maintenance	100	-	2.95	3.69	-0.83
LaGrande, OR	PM ₁₀	Maintenance	100	-	1.25	1.57	-0.35
Lake County, IN	SO _x	Maintenance	100	-	25.65	32.01	-7.57
Lake County, OH	SO _x	Maintenance	100	-	3.00	3.75	-0.85
Lake County, OR	PM ₁₀	Maintenance	100	-	0.52	0.64	-0.15
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	2.25	2.81	-0.64
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	4.79	5.98	-1.35
Lake Tahoe, NV	CO	Maintenance	100	-	1.68	2.10	-0.47
Lamar, CO	PM ₁₀	Maintenance	100	-	0.75	0.93	-0.21
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.12	0.15	-0.03
Lancaster, PA	Ozone	Maintenance	100	-	37.25	46.52	-10.64
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	37.25	46.52	-10.64
Lane County, OR	PM ₁₀	Moderate	100	-	0.12	0.16	-0.04
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	39.72	49.62	-11.20
LaPorte, IN	Ozone	Maintenance	100	-	8.28	10.34	-2.33
Las Vegas, NV	CO	Serious	100	-	120.21	150.15	-33.88
Las Vegas, NV	Ozone	Former Subpart 1	50	-	122.09	152.50	-34.41
Lauderdale County, AL	SO _x	Maintenance	100	-	7.44	9.29	-2.10
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.14	0.18	-0.04
Libby, MT	PM ₁₀	Moderate	100	-	0.37	0.47	-0.11
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.50	0.62	-0.14
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	1.20	1.50	-0.34
Lima, OH	Ozone	Maintenance	100	-	1.55	0.41	-22.33
Longmont, CO	CO	Maintenance	100	-	7.35	9.19	-2.07
Lorain County, OH	SO _x	Maintenance	100	-	3.82	4.78	-1.08
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	1,182.43	1,463.97	-520.93
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	1,182.43	1,463.97	-520.93
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	1,182.43	1,463.97	-520.93
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	1,182.45	1,463.99	-520.94
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	1,182.37	1,463.89	-520.92
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	56.26	70.28	-15.86

Table B1-1
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Carbon Monoxide (CO) 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Louisville, KY-IN	Ozone	Maintenance	100	-	94.65	118.23	-26.68
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	91.83	114.71	-25.88
Lowell, MA	CO	Maintenance	100	-	9.34	11.67	-2.63
Lucas County, OH	SO _x	Maintenance	100	-	25.38	31.70	-7.15
Lyons Township, IL	PM ₁₀	Maintenance	100	-	5.27	6.58	-1.49
Macon, GA	Ozone	Maintenance	100	-	17.87	22.32	-5.04
Macon, GA	PM _{2.5}	Nonattainment	100	-	17.68	22.09	-4.98
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.25	0.31	-0.07
Madison, WI	SO _x	Maintenance	100	-	19.77	24.70	-5.57
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.72	0.91	-0.20
Manchester, NH	CO	Maintenance	100	-	6.56	8.19	-1.85
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	8.54	10.67	-2.41
Marion County, IN	SO _x	Maintenance	100	-	26.48	33.08	-7.46
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	8.86	11.07	-2.50
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	26.52	33.13	-7.48
Mason County, MI	Ozone	Maintenance	100	-	2.18	2.73	-0.62
Medford, OR	CO	Maintenance	100	-	6.26	7.82	-1.76
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	14.90	18.61	-4.20
Memphis, TN-AR	Ozone	Maintenance	100	-	80.89	100.32	-33.14
Memphis, TN	CO	Maintenance	100	-	74.00	91.72	-31.20
Miami (Gila County), AZ	SO _x	Maintenance	100	-	2.38	2.97	-0.67
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.45	0.56	-0.13
Milwaukee, WI	SO _x	Maintenance	100	-	44.70	55.83	-12.60
Milwaukee-Racine, WI	Ozone	Moderate	50	-	147.63	184.41	-41.61
Minneapolis-St Paul, MN	CO	Maintenance	100	-	145.29	163.11	-305.64
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	230.45	287.79	-65.93
Missoula, MT	CO	Maintenance	100	-	4.89	6.07	-1.87
Missoula, MT	PM ₁₀	Moderate	100	-	4.74	5.89	-1.81
Modesto, CA	CO	Maintenance	100	-	24.48	30.58	-6.90
Mohave County, AZ	PM ₁₀	Maintenance	100	-	8.21	10.26	-2.32
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.11	0.14	-0.03
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.28	0.35	-0.08
Morristown, NJ	CO	Maintenance	100	-	2.63	3.28	-0.74
Muhlenberg County, KY	SO _x	Maintenance	100	-	2.46	3.08	-0.69
Muncie, IN	Ozone	Maintenance	100	-	9.97	12.45	-2.81
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.36	0.45	-0.10
Muscatine County, IA	SO _x	Maintenance	100	-	1.26	1.57	-0.35
Muskegon, MI	Ozone	Maintenance	100	-	10.74	13.41	-3.05
Nashua, NH	CO	Maintenance	100	-	5.22	6.52	-1.47
Nashville, TN	Ozone	Former Subpart 1	50	-	134.11	167.50	-38.13
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	10.80	13.49	-3.04

Table B1-1
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Carbon Monoxide (CO) 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
New Haven County, CT	PM ₁₀	Maintenance	100	-	11.32	14.14	-3.19
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	66.14	82.61	-18.64
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.51	0.64	-0.14
New York County, NY	PM ₁₀	Moderate	100	-	38.88	48.57	-10.96
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	651.90	813.59	-194.02
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	1,232.28	1,538.19	-362.77
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	1,221.98	1,525.32	-359.86
Nogales, AZ	PM ₁₀	Moderate	100	-	3.36	4.20	-0.95
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-142.44	-232.55	-746.98
Ogden, UT	CO	Maintenance	100	-	5.91	7.38	-1.66
Ogden, UT	PM ₁₀	Moderate	100	-	5.91	7.38	-1.66
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.21	0.26	-0.06
Olmsted County, MN	PM ₁₀	Maintenance	100	-	1.79	2.24	-0.50
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	8.67	10.83	-2.44
Owens Valley, CA	PM ₁₀	Serious	70	-	0.31	0.38	-0.09
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.01	0.02	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	12.23	15.28	-3.45
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	12.32	15.38	-3.47
Payson, AZ	PM ₁₀	Maintenance	100	-	1.59	1.98	-0.45
Penns Grove, NJ	CO	Maintenance	100	-	0.04	0.05	-0.01
Peoria, IL	SO _x	Maintenance	100	-	8.45	10.56	-2.42
Perth Amboy, NJ	CO	Maintenance	100	-	4.54	5.32	-6.30
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	33.37	41.68	-9.41
Philidelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	320.10	389.61	-237.69
Phildelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	493.21	605.84	-286.62
Phoenix, AZ	CO	Maintenance	100	-	364.36	455.11	-102.99
Phoenix, AZ	PM ₁₀	Serious	70	-	375.92	469.55	-106.25
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	377.27	471.24	-106.64
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.90	1.13	-0.25
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.12	0.14	-0.03
Pittsburgh, PA	CO	Maintenance	100	-	1.87	2.34	-0.53
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	168.69	210.70	-47.81
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	154.14	192.52	-43.70
Polk County, TN	SO _x	Maintenance	100	-	1.76	2.20	-0.50
Polson, MT	PM ₁₀	Moderate	100	-	0.24	0.29	-0.07
Portland, ME	Ozone	Maintenance	100	-	46.34	57.83	-13.90
Portland, OR	CO	Maintenance	100	-	96.53	120.52	-27.97
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	3.69	4.61	-1.04
Poughkeepsie, NY	Ozone	Moderate	50	-	110.13	137.56	-31.04
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.79	0.98	-0.22

Table B1-1
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Carbon Monoxide (CO) 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Providence (entire State), RI	Ozone	Moderate	50	-	80.90	100.98	-23.85
Provo, UT	CO	Maintenance	100	-	13.11	16.38	-3.70
Raleigh-Durham, NC	CO	Maintenance	100	-	105.88	132.25	-30.03
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	144.57	180.57	-40.93
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.16	0.21	-0.05
Reading, PA	Ozone	Maintenance	100	-	27.83	34.76	-7.84
Reading, PA	PM _{2.5}	Nonattainment	100	-	27.83	34.76	-7.84
Reno, NV	CO	Maintenance	100	-	20.29	25.35	-5.72
Rhinelander (Oneida County), WI	SO _x	Maintenance	100	-	0.08	0.09	-0.02
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	101.96	127.34	-29.00
Rillito, AZ	PM ₁₀	Moderate	100	-	3.88	4.85	-1.09
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	50.32	62.86	-14.18
Roanoke, VA	Ozone	Former Subpart 1	50	-	22.07	27.57	-6.22
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	6.60	8.25	-1.86
Rochester, NY	Ozone	Former Subpart 1	50	-	111.71	139.54	-31.49
Rocky Mount, NC	Ozone	Maintenance	100	-	15.66	19.56	-4.41
Rome, GA	PM _{2.5}	Nonattainment	100	-	10.06	12.56	-2.83
Ronan, MT	PM ₁₀	Moderate	100	-	0.09	0.11	-0.03
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.21	0.27	-0.06
Sacramento County, CA	PM ₁₀	Moderate	100	-	118.58	148.13	-33.42
Sacramento Metro, CA	Ozone	Severe	25	-	210.89	263.33	-60.78
Sacramento, CA	CO	Maintenance	100	-	131.75	164.56	-37.30
Salem, OR	CO	Maintenance	100	-	10.99	13.73	-3.10
Salt Lake City, UT	CO	Maintenance	100	-	16.42	20.30	-7.63
Salt Lake County, UT	PM ₁₀	Moderate	100	-	83.83	104.50	-26.63
Salt Lake County, UT	SO _x	Nonattainment	100	-	84.87	106.02	-23.92
San Antonio, TX	Ozone	Former Subpart 1	50	-	152.32	190.25	-43.23
San Bernardino County, CA	PM ₁₀	Moderate	100	-	34.85	43.53	-9.82
San Diego, CA	CO	Maintenance	100	-	332.32	415.11	-93.66
San Diego, CA	Ozone	Former Subpart 1	50	-	332.93	415.87	-93.84
San Francisco Bay Area, CA	Ozone	Marginal	50	-	505.77	628.87	-184.21
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	575.99	716.59	-204.00
San Joaquin Valley, CA	Ozone	Extreme	10	-	361.43	451.33	-103.91
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	363.11	453.42	-104.38
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	361.43	451.33	-103.91
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	2.70	3.37	-0.76
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.06	0.07	-0.02
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	55.86	69.77	-15.74
Seattle-Tacoma, WA	CO	Maintenance	100	-	244.45	305.35	-68.90

Table B1-1
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Carbon Monoxide (CO) 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Sheboygan, WI	Ozone	Moderate	50	-	9.80	12.24	-2.76
Sheridan, WY	PM ₁₀	Moderate	100	-	1.83	2.29	-0.52
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	1.43	1.79	-0.40
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	37.70	47.08	-10.68
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	15.19	18.98	-4.29
Spokane County, WA	PM ₁₀	Maintenance	100	-	24.32	30.38	-6.85
Spokane, WA	CO	Maintenance	100	-	24.08	30.08	-6.79
Springfield (western MA), MA	Ozone	Moderate	50	-	74.35	92.84	-21.40
Springfield, MA	CO	Maintenance	100	-	11.86	14.80	-3.50
St Louis, MO	CO	Maintenance	100	-	79.20	98.93	-22.32
St Louis, MO-IL	Ozone	Moderate	50	-	234.63	290.11	-109.03
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	232.99	288.06	-108.57
State College, PA	Ozone	Maintenance	100	-	13.95	17.43	-3.93
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	1.45	1.80	-0.41
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	3.65	4.56	-1.03
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	7.43	9.13	-4.35
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	7.43	9.13	-4.35
Stockton, CA	CO	Maintenance	100	-	36.91	46.11	-10.40
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	43.27	54.05	-12.20
Telluride, CO	PM ₁₀	Maintenance	100	-	0.11	0.14	-0.03
Terre Haute, IN	Ozone	Maintenance	100	-	11.29	14.10	-3.18
Tioga County, PA	Ozone	Maintenance	100	-	4.79	5.99	-1.35
Toledo, OH	Ozone	Maintenance	100	-	24.16	25.76	-70.44
Toms River, NJ	CO	Maintenance	100	-	8.02	10.02	-2.26
Tooele County, UT	SO _x	Nonattainment	100	-	8.31	10.38	-2.34
Trenton, NJ	CO	Maintenance	100	-	7.34	9.17	-2.07
Trona, CA	PM ₁₀	Moderate	100	-	0.25	0.31	-0.07
Tucson, AZ	CO	Maintenance	100	-	80.82	100.95	-22.78
Utah County, UT	PM ₁₀	Moderate	100	-	39.42	49.24	-11.11
Vancouver, WA	CO	Maintenance	100	-	24.88	31.08	-7.01
Ventura County, CA	Ozone	Serious	50	-	66.68	83.22	-19.84
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.61	0.77	-0.17
Vigo County, IN	SO _x	Maintenance	100	-	11.29	14.10	-3.18
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	4.73	5.90	-1.33
Warren County, NJ	SO _x	Maintenance	100	-	2.97	3.71	-0.84
Warren County, PA	SO _x	Nonattainment	100	-	1.20	1.49	-0.40
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	17.79	22.23	-5.01
Washington, DC-MD-VA	CO	Maintenance	100	-	129.88	162.24	-36.61
Washington, DC-MD-VA	Ozone	Moderate	50	-	440.53	550.27	-124.16

Table B1-1
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Carbon Monoxide (CO) 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	431.56	539.06	-121.63
Washoe County, NV	PM ₁₀	Serious	70	-	20.29	25.35	-5.72
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.34	0.43	-0.10
Wayne County, IN	SO _x	Maintenance	100	-	6.18	7.72	-1.74
Wayne County, MI	PM ₁₀	Maintenance	100	-	4.36	5.13	-5.87
Weirton, WV	PM ₁₀	Maintenance	100	-	0.84	1.05	-0.24
Weirton, WV	SO _x	Maintenance	100	-	1.10	1.38	-0.31
Wheeling, WV-OH	Ozone	Maintenance	100	-	12.84	16.04	-3.62
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	12.84	16.04	-3.62
Winston-Salem, NC	CO	Maintenance	100	-	34.06	42.55	-9.60
Worcester, MA	CO	Maintenance	100	-	17.74	22.16	-5.00
Yakima County, WA	PM ₁₀	Maintenance	100	-	7.67	9.58	-2.16
Yakima, WA	CO	Maintenance	100	-	3.07	3.83	-0.86
York, PA	Ozone	Maintenance	100	-	36.59	45.71	-10.31
York, PA	PM _{2.5}	Nonattainment	100	-	28.48	35.58	-8.03
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	54.51	68.09	-15.36
Yuma, AZ	PM ₁₀	Moderate	100	-	14.96	18.69	-4.22

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

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

c/ Emissions thresholds in tons/year of: VOC or NO_x in ozone NAAs; primary PM_{2.5} in PM_{2.5} NAAs. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the proposed actions. Source: EPA, 2008.

Table B1-2
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Carbon Monoxide (CO) 2025

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.49	0.39	-1.43
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	1.02	0.82	-3.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	1.06	0.85	-3.12
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	318.49	254.97	-932.75
Albuquerque, NM	CO	Maintenance	100	-	146.87	117.61	-429.92
Allegan County, MI	Ozone	Former Subpart 1	50	-	36.30	29.07	-106.25
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	147.64	118.11	-432.96
Altoona, PA	Ozone	Maintenance	100	-	25.38	20.33	-74.30
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	41.43	33.18	-121.28
Anchorage, AK	CO	Maintenance	100	-	35.42	28.36	-103.67
Anthony, NM	PM ₁₀	Moderate	100	-	1.87	1.50	-5.48
Armstrong County, PA	SO _x	Nonattainment	100	-	1.22	0.98	-3.57
Aspen, CO	PM ₁₀	Maintenance	100	-	1.75	1.40	-5.13
Atlanta, GA	Ozone	Moderate	50	-	1,669.28	1,336.49	-4,888.16
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	1,670.20	1,337.23	-4,890.86
Atlantic City, NJ	CO	Maintenance	100	-	12.81	10.26	-37.49
Bakersfield, CA	CO	Maintenance	100	-	108.65	86.02	-324.78
Baltimore, MD	CO	Maintenance	100	-	2.50	1.99	-7.43
Baltimore, MD	Ozone	Moderate	50	-	744.46	595.63	-2,182.82
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	744.44	595.62	-2,182.79
Baton Rouge, LA	Ozone	Moderate	50	-	19.63	-89.54	-774.67
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-36.90	-119.88	-507.48
Benton County, TN	SO _x	Maintenance	100	-	0.29	0.23	-0.84
Benton Harbor, MI	Ozone	Maintenance	100	-	44.87	35.92	-131.42
Benzie County, MI	Ozone	Maintenance	100	-	5.71	4.57	-16.71
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	36.57	29.28	-107.04
Billings, MT	CO	Maintenance	100	-	-9.11	-25.38	-96.57
Birmingham, AL	Ozone	Maintenance	100	-	251.50	200.64	-741.37
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	252.31	201.29	-743.76
Boise-Northern Ada County, ID	CO	Maintenance	100	-	80.68	64.36	-237.85
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	80.68	64.36	-237.85
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	4.16	3.33	-12.18
Boston, MA	CO	Maintenance	100	-	212.50	170.17	-622.04
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	1,272.51	1,019.03	-3,724.91
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	162.07	129.79	-474.42
Boyd County (part), KY	SO _x	Maintenance	100	-	2.42	1.94	-7.09
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	287.34	230.10	-841.10
Burlington, NJ	CO	Maintenance	100	-	2.05	1.64	-5.99
Butte, MT	PM ₁₀	Moderate	100	-	5.19	4.16	-15.20
Canon City, CO	PM ₁₀	Maintenance	100	-	4.85	3.89	-14.21
Canton-Massillon, OH	Ozone	Maintenance	100	-	66.39	48.60	-225.45
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	66.39	48.60	-225.45
Case County, MI	Ozone	Maintenance	100	-	10.87	8.70	-31.82
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.17	0.14	-0.50
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	1.58	1.27	-4.64
Charleston, WV	Ozone	Maintenance	100	-	68.89	55.17	-201.65
Charleston, WV	PM _{2.5}	Nonattainment	100	-	68.89	55.17	-201.65
Charlotte, NC	CO	Maintenance	100	-	183.59	147.02	-537.41
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	410.54	328.76	-1,201.74

Table B1-2
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Carbon Monoxide (CO) 2025

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	136.03	108.92	-398.23
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	123.85	99.17	-362.57
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	1,554.49	1,108.09	-5,482.09
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	1,614.45	1,156.10	-5,657.59
Chico, CA	CO	Maintenance	100	-	27.11	21.71	-79.36
Chico, CA	Ozone	Former Subpart 1	50	-	62.48	50.03	-182.88
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	491.20	393.35	-1,437.84
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	476.86	381.87	-1,395.87
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	3.46	2.77	-10.14
Clark County, NV	PM ₁₀	Serious	70	-	374.61	299.98	-1,096.55
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	64.69	51.81	-189.37
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	44.88	35.94	-131.39
Cleveland, OH	CO	Maintenance	100	-	232.97	186.56	-681.96
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	641.09	513.39	-1,876.62
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	591.14	473.38	-1,730.39
Coachella Valley, CA	PM ₁₀	Serious	70	-	159.58	127.79	-467.12
Colbert County, AL	SO _x	Maintenance	100	-	14.85	11.89	-43.47
Colorado Springs, CO	CO	Maintenance	100	-	146.12	116.17	-433.40
Columbia Falls, MT	PM ₁₀	Moderate	100	-	1.37	1.10	-4.00
Columbia, SC	Ozone	Former Subpart 1	50	-	162.16	129.86	-474.68
Columbus, OH	Ozone	Maintenance	100	-	419.06	335.58	-1,226.68
Columbus, OH	PM _{2.5}	Nonattainment	100	-	388.69	311.27	-1,137.79
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.82	0.65	-2.46
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.09	0.07	-0.26
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	232.98	186.57	-681.98
Cuyahoga County, OH	SO _x	Maintenance	100	-	190.50	152.55	-557.62
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	1,737.80	1,391.06	-5,090.82
Dayton-Springfield, OH	Ozone	Maintenance	100	-	208.09	166.64	-609.12
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	183.92	147.28	-538.37
Denver Metro, CO	PM ₁₀	Maintenance	100	-	728.50	572.98	-2,203.31
Denver-Boulder, CO	CO	Maintenance	100	-	696.13	547.07	-2,108.58
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	881.45	695.45	-2,651.17
Detroit, MI	CO	Maintenance	100	-	389.77	308.09	-1,168.46
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	1,144.75	911.45	-3,386.82
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	1,123.33	894.30	-3,324.12
Door County, WI	Ozone	Former Subpart 1	50	-	9.18	7.35	-26.88
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	8.81	7.06	-25.80
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	6.97	5.58	-20.41
Duluth, MN	CO	Maintenance	100	-	20.27	16.23	-59.34
Eagle River, AK	PM ₁₀	Moderate	100	-	2.14	1.71	-6.26
East Chicago, IN	CO	Maintenance	100	-	0.26	0.21	-0.78
East Chicago, IN	PM ₁₀	Maintenance	100	-	-53.56	-112.43	-317.00
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.25	0.20	-0.73
El Paso County, TX	PM ₁₀	Moderate	100	-	112.82	84.87	-367.56
El Paso, TX	CO	Maintenance	100	-	7.80	6.24	-22.87
Erie, PA	Ozone	Maintenance	100	-	56.72	45.42	-166.03
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.39	0.31	-1.14

Table B1-2
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Carbon Monoxide (CO) 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Eugene-Springfield, OR	CO	Maintenance	100	-	57.37	45.94	-167.94
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	54.83	43.91	-160.50
Evansville, IN	Ozone	Maintenance	100	-	63.10	50.53	-184.71
Evansville, IN	PM _{2.5}	Nonattainment	100	-	81.15	64.98	-237.53
Fairbanks, AK	CO	Maintenance	100	-	4.33	3.46	-12.66
Fayetteville, NC	Ozone	Former Subpart 1	50	-	73.50	58.86	-215.14
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	1.79	1.43	-5.24
Flint, MI	Ozone	Maintenance	100	-	129.33	103.57	-378.59
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.28	0.23	-0.82
Fort Collins, CO	CO	Maintenance	100	-	44.04	35.27	-128.92
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.18	0.14	-0.52
Fort Wayne, IN	Ozone	Maintenance	100	-	90.89	72.79	-266.06
Franklin County, PA	Ozone	Maintenance	100	-	37.92	30.36	-110.99
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.19	0.15	-0.55
Frederick County, VA	Ozone	Former Subpart 1	50	-	32.54	26.05	-95.24
Fredericksburg, VA	Ozone	Maintenance	100	-	103.46	82.85	-302.85
Freehold, NJ	CO	Maintenance	100	-	4.31	3.45	-12.62
Fresno, CA	CO	Maintenance	100	-	146.87	117.50	-430.68
Grand Rapids, MI	Ozone	Maintenance	100	-	202.32	162.02	-592.23
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	10.15	8.13	-29.73
Grant County, NM	SO _x	Maintenance	100	-	0.67	0.53	-1.95
Grants Pass, OR	CO	Maintenance	100	-	0.11	0.09	-0.33
Grants Pass, OR	PM ₁₀	Maintenance	100	-	8.20	6.57	-24.00
Great Falls, MT	CO	Maintenance	100	-	4.86	3.89	-14.23
Greater Connecticut, CT	Ozone	Moderate	50	-	409.19	327.54	-1,198.78
Greeley, CO	CO	Maintenance	100	-	30.72	24.60	-89.93
Green Bay, WI	SO _x	Maintenance	100	-	30.63	24.53	-89.67
Greene County, IN	Ozone	Maintenance	100	-	12.10	9.69	-35.43
Greene County, PA	Ozone	Maintenance	100	-	11.30	9.05	-33.08
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	403.98	323.32	-1,183.80
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	199.61	159.66	-585.57
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	223.13	178.48	-654.50
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	5.61	4.49	-16.42
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	28.66	22.95	-83.89
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	213.11	170.60	-624.23
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	196.71	157.47	-576.24
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	264.72	211.85	-775.88
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	2.50	2.00	-7.31
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	9.76	7.82	-28.57
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	1.23	0.98	-3.59
Hazelwood, PA	SO _x	Maintenance	100	-	9.99	7.99	-29.29
Hickory, NC	PM _{2.5}	Nonattainment	100	-	44.33	35.50	-129.75
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	73.02	58.47	-213.73
Hollis Township, IL	SO _x	Maintenance	100	-	0.60	0.48	-1.76
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	1,179.44	796.27	-4,462.39
Humphreys County, TN	SO _x	Maintenance	100	-	0.68	0.55	-1.99
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-27.87	-90.99	-386.29
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-62.46	-118.69	-285.04
Huron County, MI	Ozone	Maintenance	100	-	7.08	5.67	-20.72

Table B1-2
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Carbon Monoxide (CO) 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Imperial County, CA	Ozone	Moderate	50	-	54.65	43.76	-159.97
Imperial Valley, CA	PM ₁₀	Serious	70	-	53.44	42.79	-156.43
Indian Wells, CA	PM ₁₀	Maintenance	100	-	8.34	6.68	-24.43
Indianapolis, IN	CO	Maintenance	100	-	0.25	0.20	-0.72
Indianapolis, IN	Ozone	Maintenance	100	-	499.40	399.92	-1,461.85
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	395.83	316.98	-1,158.68
Jackson County, IN	Ozone	Maintenance	100	-	19.72	15.79	-57.74
Jamestown, NY	Ozone	Former Subpart 1	50	-	38.63	30.94	-113.09
Jefferson County, NY	Ozone	Moderate	50	-	30.76	24.64	-90.05
Jefferson County, OH	PM ₁₀	Maintenance	100	-	1.92	1.54	-5.63
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	53.92	43.18	-157.85
Johnstown, PA	Ozone	Maintenance	100	-	25.14	20.13	-73.58
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	27.56	22.07	-80.69
Juneau, AK	PM ₁₀	Moderate	100	-	2.69	2.16	-7.88
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	125.61	100.59	-367.68
Kalispell, MT	PM ₁₀	Moderate	100	-	7.33	5.87	-21.44
Kansas City, MO-KS	Ozone	Maintenance	100	-	414.36	331.21	-1,217.03
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	35.75	28.63	-104.65
Kent, WA	PM ₁₀	Maintenance	100	-	6.24	5.00	-18.27
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	20.60	16.50	-60.31
Kewaunee County, WI	Ozone	Maintenance	100	-	6.13	4.91	-17.96
King County, WA	PM ₁₀	Maintenance	100	-	2.55	2.05	-7.48
Klamath Falls, OR	CO	Maintenance	100	-	12.30	9.85	-36.00
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	12.30	9.85	-36.00
Knoxville, TN	Ozone	Former Subpart 1	50	-	296.27	237.25	-867.24
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	229.25	183.58	-671.07
La Porte County, IN	SO _x	Maintenance	100	-	8.64	6.92	-25.28
LaGrande, OR	PM ₁₀	Maintenance	100	-	3.74	2.99	-10.94
Lake County, IN	SO _x	Maintenance	100	-	75.39	60.18	-222.03
Lake County, OH	SO _x	Maintenance	100	-	8.88	7.11	-26.00
Lake County, OR	PM ₁₀	Maintenance	100	-	1.51	1.21	-4.42
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	7.33	5.87	-21.46
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	15.67	12.55	-45.87
Lake Tahoe, NV	CO	Maintenance	100	-	5.03	4.03	-14.73
Lamar, CO	PM ₁₀	Maintenance	100	-	2.20	1.76	-6.44
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.35	0.28	-1.04
Lancaster, PA	Ozone	Maintenance	100	-	112.11	89.70	-328.73
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	112.11	89.70	-328.73
Lane County, OR	PM ₁₀	Moderate	100	-	0.36	0.29	-1.05
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	118.74	95.09	-347.59
LaPorte, IN	Ozone	Maintenance	100	-	24.18	19.36	-70.77
Las Vegas, NV	CO	Serious	100	-	374.61	299.98	-1,096.55
Las Vegas, NV	Ozone	Former Subpart 1	50	-	380.14	304.41	-1,112.73
Lauderdale County, AL	SO _x	Maintenance	100	-	21.86	17.51	-64.00
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.43	0.34	-1.26
Libby, MT	PM ₁₀	Moderate	100	-	1.09	0.87	-3.19
Libby, MT	PM _{2.5}	Nonattainment	100	-	1.45	1.16	-4.25
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	3.46	2.77	-10.14
Lima, OH	Ozone	Maintenance	100	-	8.02	-6.24	-109.75

Table B1-2
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Carbon Monoxide (CO) 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Longmont, CO	CO	Maintenance	100	-	22.75	18.22	-66.60
Lorain County, OH	SO _x	Maintenance	100	-	11.43	9.15	-33.46
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	3,641.72	2,807.75	-11,399.61
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	3,641.72	2,807.75	-11,399.60
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	3,641.72	2,807.75	-11,399.60
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	3,641.77	2,807.79	-11,399.74
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	3,641.54	2,807.61	-11,399.06
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	172.33	138.00	-504.45
Louisville, KY-IN	Ozone	Maintenance	100	-	280.89	224.94	-822.23
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	271.73	217.60	-795.41
Lowell, MA	CO	Maintenance	100	-	28.27	22.64	-82.75
Lucas County, OH	SO _x	Maintenance	100	-	74.32	59.52	-217.55
Lyons Township, IL	PM ₁₀	Maintenance	100	-	15.46	12.38	-45.25
Macon, GA	Ozone	Maintenance	100	-	52.12	41.73	-152.55
Macon, GA	PM _{2.5}	Nonattainment	100	-	51.57	41.29	-150.94
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.72	0.57	-2.10
Madison, WI	SO _x	Maintenance	100	-	61.08	48.92	-178.80
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	2.37	1.90	-6.95
Manchester, NH	CO	Maintenance	100	-	19.24	15.41	-56.31
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	25.21	20.19	-73.80
Marion County, IN	SO _x	Maintenance	100	-	77.83	62.33	-227.82
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	28.09	22.50	-82.24
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	79.42	63.60	-232.47
Mason County, MI	Ozone	Maintenance	100	-	6.57	5.26	-19.22
Medford, OR	CO	Maintenance	100	-	19.45	15.58	-56.94
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	46.40	37.15	-135.81
Memphis, TN-AR	Ozone	Maintenance	100	-	239.35	185.69	-741.39
Memphis, TN	CO	Maintenance	100	-	219.42	169.73	-683.06
Miami (Gila County), AZ	SO _x	Maintenance	100	-	7.34	5.88	-21.49
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	1.31	1.04	-3.84
Milwaukee, WI	SO _x	Maintenance	100	-	131.47	105.28	-384.85
Milwaukee-Racine, WI	Ozone	Moderate	50	-	443.37	355.05	-1,297.83
Minneapolis-St Paul, MN	CO	Maintenance	100	-	487.96	237.67	-2,471.38
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	697.27	557.81	-2,044.92
Missoula, MT	CO	Maintenance	100	-	14.87	11.63	-45.45
Missoula, MT	PM ₁₀	Moderate	100	-	14.41	11.26	-44.03
Modesto, CA	CO	Maintenance	100	-	77.05	61.70	-225.55
Mohave County, AZ	PM ₁₀	Maintenance	100	-	25.87	20.72	-75.72
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.36	0.29	-1.05
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.83	0.66	-2.43
Morristown, NJ	CO	Maintenance	100	-	8.13	6.51	-23.80
Muhlenberg County, KY	SO _x	Maintenance	100	-	7.22	5.78	-21.14
Muncie, IN	Ozone	Maintenance	100	-	28.79	23.06	-84.29
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	1.10	0.88	-3.22
Muscatine County, IA	SO _x	Maintenance	100	-	3.77	3.02	-11.04
Muskegon, MI	Ozone	Maintenance	100	-	32.21	25.78	-94.37
Nashua, NH	CO	Maintenance	100	-	15.35	12.29	-44.92
Nashville, TN	Ozone	Former Subpart 1	50	-	407.65	326.26	-1,194.58
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	35.15	28.15	-102.90

Table B1-2
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Carbon Monoxide (CO) 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
New Haven County, CT	PM ₁₀	Maintenance	100	-	34.64	27.74	-101.39
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	195.64	156.67	-572.68
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	1.49	1.19	-4.36
New York County, NY	PM ₁₀	Moderate	100	-	113.56	90.94	-332.41
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	1,938.81	1,546.65	-5,715.84
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	3,685.54	2,942.45	-10,849.25
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	3,654.22	2,917.37	-10,757.57
Nogales, AZ	PM ₁₀	Moderate	100	-	10.17	8.15	-29.78
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-292.92	-689.82	-2,244.26
Ogden, UT	CO	Maintenance	100	-	17.49	14.01	-51.20
Ogden, UT	PM ₁₀	Moderate	100	-	17.49	14.01	-51.20
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.60	0.48	-1.74
Olmsted County, MN	PM ₁₀	Maintenance	100	-	5.24	4.20	-15.35
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	26.74	21.42	-78.28
Owens Valley, CA	PM ₁₀	Serious	70	-	0.97	0.77	-2.83
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.04	0.03	-0.11
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	36.09	28.90	-105.63
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	36.33	29.09	-106.35
Payson, AZ	PM ₁₀	Maintenance	100	-	4.86	3.89	-14.23
Penns Grove, NJ	CO	Maintenance	100	-	0.12	0.09	-0.35
Peoria, IL	SO _x	Maintenance	100	-	24.84	19.87	-72.85
Perth Amboy, NJ	CO	Maintenance	100	-	15.15	9.23	-64.14
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	97.07	77.73	-284.15
Philidelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	976.13	696.39	-3,438.46
Phildelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	1,494.24	1,111.22	-4,955.59
Phoenix, AZ	CO	Maintenance	100	-	1,173.75	939.76	-3,436.98
Phoenix, AZ	PM ₁₀	Serious	70	-	1,209.47	968.37	-3,541.57
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	1,213.58	971.66	-3,553.58
Pierce County, WA	PM ₁₀	Maintenance	100	-	2.67	2.13	-7.80
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.33	0.26	-0.95
Pittsburgh, PA	CO	Maintenance	100	-	5.77	4.62	-16.91
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	498.28	398.87	-1,459.62
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	455.21	364.38	-1,333.51
Polk County, TN	SO _x	Maintenance	100	-	5.22	4.18	-15.29
Polson, MT	PM ₁₀	Moderate	100	-	0.73	0.58	-2.14
Portland, ME	Ozone	Maintenance	100	-	138.98	110.81	-410.11
Portland, OR	CO	Maintenance	100	-	287.90	230.11	-845.78
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	10.91	8.74	-31.95
Poughkeepsie, NY	Ozone	Moderate	50	-	340.20	272.43	-995.84
Presque Isle, ME	PM ₁₀	Maintenance	100	-	2.30	1.84	-6.72
Providence (entire State), RI	Ozone	Moderate	50	-	244.17	194.93	-718.87
Provo, UT	CO	Maintenance	100	-	40.58	32.49	-118.78
Raleigh-Durham, NC	CO	Maintenance	100	-	324.87	260.04	-951.69
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	443.01	354.65	-1,297.51
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.48	0.38	-1.42
Reading, PA	Ozone	Maintenance	100	-	82.91	66.39	-242.70
Reading, PA	PM _{2.5}	Nonattainment	100	-	82.91	66.39	-242.70
Reno, NV	CO	Maintenance	100	-	60.81	48.70	-178.00
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.24	0.19	-0.70

**Table B1-2
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Carbon Monoxide (CO) 2025**

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	304.61	243.78	-892.69
Rillito, AZ	PM ₁₀	Moderate	100	-	12.14	9.72	-35.54
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	159.58	127.79	-467.12
Roanoke, VA	Ozone	Former Subpart 1	50	-	65.24	52.24	-190.97
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	19.99	16.01	-58.52
Rochester, NY	Ozone	Former Subpart 1	50	-	333.08	266.73	-974.99
Rocky Mount, NC	Ozone	Maintenance	100	-	46.22	37.01	-135.29
Rome, GA	PM _{2.5}	Nonattainment	100	-	29.89	23.93	-87.48
Ronan, MT	PM ₁₀	Moderate	100	-	0.28	0.23	-0.83
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.63	0.50	-1.84
Sacramento County, CA	PM ₁₀	Moderate	100	-	372.66	298.43	-1,090.85
Sacramento Metro, CA	Ozone	Severe	25	-	668.92	534.90	-1,963.38
Sacramento, CA	CO	Maintenance	100	-	415.70	332.80	-1,217.49
Salem, OR	CO	Maintenance	100	-	32.62	26.12	-95.49
Salt Lake City, UT	CO	Maintenance	100	-	50.27	38.52	-158.99
Salt Lake County, UT	PM ₁₀	Moderate	100	-	253.76	201.48	-754.66
Salt Lake County, UT	SO _x	Nonattainment	100	-	256.38	205.31	-750.47
San Antonio, TX	Ozone	Former Subpart 1	50	-	462.52	370.22	-1,355.07
San Bernardino County, CA	PM ₁₀	Moderate	100	-	107.16	85.82	-313.69
San Diego, CA	CO	Maintenance	100	-	1,035.15	828.95	-3,030.10
San Diego, CA	Ozone	Former Subpart 1	50	-	1,037.07	830.48	-3,035.71
San Francisco Bay Area, CA	Ozone	Marginal	50	-	1,558.69	1,224.11	-4,726.77
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	1,770.79	1,393.96	-5,347.64
San Joaquin Valley, CA	Ozone	Extreme	10	-	1,131.69	905.08	-3,320.72
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	1,136.43	908.88	-3,334.60
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	1,131.69	905.08	-3,320.72
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	8.37	6.71	-24.51
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.17	0.14	-0.51
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	166.54	133.37	-487.51
Seattle-Tacoma, WA	CO	Maintenance	100	-	744.17	595.93	-2,178.33
Sheboygan, WI	Ozone	Moderate	50	-	29.57	23.68	-86.57
Sheridan, WY	PM ₁₀	Moderate	100	-	5.43	4.35	-15.90
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Somerville, NJ	CO	Maintenance	100	-	4.34	3.47	-12.70
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	112.44	90.01	-329.32
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	43.43	34.78	-127.16
Spokane County, WA	PM ₁₀	Maintenance	100	-	73.93	59.20	-216.41
Spokane, WA	CO	Maintenance	100	-	73.17	58.60	-214.19
Springfield (western MA), MA	Ozone	Moderate	50	-	221.77	177.34	-650.93
Springfield, MA	CO	Maintenance	100	-	35.65	28.45	-105.01
St Louis, MO	CO	Maintenance	100	-	228.01	182.59	-667.43
St Louis, MO-IL	Ozone	Moderate	50	-	698.83	534.82	-2,214.67
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	693.99	530.94	-2,200.49
State College, PA	Ozone	Maintenance	100	-	42.51	34.04	-124.44
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	4.59	3.68	-13.44
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	10.61	8.50	-31.07
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	21.90	16.23	-73.00
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	21.90	16.23	-73.00

Table B1-2
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Carbon Monoxide (CO) 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Stockton, CA	CO	Maintenance	100	-	115.77	92.71	-338.88
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	127.74	102.29	-373.91
Telluride, CO	PM ₁₀	Maintenance	100	-	0.36	0.29	-1.06
Terre Haute, IN	Ozone	Maintenance	100	-	32.72	26.20	-95.78
Tioga County, PA	Ozone	Maintenance	100	-	14.02	11.23	-41.04
Toledo, OH	Ozone	Maintenance	100	-	81.15	28.19	-488.28
Toms River, NJ	CO	Maintenance	100	-	24.74	19.81	-72.41
Tooele County, UT	SO _x	Nonattainment	100	-	25.11	20.11	-73.50
Trenton, NJ	CO	Maintenance	100	-	22.01	17.62	-64.42
Trona, CA	PM ₁₀	Moderate	100	-	0.78	0.63	-2.30
Tucson, AZ	CO	Maintenance	100	-	247.46	198.17	-724.37
Utah County, UT	PM ₁₀	Moderate	100	-	120.72	96.68	-353.38
Vancouver, WA	CO	Maintenance	100	-	77.42	62.00	-226.62
Ventura County, CA	Ozone	Serious	50	-	208.52	166.38	-614.50
Vermillion County, IN	PM ₁₀	Maintenance	100	-	1.79	1.43	-5.23
Vigo County, IN	SO _x	Maintenance	100	-	32.72	26.20	-95.78
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	14.05	11.25	-41.12
Warren County, NJ	SO _x	Maintenance	100	-	8.92	7.15	-26.12
Warren County, PA	SO _x	Nonattainment	100	-	3.50	2.77	-10.49
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	52.90	42.36	-154.86
Washington, DC-MD-VA	CO	Maintenance	100	-	389.66	312.04	-1,140.62
Washington, DC-MD-VA	Ozone	Moderate	50	-	1,344.03	1,076.30	-3,934.25
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	1,316.01	1,053.86	-3,852.24
Washoe County, NV	PM ₁₀	Serious	70	-	60.81	48.70	-178.00
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	1.02	0.82	-2.98
Wayne County, IN	SO _x	Maintenance	100	-	17.84	14.29	-52.22
Wayne County, MI	PM ₁₀	Maintenance	100	-	14.20	8.68	-59.91
Weirton, WV	PM ₁₀	Maintenance	100	-	2.40	1.92	-7.02
Weirton, WV	SO _x	Maintenance	100	-	3.15	2.52	-9.22
Wheeling, WV-OH	Ozone	Maintenance	100	-	37.14	29.74	-108.72
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	37.14	29.74	-108.72
Winston-Salem, NC	CO	Maintenance	100	-	102.25	81.88	-299.31
Worcester, MA	CO	Maintenance	100	-	54.19	43.40	-158.63
Yakima County, WA	PM ₁₀	Maintenance	100	-	23.15	18.54	-67.77
Yakima, WA	CO	Maintenance	100	-	9.52	7.63	-27.87
York, PA	Ozone	Maintenance	100	-	110.76	88.69	-324.21
York, PA	PM _{2.5}	Nonattainment	100	-	86.13	68.97	-252.12
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	158.81	127.17	-464.86
Yuma, AZ	PM ₁₀	Moderate	100	-	46.22	37.01	-135.29

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

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

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

Source: EPA, 2008.

Table B1-3
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Carbon Monoxide (CO) 2040

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	1.30	-0.20	-10.67
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	3.01	-0.47	-24.64
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	3.13	-0.49	-25.59
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	927.94	-144.89	-7,598.59
Albuquerque, NM	CO	Maintenance	100	-	422.16	-65.77	-3,456.10
Allegan County, MI	Ozone	Former Subpart 1	50	-	112.15	-17.47	-918.13
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	427.95	-67.21	-3,506.44
Altoona, PA	Ozone	Maintenance	100	-	68.15	-10.62	-557.91
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	146.12	-22.77	-1,196.27
Anchorage, AK	CO	Maintenance	100	-	109.59	-17.07	-897.16
Anthony, NM	PM ₁₀	Moderate	100	-	5.28	-0.82	-43.23
Armstrong County, PA	SO _x	Nonattainment	100	-	3.52	-0.55	-28.80
Aspen, CO	PM ₁₀	Maintenance	100	-	5.33	-0.83	-43.63
Atlanta, GA	Ozone	Moderate	50	-	5,073.28	-791.65	-41,540.59
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	5,075.45	-791.99	-41,558.35
Atlantic City, NJ	CO	Maintenance	100	-	35.79	-5.58	-292.96
Bakersfield, CA	CO	Maintenance	100	-	336.41	-57.01	-2,779.17
Baltimore, MD	CO	Maintenance	100	-	6.93	-1.16	-57.22
Baltimore, MD	Ozone	Moderate	50	-	2,219.72	-348.31	-18,185.91
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	2,219.69	-348.31	-18,185.63
Baton Rouge, LA	Ozone	Moderate	50	-	219.27	-524.24	-4,465.61
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	18.99	-423.54	-2,447.28
Benton County, TN	SO _x	Maintenance	100	-	0.79	-0.12	-6.43
Benton Harbor, MI	Ozone	Maintenance	100	-	118.12	-18.46	-967.35
Benzie County, MI	Ozone	Maintenance	100	-	18.60	-2.90	-152.25
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	109.45	-17.05	-896.04
Billings, MT	CO	Maintenance	100	-	1.00	-84.37	-467.07
Birmingham, AL	Ozone	Maintenance	100	-	703.99	-113.23	-5,782.77
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	706.41	-113.61	-5,802.59
Boise-Northern Ada County, ID	CO	Maintenance	100	-	244.48	-39.25	-2,007.81
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	244.48	-39.25	-2,007.81
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	13.42	-2.09	-109.89
Boston, MA	CO	Maintenance	100	-	604.81	-94.23	-4,951.45
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	3,698.09	-576.14	-30,275.38
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	483.70	-75.36	-3,959.92
Boyd County (part), KY	SO _x	Maintenance	100	-	6.54	-1.02	-53.54
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	809.96	-126.19	-6,630.94
Burlington, NJ	CO	Maintenance	100	-	4.88	-0.76	-39.91
Butte, MT	PM ₁₀	Moderate	100	-	13.33	-2.08	-109.13
Canon City, CO	PM ₁₀	Maintenance	100	-	15.39	-2.40	-126.03
Canton-Massillon, OH	Ozone	Maintenance	100	-	188.58	-50.63	-1,659.68
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	188.58	-50.63	-1,659.68
Case County, MI	Ozone	Maintenance	100	-	30.47	-4.75	-249.42
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.54	-0.08	-4.39
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	3.99	-0.62	-32.67
Charleston, WV	Ozone	Maintenance	100	-	183.22	-28.55	-1,499.99
Charleston, WV	PM _{2.5}	Nonattainment	100	-	183.22	-28.55	-1,499.99
Charlotte, NC	CO	Maintenance	100	-	562.09	-87.57	-4,601.69
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	1,240.88	-193.32	-10,158.82

**Table B1-3
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Carbon Monoxide (CO) 2040**

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	383.33	-59.75	-3,138.41
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	352.25	-54.91	-2,883.97
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	4,825.30	-1,388.46	-42,973.08
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	5,001.93	-1,415.97	-44,419.09
Chico, CA	CO	Maintenance	100	-	93.89	-14.63	-768.67
Chico, CA	Ozone	Former Subpart 1	50	-	206.32	-32.14	-1,689.10
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	1,425.41	-222.07	-11,669.51
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	1,381.42	-215.22	-11,309.34
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	8.77	-1.38	-71.85
Clark County, NV	PM ₁₀	Serious	70	-	1,203.50	-187.50	-9,852.76
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	195.21	-30.41	-1,598.17
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	126.32	-19.68	-1,034.12
Cleveland, OH	CO	Maintenance	100	-	610.90	-95.18	-5,001.29
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	1,796.14	-279.83	-14,704.58
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	1,649.04	-256.91	-13,500.28
Coachella Valley, CA	PM ₁₀	Serious	70	-	534.76	-83.31	-4,377.96
Colbert County, AL	SO _x	Maintenance	100	-	38.73	-6.03	-317.04
Colorado Springs, CO	CO	Maintenance	100	-	456.05	-74.94	-3,754.78
Columbia Falls, MT	PM ₁₀	Moderate	100	-	4.33	-0.67	-35.45
Columbia, SC	Ozone	Former Subpart 1	50	-	470.03	-73.23	-3,848.04
Columbus, OH	Ozone	Maintenance	100	-	1,282.29	-199.77	-10,497.80
Columbus, OH	PM _{2.5}	Nonattainment	100	-	1,192.12	-185.73	-9,759.59
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	2.05	-0.35	-16.95
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.25	-0.04	-2.06
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	610.91	-95.18	-5,001.38
Cuyahoga County, OH	SO _x	Maintenance	100	-	507.95	-79.14	-4,158.44
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	5,418.86	-846.90	-44,377.51
Dayton-Springfield, OH	Ozone	Maintenance	100	-	572.23	-89.15	-4,684.73
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	504.09	-78.53	-4,126.87
Denver Metro, CO	PM ₁₀	Maintenance	100	-	2,260.52	-400.59	-18,770.16
Denver-Boulder, CO	CO	Maintenance	100	-	2,160.15	-384.96	-17,948.45
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	2,733.25	-474.33	-22,640.78
Detroit, MI	CO	Maintenance	100	-	1,026.72	-178.36	-8,505.78
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	3,301.82	-538.93	-27,164.84
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	3,239.81	-529.27	-26,657.21
Door County, WI	Ozone	Former Subpart 1	50	-	27.67	-4.31	-226.55
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	24.73	-3.85	-202.48
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	19.94	-3.11	-163.28
Duluth, MN	CO	Maintenance	100	-	54.91	-8.56	-449.56
Eagle River, AK	PM ₁₀	Moderate	100	-	6.80	-1.06	-55.64
East Chicago, IN	CO	Maintenance	100	-	0.70	-0.11	-5.74
East Chicago, IN	PM ₁₀	Maintenance	100	-	-55.49	-315.11	-1,309.90
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.72	-0.11	-5.91
El Paso County, TX	PM ₁₀	Moderate	100	-	344.61	-79.18	-2,960.13
El Paso, TX	CO	Maintenance	100	-	22.31	-3.50	-182.74
Erie, PA	Ozone	Maintenance	100	-	156.72	-24.42	-1,283.04
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	1.22	-0.19	-9.95

Table B1-3
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Carbon Monoxide (CO) 2040

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Eugene-Springfield, OR	CO	Maintenance	100	-	170.30	-26.53	-1,394.21
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	163.19	-25.42	-1,335.99
Evansville, IN	Ozone	Maintenance	100	-	179.37	-27.95	-1,468.48
Evansville, IN	PM _{2.5}	Nonattainment	100	-	228.78	-35.64	-1,872.98
Fairbanks, AK	CO	Maintenance	100	-	13.50	-2.10	-110.49
Fayetteville, NC	Ozone	Former Subpart 1	50	-	212.03	-33.03	-1,735.86
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	5.64	-0.88	-46.14
Flint, MI	Ozone	Maintenance	100	-	362.43	-56.46	-2,967.14
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.68	-0.11	-5.55
Fort Collins, CO	CO	Maintenance	100	-	138.65	-21.60	-1,135.13
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.45	-0.07	-3.70
Fort Wayne, IN	Ozone	Maintenance	100	-	262.77	-40.94	-2,151.23
Franklin County, PA	Ozone	Maintenance	100	-	112.06	-17.46	-917.41
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.52	-0.08	-4.25
Frederick County, VA	Ozone	Former Subpart 1	50	-	94.44	-14.71	-773.16
Fredericksburg, VA	Ozone	Maintenance	100	-	329.42	-51.32	-2,696.91
Freehold, NJ	CO	Maintenance	100	-	14.18	-2.21	-116.10
Fresno, CA	CO	Maintenance	100	-	454.11	-71.24	-3,720.36
Grand Rapids, MI	Ozone	Maintenance	100	-	608.55	-94.81	-4,982.08
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	26.87	-4.20	-220.07
Grant County, NM	SO _x	Maintenance	100	-	1.72	-0.27	-14.11
Grants Pass, OR	CO	Maintenance	100	-	0.35	-0.05	-2.87
Grants Pass, OR	PM ₁₀	Maintenance	100	-	25.83	-4.02	-211.48
Great Falls, MT	CO	Maintenance	100	-	12.41	-1.93	-101.62
Greater Connecticut, CT	Ozone	Moderate	50	-	1,148.64	-179.62	-9,407.29
Greeley, CO	CO	Maintenance	100	-	93.16	-14.51	-762.72
Green Bay, WI	SO _x	Maintenance	100	-	89.84	-14.00	-735.52
Greene County, IN	Ozone	Maintenance	100	-	34.83	-5.43	-285.12
Greene County, PA	Ozone	Maintenance	100	-	31.38	-4.89	-256.87
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	1,149.97	-180.03	-9,419.28
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	562.88	-88.56	-4,612.89
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	620.81	-97.65	-5,087.50
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	15.91	-2.48	-130.24
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	83.26	-12.97	-681.60
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	637.26	-99.57	-5,218.67
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	587.61	-91.83	-4,812.17
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	733.66	-114.97	-6,009.98
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	7.87	-1.23	-64.41
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	31.05	-4.84	-254.16
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	3.55	-0.55	-29.05
Hazelwood, PA	SO _x	Maintenance	100	-	28.32	-4.45	-232.06
Hickory, NC	PM _{2.5}	Nonattainment	100	-	121.13	-18.87	-991.64
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	203.48	-31.70	-1,665.83
Hollis Township, IL	SO _x	Maintenance	100	-	1.60	-0.25	-13.08
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	3,770.24	-1,277.50	-34,626.53
Humphreys County, TN	SO _x	Maintenance	100	-	1.96	-0.31	-16.08
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	11.49	-321.51	-1,836.27
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-86.71	-306.21	-1,032.32
Huron County, MI	Ozone	Maintenance	100	-	19.48	-3.03	-159.44

**Table B1-3
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Carbon Monoxide (CO) 2040**

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Imperial County, CA	Ozone	Moderate	50	-	174.28	-27.15	-1,426.75
Imperial Valley, CA	PM ₁₀	Serious	70	-	170.62	-26.58	-1,396.84
Indian Wells, CA	PM ₁₀	Maintenance	100	-	23.12	-3.60	-189.24
Indianapolis, IN	CO	Maintenance	100	-	0.61	-0.09	-4.99
Indianapolis, IN	Ozone	Maintenance	100	-	1,487.30	-231.71	-12,176.19
Indianapolis, IN	PM _{2,5}	Nonattainment	100	-	1,181.53	-184.08	-9,672.90
Jackson County, IN	Ozone	Maintenance	100	-	55.54	-8.65	-454.71
Jamestown, NY	Ozone	Former Subpart 1	50	-	108.72	-16.94	-890.07
Jefferson County, NY	Ozone	Moderate	50	-	87.57	-13.64	-716.89
Jefferson County, OH	PM ₁₀	Maintenance	100	-	4.85	-0.76	-39.71
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	149.61	-23.31	-1,224.85
Johnstown, PA	Ozone	Maintenance	100	-	62.01	-9.66	-507.65
Johnstown, PA	PM _{2,5}	Nonattainment	100	-	68.25	-10.63	-558.71
Juneau, AK	PM ₁₀	Moderate	100	-	8.91	-1.39	-72.92
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	354.11	-55.17	-2,899.02
Kalispell, MT	PM ₁₀	Moderate	100	-	22.91	-3.57	-187.53
Kansas City, MO-KS	Ozone	Maintenance	100	-	1,239.16	-195.87	-10,160.05
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	107.40	-16.73	-879.28
Kent, WA	PM ₁₀	Maintenance	100	-	19.68	-3.07	-161.13
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	58.75	-9.15	-480.97
Kewaunee County, WI	Ozone	Maintenance	100	-	17.07	-2.66	-139.78
King County, WA	PM ₁₀	Maintenance	100	-	7.79	-1.21	-63.74
Klamath Falls, OR	CO	Maintenance	100	-	34.21	-5.33	-280.05
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	34.21	-5.33	-280.06
Knoxville, TN	Ozone	Former Subpart 1	50	-	913.11	-142.26	-7,475.38
Knoxville, TN	PM _{2,5}	Nonattainment	100	-	696.38	-108.49	-5,701.12
La Porte County, IN	SO _x	Maintenance	100	-	23.20	-3.61	-189.93
LaGrande, OR	PM ₁₀	Maintenance	100	-	10.65	-1.66	-87.23
Lake County, IN	SO _x	Maintenance	100	-	205.48	-32.91	-1,687.14
Lake County, OH	SO _x	Maintenance	100	-	24.85	-3.87	-203.45
Lake County, OR	PM ₁₀	Maintenance	100	-	4.11	-0.64	-33.68
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	26.11	-4.07	-213.78
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	57.25	-8.92	-468.66
Lake Tahoe, NV	CO	Maintenance	100	-	14.43	-2.25	-118.16
Lamar, CO	PM ₁₀	Maintenance	100	-	6.09	-0.95	-49.87
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.92	-0.14	-7.51
Lancaster, PA	Ozone	Maintenance	100	-	328.45	-51.55	-2,691.00
Lancaster, PA	PM _{2,5}	Nonattainment	100	-	328.45	-51.55	-2,691.00
Lane County, OR	PM ₁₀	Moderate	100	-	0.91	-0.14	-7.47
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	341.16	-53.15	-2,792.98
LaPorte, IN	Ozone	Maintenance	100	-	64.65	-10.07	-529.28
Las Vegas, NV	CO	Serious	100	-	1,203.50	-187.50	-9,852.76
Las Vegas, NV	Ozone	Former Subpart 1	50	-	1,218.35	-189.81	-9,974.37
Lauderdale County, AL	SO _x	Maintenance	100	-	59.67	-9.30	-488.54
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	1.21	-0.19	-9.88
Libby, MT	PM ₁₀	Moderate	100	-	2.89	-0.45	-23.62
Libby, MT	PM _{2,5}	Nonattainment	100	-	3.85	-0.60	-31.50
Liberty-Clairton, PA	PM _{2,5}	Nonattainment	100	-	8.77	-1.38	-71.84
Lima, OH	Ozone	Maintenance	100	-	39.23	-65.06	-642.41

**Table B1-3
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Carbon Monoxide (CO) 2040**

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Longmont, CO	CO	Maintenance	100	-	72.34	-11.27	-592.20
Lorain County, OH	SO _x	Maintenance	100	-	32.92	-5.13	-269.48
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	11,250.01	-2,258.03	-94,854.85
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	11,250.01	-2,258.03	-94,854.83
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	11,250.01	-2,258.03	-94,854.83
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	11,250.12	-2,258.05	-94,855.71
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	11,249.48	-2,257.95	-94,850.48
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	528.56	-82.35	-4,327.17
Louisville, KY-IN	Ozone	Maintenance	100	-	790.11	-123.10	-6,468.45
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	757.57	-118.03	-6,202.02
Lowell, MA	CO	Maintenance	100	-	84.90	-13.23	-695.03
Lucas County, OH	SO _x	Maintenance	100	-	200.64	-31.26	-1,642.56
Lyons Township, IL	PM ₁₀	Maintenance	100	-	41.90	-6.53	-343.08
Macon, GA	Ozone	Maintenance	100	-	139.03	-21.66	-1,138.21
Macon, GA	PM _{2.5}	Nonattainment	100	-	137.39	-21.40	-1,124.76
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	1.91	-0.30	-15.63
Madison, WI	SO _x	Maintenance	100	-	192.43	-29.98	-1,575.34
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	8.74	-1.36	-71.55
Manchester, NH	CO	Maintenance	100	-	51.32	-7.99	-420.10
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	69.80	-10.88	-571.47
Marion County, IN	SO _x	Maintenance	100	-	212.40	-33.09	-1,738.89
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	94.05	-14.65	-769.97
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	229.24	-35.71	-1,876.70
Mason County, MI	Ozone	Maintenance	100	-	19.19	-2.99	-157.08
Medford, OR	CO	Maintenance	100	-	62.29	-9.70	-509.98
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	149.41	-23.28	-1,223.22
Memphis, TN-AR	Ozone	Maintenance	100	-	661.69	-130.94	-5,568.84
Memphis, TN	CO	Maintenance	100	-	609.96	-122.88	-5,145.38
Miami (Gila County), AZ	SO _x	Maintenance	100	-	23.12	-3.60	-189.31
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	3.41	-0.54	-27.96
Milwaukee, WI	SO _x	Maintenance	100	-	361.50	-56.32	-2,959.52
Milwaukee-Racine, WI	Ozone	Moderate	50	-	1,290.96	-201.13	-10,568.79
Minneapolis-St Paul, MN	CO	Maintenance	100	-	1,702.52	-977.98	-17,821.91
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	2,072.62	-325.55	-16,982.50
Missoula, MT	CO	Maintenance	100	-	44.48	-8.23	-371.26
Missoula, MT	PM ₁₀	Moderate	100	-	43.06	-7.97	-359.41
Modesto, CA	CO	Maintenance	100	-	252.14	-39.28	-2,064.23
Mohave County, AZ	PM ₁₀	Maintenance	100	-	85.51	-13.32	-700.07
Mono Basin, CA	PM ₁₀	Moderate	100	-	1.22	-0.19	-10.01
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	2.29	-0.36	-18.71
Morristown, NJ	CO	Maintenance	100	-	26.11	-4.07	-213.75
Muhlenberg County, KY	SO _x	Maintenance	100	-	19.54	-3.04	-159.94
Muncie, IN	Ozone	Maintenance	100	-	74.42	-11.59	-609.28
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	3.47	-0.54	-28.39
Muscatine County, IA	SO _x	Maintenance	100	-	11.02	-1.72	-90.21
Muskegon, MI	Ozone	Maintenance	100	-	93.45	-14.61	-765.34
Nashua, NH	CO	Maintenance	100	-	41.33	-6.44	-338.32
Nashville, TN	Ozone	Former Subpart 1	50	-	1,227.18	-192.07	-10,051.43
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	124.75	-19.44	-1,021.32

**Table B1-3
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Carbon Monoxide (CO) 2040**

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
New Haven County, CT	PM ₁₀	Maintenance	100	-	107.90	-16.81	-883.32
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	544.62	-84.85	-4,458.64
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	3.97	-0.62	-32.54
New York County, NY	PM ₁₀	Moderate	100	-	304.14	-47.38	-2,489.90
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	5,484.52	-882.16	-45,051.37
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	10,596.92	-1,692.56	-86,981.26
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	10,502.67	-1,677.88	-86,209.62
Nogales, AZ	PM ₁₀	Moderate	100	-	30.30	-4.72	-248.10
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-170.16	-2,092.98	-10,156.34
Ogden, UT	CO	Maintenance	100	-	48.86	-7.61	-400.01
Ogden, UT	PM ₁₀	Moderate	100	-	48.86	-7.61	-400.02
Oglesby, IL	PM ₁₀	Maintenance	100	-	1.47	-0.23	-12.04
Olmsted County, MN	PM ₁₀	Maintenance	100	-	13.91	-2.17	-113.90
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	83.54	-13.02	-683.95
Owens Valley, CA	PM ₁₀	Serious	70	-	3.26	-0.51	-26.68
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.14	-0.02	-1.13
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	99.66	-15.53	-815.93
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	100.37	-15.64	-821.67
Payson, AZ	PM ₁₀	Maintenance	100	-	14.87	-2.32	-121.75
Penns Grove, NJ	CO	Maintenance	100	-	0.33	-0.05	-2.73
Peoria, IL	SO _x	Maintenance	100	-	67.82	-10.67	-555.78
Perth Amboy, NJ	CO	Maintenance	100	-	55.37	-22.15	-526.99
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	256.67	-39.99	-2,101.33
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	2,883.67	-846.36	-25,771.78
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	4,377.54	-1,079.46	-38,003.72
Phoenix, AZ	CO	Maintenance	100	-	4,075.14	-635.69	-33,366.64
Phoenix, AZ	PM ₁₀	Serious	70	-	4,186.98	-653.13	-34,282.30
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	4,198.96	-654.99	-34,380.32
Pierce County, WA	PM ₁₀	Maintenance	100	-	7.20	-1.12	-58.92
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.76	-0.12	-6.23
Pittsburgh, PA	CO	Maintenance	100	-	18.85	-2.96	-154.48
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	1,381.81	-215.99	-11,316.39
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	1,261.76	-197.28	-10,333.53
Polk County, TN	SO _x	Maintenance	100	-	14.68	-2.29	-120.22
Polson, MT	PM ₁₀	Moderate	100	-	2.35	-0.37	-19.23
Portland, ME	Ozone	Maintenance	100	-	402.15	-64.90	-3,304.55
Portland, OR	CO	Maintenance	100	-	821.45	-130.04	-6,736.29
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	30.40	-4.74	-248.86
Poughkeepsie, NY	Ozone	Moderate	50	-	1,068.76	-166.51	-8,749.69
Presque Isle, ME	PM ₁₀	Maintenance	100	-	6.11	-0.95	-50.02
Providence (entire State), RI	Ozone	Moderate	50	-	720.36	-115.05	-5,912.84
Provo, UT	CO	Maintenance	100	-	127.77	-19.91	-1,045.99
Raleigh-Durham, NC	CO	Maintenance	100	-	1,002.61	-156.71	-8,210.92
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	1,362.78	-212.82	-11,159.50
Ramsey County, MN	PM ₁₀	Maintenance	100	-	1.25	-0.21	-10.32
Reading, PA	Ozone	Maintenance	100	-	235.92	-36.75	-1,931.41
Reading, PA	PM _{2.5}	Nonattainment	100	-	235.92	-36.75	-1,931.41
Reno, NV	CO	Maintenance	100	-	175.79	-27.39	-1,439.14
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.83	-0.13	-6.79

**Table B1-3
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Carbon Monoxide (CO) 2040**

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	873.72	-136.82	-7,156.77
Rillito, AZ	PM ₁₀	Moderate	100	-	39.58	-6.17	-324.06
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	534.76	-83.31	-4,377.96
Roanoke, VA	Ozone	Former Subpart 1	50	-	181.33	-28.25	-1,484.53
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	59.42	-9.26	-486.44
Rochester, NY	Ozone	Former Subpart 1	50	-	949.84	-147.98	-7,776.12
Rocky Mount, NC	Ozone	Maintenance	100	-	127.85	-19.92	-1,046.64
Rome, GA	PM _{2.5}	Nonattainment	100	-	84.38	-13.15	-690.80
Ronan, MT	PM ₁₀	Moderate	100	-	0.90	-0.14	-7.34
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	1.72	-0.27	-14.10
Sacramento County, CA	PM ₁₀	Moderate	100	-	1,221.62	-190.32	-10,001.13
Sacramento Metro, CA	Ozone	Severe	25	-	2,238.59	-352.39	-18,346.58
Sacramento, CA	CO	Maintenance	100	-	1,372.92	-214.33	-11,242.15
Salem, OR	CO	Maintenance	100	-	91.77	-14.30	-751.29
Salt Lake City, UT	CO	Maintenance	100	-	152.72	-31.89	-1,294.34
Salt Lake County, UT	PM ₁₀	Moderate	100	-	753.82	-125.53	-6,215.46
Salt Lake County, UT	SO _x	Nonattainment	100	-	758.73	-118.21	-6,211.56
San Antonio, TX	Ozone	Former Subpart 1	50	-	1,388.48	-217.12	-11,371.54
San Bernardino County, CA	PM ₁₀	Moderate	100	-	328.15	-51.12	-2,686.46
San Diego, CA	CO	Maintenance	100	-	3,320.62	-517.34	-27,185.14
San Diego, CA	Ozone	Former Subpart 1	50	-	3,326.96	-518.32	-27,237.04
San Francisco Bay Area, CA	Ozone	Marginal	50	-	4,845.48	-867.08	-40,280.06
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	5,471.27	-964.57	-45,403.29
San Joaquin Valley, CA	Ozone	Extreme	10	-	3,676.61	-578.28	-30,129.44
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	3,687.84	-580.03	-30,221.32
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	3,676.61	-578.28	-30,129.44
San Manual (Pinal County), AZ	SO _x	Maintenance	100	-	26.51	-4.13	-216.99
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.49	-0.08	-3.97
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	474.95	-74.00	-3,888.32
Seattle-Tacoma, WA	CO	Maintenance	100	-	2,248.37	-350.28	-18,406.85
Sheboygan, WI	Ozone	Moderate	50	-	87.37	-13.61	-715.31
Sheridan, WY	PM ₁₀	Moderate	100	-	15.23	-2.37	-124.67
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.01	-0.00	-0.09
Somerville, NJ	CO	Maintenance	100	-	12.87	-2.00	-105.35
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	320.93	-50.14	-2,628.13
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	106.10	-16.54	-868.69
Spokane County, WA	PM ₁₀	Maintenance	100	-	222.38	-34.65	-1,820.55
Spokane, WA	CO	Maintenance	100	-	219.92	-34.26	-1,800.42
Springfield (western MA), MA	Ozone	Moderate	50	-	632.98	-99.81	-5,188.54
Springfield, MA	CO	Maintenance	100	-	105.37	-16.89	-865.24
St Louis, MO	CO	Maintenance	100	-	583.26	-90.87	-4,775.02
St Louis, MO-IL	Ozone	Moderate	50	-	1,963.27	-421.38	-16,702.25
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	1,949.84	-419.28	-16,592.27
State College, PA	Ozone	Maintenance	100	-	128.77	-20.06	-1,054.24
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	15.52	-2.42	-127.07
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	27.96	-4.36	-228.89
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	59.00	-15.28	-516.14
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	59.00	-15.28	-516.14

Table B1-3
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Carbon Monoxide (CO) 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Stockton, CA	CO	Maintenance	100	-	380.83	-59.33	-3,117.74
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	-0.00	-0.03
Syracuse, NY	CO	Maintenance	100	-	353.62	-55.09	-2,895.04
Telluride, CO	PM ₁₀	Maintenance	100	-	1.37	-0.21	-11.20
Terre Haute, IN	Ozone	Maintenance	100	-	85.51	-13.32	-700.06
Tioga County, PA	Ozone	Maintenance	100	-	37.74	-5.88	-308.98
Toledo, OH	Ozone	Maintenance	100	-	272.47	-213.78	-3,164.29
Toms River, NJ	CO	Maintenance	100	-	78.19	-12.18	-640.14
Tooele County, UT	SO _x	Nonattainment	100	-	74.47	-11.60	-609.69
Trenton, NJ	CO	Maintenance	100	-	64.04	-9.98	-524.25
Trona, CA	PM ₁₀	Moderate	100	-	2.56	-0.40	-20.97
Tucson, AZ	CO	Maintenance	100	-	759.77	-118.37	-6,220.03
Utah County, UT	PM ₁₀	Moderate	100	-	370.80	-57.77	-3,035.66
Vancouver, WA	CO	Maintenance	100	-	246.85	-38.46	-2,020.92
Ventura County, CA	Ozone	Serious	50	-	674.83	-107.95	-5,540.01
Vermillion County, IN	PM ₁₀	Maintenance	100	-	4.76	-0.74	-38.98
Vigo County, IN	SO _x	Maintenance	100	-	85.51	-13.32	-700.06
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.01
Waltham, MA	CO	Maintenance	100	-	39.82	-6.20	-326.02
Warren County, NJ	SO _x	Maintenance	100	-	26.08	-4.06	-213.52
Warren County, PA	SO _x	Nonattainment	100	-	9.29	-1.61	-76.91
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	149.63	-23.31	-1,225.00
Washington, DC-MD-VA	CO	Maintenance	100	-	1,142.10	-177.93	-9,350.09
Washington, DC-MD-VA	Ozone	Moderate	50	-	4,087.66	-636.84	-33,464.71
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	3,997.16	-622.74	-32,723.84
Washoe County, NV	PM ₁₀	Serious	70	-	175.79	-27.39	-1,439.14
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	2.83	-0.44	-23.16
Wayne County, IN	SO _x	Maintenance	100	-	46.05	-7.17	-377.02
Wayne County, MI	PM ₁₀	Maintenance	100	-	52.53	-20.84	-499.01
Weirton, WV	PM ₁₀	Maintenance	100	-	5.79	-0.90	-47.44
Weirton, WV	SO _x	Maintenance	100	-	7.73	-1.20	-63.30
Wheeling, WV-OH	Ozone	Maintenance	100	-	96.32	-15.01	-788.53
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	96.32	-15.01	-788.53
Winston-Salem, NC	CO	Maintenance	100	-	297.32	-46.32	-2,434.11
Worcester, MA	CO	Maintenance	100	-	166.62	-25.96	-1,364.10
Yakima County, WA	PM ₁₀	Maintenance	100	-	68.04	-10.60	-557.06
Yakima, WA	CO	Maintenance	100	-	30.66	-4.78	-251.01
York, PA	Ozone	Maintenance	100	-	329.66	-51.36	-2,698.88
York, PA	PM _{2.5}	Nonattainment	100	-	255.61	-39.82	-2,092.64
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	421.88	-65.73	-3,453.81
Yuma, AZ	PM ₁₀	Moderate	100	-	145.21	-22.62	-1,188.76

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

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

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

Source: EPA, 2008.

Table B1-4
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Carbon Monoxide (CO) 2060

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.64	-1.63	-15.05
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	1.65	-4.18	-38.56
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	1.71	-4.34	-39.99
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	506.28	-1,284.74	-11,843.17
Albuquerque, NM	CO	Maintenance	100	-	227.66	-577.51	-5,324.41
Allegan County, MI	Ozone	Former Subpart 1	50	-	64.18	-162.80	-1,500.97
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	232.39	-590.27	-5,439.30
Altoona, PA	Ozone	Maintenance	100	-	34.47	-87.44	-806.17
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	91.60	-232.35	-2,142.18
Anchorage, AK	CO	Maintenance	100	-	61.68	-156.46	-1,442.55
Anthony, NM	PM ₁₀	Moderate	100	-	2.80	-7.10	-65.45
Armstrong County, PA	SO _x	Nonattainment	100	-	1.93	-4.89	-45.13
Aspen, CO	PM ₁₀	Maintenance	100	-	3.01	-7.64	-70.45
Atlanta, GA	Ozone	Moderate	50	-	2,866.06	-7,272.02	-67,039.03
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	2,866.98	-7,274.34	-67,060.43
Atlantic City, NJ	CO	Maintenance	100	-	18.73	-47.51	-438.01
Bakersfield, CA	CO	Maintenance	100	-	191.37	-492.55	-4,516.19
Baltimore, MD	CO	Maintenance	100	-	3.63	-9.34	-85.66
Baltimore, MD	Ozone	Moderate	50	-	1,234.47	-3,135.19	-28,892.08
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	1,234.45	-3,135.14	-28,891.65
Baton Rouge, LA	Ozone	Moderate	50	-	98.71	-1,007.45	-6,629.29
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-13.47	-615.52	-3,392.96
Benton County, TN	SO _x	Maintenance	100	-	0.39	-0.98	-9.05
Benton Harbor, MI	Ozone	Maintenance	100	-	58.55	-148.62	-1,369.93
Benzie County, MI	Ozone	Maintenance	100	-	11.07	-28.08	-258.85
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	61.08	-154.95	-1,428.56
Billings, MT	CO	Maintenance	100	-	-3.15	-122.10	-668.77
Birmingham, AL	Ozone	Maintenance	100	-	370.00	-944.05	-8,684.57
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	371.37	-947.53	-8,716.61
Boise-Northern Ada County, ID	CO	Maintenance	100	-	137.62	-350.71	-3,227.78
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	137.62	-350.71	-3,227.78
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	8.06	-20.44	-188.47
Boston, MA	CO	Maintenance	100	-	324.64	-823.50	-7,592.39
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	2,013.60	-5,107.82	-47,092.23
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	268.83	-681.92	-6,287.03
Boyd County (part), KY	SO _x	Maintenance	100	-	3.40	-8.61	-79.41
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	429.24	-1,088.85	-10,038.77
Burlington, NJ	CO	Maintenance	100	-	1.79	-4.53	-41.75
Butte, MT	PM ₁₀	Moderate	100	-	6.43	-16.32	-150.46
Canon City, CO	PM ₁₀	Maintenance	100	-	9.23	-23.42	-215.89
Canton-Massillon, OH	Ozone	Maintenance	100	-	96.44	-277.46	-2,442.73
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	96.44	-277.46	-2,442.73
Case County, MI	Ozone	Maintenance	100	-	16.06	-40.74	-375.65
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.32	-0.82	-7.55
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	1.88	-4.77	-43.96
Charleston, WV	Ozone	Maintenance	100	-	91.80	-232.87	-2,147.02
Charleston, WV	PM _{2.5}	Nonattainment	100	-	91.80	-232.87	-2,147.02
Charlotte, NC	CO	Maintenance	100	-	319.41	-810.23	-7,470.04
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	698.00	-1,770.59	-16,324.23

Table B1-4
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Carbon Monoxide (CO) 2060

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	203.14	-515.35	-4,751.21
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	188.19	-477.43	-4,401.54
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	2,645.80	-7,694.94	-67,490.37
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	2,743.05	-7,941.64	-69,764.81
Chico, CA	CO	Maintenance	100	-	59.16	-150.06	-1,383.52
Chico, CA	Ozone	Former Subpart 1	50	-	123.93	-314.37	-2,898.38
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	775.10	-1,966.16	-18,127.25
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	750.06	-1,902.63	-17,541.59
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	3.95	-10.03	-92.45
Clark County, NV	PM ₁₀	Serious	70	-	709.31	-1,799.27	-16,588.62
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	109.66	-278.18	-2,564.71
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	66.84	-169.55	-1,563.21
Cleveland, OH	CO	Maintenance	100	-	301.63	-765.13	-7,054.24
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	946.60	-2,401.21	-22,138.27
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	865.61	-2,195.76	-20,244.06
Coachella Valley, CA	PM ₁₀	Serious	70	-	324.57	-823.32	-7,590.73
Colbert County, AL	SO _x	Maintenance	100	-	19.01	-48.21	-444.51
Colorado Springs, CO	CO	Maintenance	100	-	262.53	-671.64	-6,172.28
Columbia Falls, MT	PM ₁₀	Moderate	100	-	2.53	-6.41	-59.14
Columbia, SC	Ozone	Former Subpart 1	50	-	256.95	-651.80	-6,009.36
Columbus, OH	Ozone	Maintenance	100	-	728.35	-1,847.57	-17,033.94
Columbus, OH	PM _{2.5}	Nonattainment	100	-	678.35	-1,720.74	-15,864.60
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.86	-2.24	-20.45
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.09	-0.22	-2.04
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	301.63	-765.13	-7,054.26
Cuyahoga County, OH	SO _x	Maintenance	100	-	260.07	-659.70	-6,082.17
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	3,122.59	-7,924.75	-73,049.86
Dayton-Springfield, OH	Ozone	Maintenance	100	-	296.33	-751.69	-6,930.33
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	260.22	-660.08	-6,085.69
Denver Metro, CO	PM ₁₀	Maintenance	100	-	1,288.76	-3,342.58	-30,559.48
Denver-Boulder, CO	CO	Maintenance	100	-	1,230.86	-3,195.71	-29,205.35
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	1,559.31	-4,029.01	-36,887.60
Detroit, MI	CO	Maintenance	100	-	462.91	-1,205.07	-11,002.02
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	1,781.24	-4,556.30	-41,874.31
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	1,747.60	-4,470.95	-41,087.46
Door County, WI	Ozone	Former Subpart 1	50	-	15.53	-39.39	-363.20
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	12.85	-32.59	-300.43
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	10.58	-26.85	-247.54
Duluth, MN	CO	Maintenance	100	-	28.13	-71.35	-657.81
Eagle River, AK	PM ₁₀	Moderate	100	-	3.97	-10.07	-92.82
East Chicago, IN	CO	Maintenance	100	-	0.35	-0.88	-8.11
East Chicago, IN	PM ₁₀	Maintenance	100	-	-47.15	-380.49	-1,751.52
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.39	-1.00	-9.18
El Paso County, TX	PM ₁₀	Moderate	100	-	189.64	-520.39	-4,659.64
El Paso, TX	CO	Maintenance	100	-	11.83	-30.04	-276.83
Erie, PA	Ozone	Maintenance	100	-	81.54	-206.83	-1,906.88
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.73	-1.85	-17.02

Table B1-4
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Carbon Monoxide (CO) 2060

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Eugene-Springfield, OR	CO	Maintenance	100	-	94.77	-240.41	-2,216.50
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	91.06	-231.00	-2,129.73
Evansville, IN	Ozone	Maintenance	100	-	95.79	-242.97	-2,240.14
Evansville, IN	PM _{2.5}	Nonattainment	100	-	120.90	-306.68	-2,827.50
Fairbanks, AK	CO	Maintenance	100	-	7.73	-19.61	-180.81
Fayetteville, NC	Ozone	Former Subpart 1	50	-	114.71	-290.99	-2,682.84
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	3.28	-8.31	-76.66
Flint, MI	Ozone	Maintenance	100	-	191.04	-484.59	-4,467.77
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.25	-0.63	-5.79
Fort Collins, CO	CO	Maintenance	100	-	80.41	-203.96	-1,880.47
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.21	-0.53	-4.93
Fort Wayne, IN	Ozone	Maintenance	100	-	142.42	-361.28	-3,330.89
Franklin County, PA	Ozone	Maintenance	100	-	61.89	-156.99	-1,447.42
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.27	-0.67	-6.22
Frederick County, VA	Ozone	Former Subpart 1	50	-	51.37	-130.30	-1,201.32
Fredericksburg, VA	Ozone	Maintenance	100	-	192.86	-489.22	-4,510.46
Freehold, NJ	CO	Maintenance	100	-	8.91	-22.61	-208.45
Fresno, CA	CO	Maintenance	100	-	257.98	-655.08	-6,037.24
Grand Rapids, MI	Ozone	Maintenance	100	-	340.98	-864.96	-7,974.59
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	13.19	-33.48	-308.63
Grant County, NM	SO _x	Maintenance	100	-	0.84	-2.12	-19.58
Grants Pass, OR	CO	Maintenance	100	-	0.20	-0.52	-4.79
Grants Pass, OR	PM ₁₀	Maintenance	100	-	15.17	-38.47	-354.69
Great Falls, MT	CO	Maintenance	100	-	5.87	-14.88	-137.19
Greater Connecticut, CT	Ozone	Moderate	50	-	606.29	-1,538.94	-14,184.94
Greeley, CO	CO	Maintenance	100	-	52.57	-133.34	-1,229.36
Green Bay, WI	SO _x	Maintenance	100	-	48.85	-123.92	-1,142.46
Greene County, IN	Ozone	Maintenance	100	-	18.80	-47.69	-439.69
Greene County, PA	Ozone	Maintenance	100	-	16.40	-41.59	-383.47
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	614.71	-1,560.54	-14,383.28
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	298.26	-757.81	-6,982.42
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	324.91	-825.52	-7,606.29
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	8.49	-21.55	-198.67
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	45.06	-114.31	-1,053.85
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	355.32	-901.74	-8,312.23
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	327.34	-830.78	-7,658.00
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	381.86	-969.64	-8,936.26
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	4.58	-11.61	-107.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	18.26	-46.32	-427.05
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	1.94	-4.93	-45.42
Hazelwood, PA	SO _x	Maintenance	100	-	15.58	-39.58	-364.66
Hickory, NC	PM _{2.5}	Nonattainment	100	-	62.35	-158.15	-1,458.12
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	106.78	-270.85	-2,497.17
Hollis Township, IL	SO _x	Maintenance	100	-	0.80	-2.03	-18.72
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	2,077.36	-6,334.70	-54,662.53
Humphreys County, TN	SO _x	Maintenance	100	-	1.07	-2.72	-25.06
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-13.48	-459.69	-2,503.48
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-65.85	-326.85	-1,278.75
Huron County, MI	Ozone	Maintenance	100	-	10.09	-25.60	-236.05

Table B1-4
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Carbon Monoxide (CO) 2060

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Imperial County, CA	Ozone	Moderate	50	-	102.13	-259.06	-2,388.45
Imperial Valley, CA	PM ₁₀	Serious	70	-	100.07	-253.86	-2,340.46
Indian Wells, CA	PM ₁₀	Maintenance	100	-	11.92	-30.25	-278.87
Indianapolis, IN	CO	Maintenance	100	-	0.27	-0.70	-6.41
Indianapolis, IN	Ozone	Maintenance	100	-	826.63	-2,096.89	-19,332.52
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	657.91	-1,668.90	-15,386.62
Jackson County, IN	Ozone	Maintenance	100	-	29.41	-74.60	-687.76
Jamestown, NY	Ozone	Former Subpart 1	50	-	57.53	-145.92	-1,345.36
Jefferson County, NY	Ozone	Moderate	50	-	46.82	-118.76	-1,094.90
Jefferson County, OH	PM ₁₀	Maintenance	100	-	2.23	-5.66	-52.21
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	78.13	-198.20	-1,827.33
Johnstown, PA	Ozone	Maintenance	100	-	28.59	-72.52	-668.61
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	31.49	-79.87	-736.36
Juneau, AK	PM ₁₀	Moderate	100	-	5.44	-13.79	-127.12
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	187.68	-476.09	-4,389.39
Kalispell, MT	PM ₁₀	Moderate	100	-	13.23	-33.56	-309.41
Kansas City, MO-KS	Ozone	Maintenance	100	-	690.55	-1,755.87	-16,173.78
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	60.12	-152.51	-1,406.06
Kent, WA	PM ₁₀	Maintenance	100	-	11.55	-29.29	-270.02
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	31.20	-79.13	-729.56
Kewaunee County, WI	Ozone	Maintenance	100	-	8.95	-22.69	-209.20
King County, WA	PM ₁₀	Maintenance	100	-	4.43	-11.23	-103.50
Klamath Falls, OR	CO	Maintenance	100	-	17.92	-45.45	-418.99
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	17.92	-45.45	-418.99
Knoxville, TN	Ozone	Former Subpart 1	50	-	521.56	-1,323.02	-12,197.72
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	393.26	-997.57	-9,197.25
La Porte County, IN	SO _x	Maintenance	100	-	11.75	-29.79	-274.68
LaGrande, OR	PM ₁₀	Maintenance	100	-	5.73	-14.54	-134.02
Lake County, IN	SO _x	Maintenance	100	-	104.98	-267.61	-2,462.69
Lake County, OH	SO _x	Maintenance	100	-	13.10	-33.22	-306.26
Lake County, OR	PM ₁₀	Maintenance	100	-	2.12	-5.38	-49.58
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	16.53	-41.92	-386.50
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	37.62	-95.43	-879.86
Lake Tahoe, NV	CO	Maintenance	100	-	7.56	-19.19	-176.92
Lamar, CO	PM ₁₀	Maintenance	100	-	3.23	-8.19	-75.48
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.44	-1.11	-10.26
Lancaster, PA	Ozone	Maintenance	100	-	180.00	-457.14	-4,212.76
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	180.00	-457.14	-4,212.76
Lane County, OR	PM ₁₀	Moderate	100	-	0.42	-1.07	-9.83
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	183.91	-466.51	-4,301.06
LaPorte, IN	Ozone	Maintenance	100	-	32.57	-82.63	-761.80
Las Vegas, NV	CO	Serious	100	-	709.31	-1,799.27	-16,588.62
Las Vegas, NV	Ozone	Former Subpart 1	50	-	716.66	-1,817.92	-16,760.52
Lauderdale County, AL	SO _x	Maintenance	100	-	30.68	-77.82	-717.49
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.64	-1.62	-14.89
Libby, MT	PM ₁₀	Moderate	100	-	1.44	-3.65	-33.67
Libby, MT	PM _{2.5}	Nonattainment	100	-	1.92	-4.87	-44.91
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	3.95	-10.03	-92.43
Lima, OH	Ozone	Maintenance	100	-	17.19	-134.67	-921.78

Table B1-4
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Carbon Monoxide (CO) 2060

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Longmont, CO	CO	Maintenance	100	-	42.79	-108.54	-1,000.66
Lorain County, OH	SO _x	Maintenance	100	-	17.83	-45.24	-417.10
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	6,337.15	-16,855.80	-152,662.55
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	6,337.15	-16,855.80	-152,662.52
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	6,337.15	-16,855.80	-152,662.52
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	6,337.19	-16,855.90	-152,663.44
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	6,336.86	-16,855.08	-152,655.87
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	301.11	-763.81	-7,042.00
Louisville, KY-IN	Ozone	Maintenance	100	-	417.91	-1,060.10	-9,773.71
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	397.35	-1,007.95	-9,292.95
Lowell, MA	CO	Maintenance	100	-	48.36	-122.67	-1,130.94
Lucas County, OH	SO _x	Maintenance	100	-	101.91	-258.52	-2,383.48
Lyons Township, IL	PM ₁₀	Maintenance	100	-	21.32	-54.08	-498.56
Macon, GA	Ozone	Maintenance	100	-	69.88	-177.25	-1,634.20
Macon, GA	PM _{2.5}	Nonattainment	100	-	68.96	-174.93	-1,612.82
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.95	-2.42	-22.27
Madison, WI	SO _x	Maintenance	100	-	112.14	-284.46	-2,622.62
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	5.86	-14.87	-137.12
Manchester, NH	CO	Maintenance	100	-	24.93	-63.25	-583.14
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	36.39	-92.30	-850.96
Marion County, IN	SO _x	Maintenance	100	-	109.08	-276.69	-2,550.98
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	57.03	-144.66	-1,333.70
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	124.08	-314.75	-2,901.87
Mason County, MI	Ozone	Maintenance	100	-	10.50	-26.63	-245.51
Medford, OR	CO	Maintenance	100	-	36.78	-93.30	-860.15
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	88.74	-225.10	-2,075.30
Memphis, TN-AR	Ozone	Maintenance	100	-	338.89	-902.68	-8,171.27
Memphis, TN	CO	Maintenance	100	-	313.63	-838.59	-7,580.37
Miami (Gila County), AZ	SO _x	Maintenance	100	-	13.47	-34.16	-314.92
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	1.64	-4.18	-38.51
Milwaukee, WI	SO _x	Maintenance	100	-	188.74	-478.76	-4,413.96
Milwaukee-Racine, WI	Ozone	Moderate	50	-	704.06	-1,785.96	-16,465.89
Minneapolis-St Paul, MN	CO	Maintenance	100	-	919.93	-3,434.49	-27,797.96
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	1,149.64	-2,920.25	-26,909.55
Missoula, MT	CO	Maintenance	100	-	24.53	-64.10	-584.42
Missoula, MT	PM ₁₀	Moderate	100	-	23.73	-62.01	-565.36
Modesto, CA	CO	Maintenance	100	-	149.05	-378.09	-3,485.89
Mohave County, AZ	PM ₁₀	Maintenance	100	-	51.59	-130.85	-1,206.43
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.74	-1.87	-17.20
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	1.18	-3.00	-27.66
Morristown, NJ	CO	Maintenance	100	-	15.81	-40.09	-369.64
Muhlenberg County, KY	SO _x	Maintenance	100	-	9.96	-25.26	-232.90
Muncie, IN	Ozone	Maintenance	100	-	36.18	-91.79	-846.23
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	2.27	-5.76	-53.11
Muscatine County, IA	SO _x	Maintenance	100	-	6.11	-15.50	-142.89
Muskegon, MI	Ozone	Maintenance	100	-	50.79	-128.93	-1,188.35
Nashua, NH	CO	Maintenance	100	-	20.36	-51.65	-476.23
Nashville, TN	Ozone	Former Subpart 1	50	-	687.89	-1,746.25	-16,095.25
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	78.46	-199.04	-1,835.05

Table B1-4
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Carbon Monoxide (CO) 2060

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
New Haven County, CT	PM ₁₀	Maintenance	100	-	63.71	-161.60	-1,489.93
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	284.93	-722.77	-6,663.69
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	2.11	-5.34	-49.26
New York County, NY	PM ₁₀	Moderate	100	-	153.46	-389.27	-3,588.90
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	2,912.16	-7,429.93	-68,350.96
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	5,708.30	-14,544.26	-133,867.12
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	5,655.48	-14,410.27	-132,631.77
Nogales, AZ	PM ₁₀	Moderate	100	-	16.84	-42.71	-393.75
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-191.30	-2,788.78	-14,212.15
Ogden, UT	CO	Maintenance	100	-	25.68	-65.15	-600.62
Ogden, UT	PM ₁₀	Moderate	100	-	25.68	-65.15	-600.63
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.65	-1.66	-15.31
Olmsted County, MN	PM ₁₀	Maintenance	100	-	6.78	-17.21	-158.67
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	48.16	-122.16	-1,126.26
Owens Valley, CA	PM ₁₀	Serious	70	-	2.28	-5.79	-53.42
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.09	-0.22	-2.03
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	51.82	-131.46	-1,212.00
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	52.22	-132.48	-1,221.39
Payson, AZ	PM ₁₀	Maintenance	100	-	8.40	-21.31	-196.49
Penns Grove, NJ	CO	Maintenance	100	-	0.18	-0.45	-4.15
Peoria, IL	SO _x	Maintenance	100	-	34.91	-88.71	-817.29
Perth Amboy, NJ	CO	Maintenance	100	-	34.05	-107.26	-915.53
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	127.81	-324.22	-2,989.21
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	1,513.71	-4,453.05	-38,901.50
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	2,321.60	-6,502.88	-57,798.39
Phoenix, AZ	CO	Maintenance	100	-	2,530.32	-6,419.69	-59,183.23
Phoenix, AZ	PM ₁₀	Serious	70	-	2,594.67	-6,582.93	-60,688.18
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	2,600.99	-6,598.96	-60,835.97
Pierce County, WA	PM ₁₀	Maintenance	100	-	3.51	-8.91	-82.16
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.33	-0.83	-7.66
Pittsburgh, PA	CO	Maintenance	100	-	12.47	-31.67	-291.84
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	721.16	-1,830.43	-16,872.00
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	658.42	-1,671.27	-15,404.68
Polk County, TN	SO _x	Maintenance	100	-	7.76	-19.69	-181.54
Polson, MT	PM ₁₀	Moderate	100	-	1.42	-3.60	-33.19
Portland, ME	Ozone	Maintenance	100	-	217.24	-554.40	-5,099.66
Portland, OR	CO	Maintenance	100	-	439.74	-1,118.66	-10,302.46
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	15.87	-40.25	-371.06
Poughkeepsie, NY	Ozone	Moderate	50	-	619.42	-1,571.27	-14,486.50
Presque Isle, ME	PM ₁₀	Maintenance	100	-	3.07	-7.79	-71.79
Providence (entire State), RI	Ozone	Moderate	50	-	396.72	-1,010.70	-9,302.93
Provo, UT	CO	Maintenance	100	-	74.02	-187.76	-1,731.07
Raleigh-Durham, NC	CO	Maintenance	100	-	573.22	-1,454.75	-13,409.80
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	777.17	-1,972.10	-18,179.60
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.61	-1.56	-14.30
Reading, PA	Ozone	Maintenance	100	-	126.09	-319.85	-2,948.91
Reading, PA	PM _{2.5}	Nonattainment	100	-	126.09	-319.85	-2,948.91
Reno, NV	CO	Maintenance	100	-	95.17	-241.41	-2,225.75
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.57	-1.44	-13.31

**Table B1-4
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Carbon Monoxide (CO) 2060**

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	470.28	-1,193.94	-11,004.15
Rillito, AZ	PM ₁₀	Moderate	100	-	23.68	-60.06	-553.77
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	324.57	-823.32	-7,590.73
Roanoke, VA	Ozone	Former Subpart 1	50	-	94.86	-240.62	-2,218.43
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	32.84	-83.31	-768.13
Rochester, NY	Ozone	Former Subpart 1	50	-	508.66	-1,290.29	-11,895.99
Rocky Mount, NC	Ozone	Maintenance	100	-	66.58	-168.88	-1,557.04
Rome, GA	PM _{2.5}	Nonattainment	100	-	44.78	-113.60	-1,047.36
Ronan, MT	PM ₁₀	Moderate	100	-	0.53	-1.35	-12.45
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.88	-2.24	-20.63
Sacramento County, CA	PM ₁₀	Moderate	100	-	730.09	-1,851.98	-17,074.58
Sacramento Metro, CA	Ozone	Severe	25	-	1,353.43	-3,438.40	-31,682.51
Sacramento, CA	CO	Maintenance	100	-	821.56	-2,084.62	-19,217.29
Salem, OR	CO	Maintenance	100	-	48.45	-122.90	-1,133.05
Salt Lake City, UT	CO	Maintenance	100	-	84.72	-227.40	-2,052.65
Salt Lake County, UT	PM ₁₀	Moderate	100	-	416.49	-1,069.00	-9,811.87
Salt Lake County, UT	SO _x	Nonattainment	100	-	419.50	-1,064.14	-9,810.98
San Antonio, TX	Ozone	Former Subpart 1	50	-	776.60	-1,971.13	-18,169.03
San Bernardino County, CA	PM ₁₀	Moderate	100	-	182.97	-464.14	-4,279.22
San Diego, CA	CO	Maintenance	100	-	1,954.21	-4,957.16	-45,703.19
San Diego, CA	Ozone	Former Subpart 1	50	-	1,958.06	-4,966.93	-45,793.31
San Francisco Bay Area, CA	Ozone	Marginal	50	-	2,765.83	-7,189.24	-65,673.57
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	3,107.33	-8,055.50	-73,660.18
San Joaquin Valley, CA	Ozone	Extreme	10	-	2,182.78	-5,545.32	-51,096.46
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	2,187.55	-5,557.42	-51,208.03
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	2,182.78	-5,545.32	-51,096.46
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	15.40	-39.06	-360.09
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.26	-0.65	-6.02
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	254.36	-645.22	-5,948.65
Seattle-Tacoma, WA	CO	Maintenance	100	-	1,263.27	-3,204.48	-29,544.11
Sheboygan, WI	Ozone	Moderate	50	-	48.24	-122.36	-1,128.08
Sheridan, WY	PM ₁₀	Moderate	100	-	8.02	-20.35	-187.58
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	-0.01	-0.11
Somerville, NJ	CO	Maintenance	100	-	7.12	-18.06	-166.51
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	171.98	-436.47	-4,023.34
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	45.95	-116.57	-1,074.66
Spokane County, WA	PM ₁₀	Maintenance	100	-	124.41	-315.59	-2,909.64
Spokane, WA	CO	Maintenance	100	-	122.94	-311.86	-2,875.21
Springfield (western MA), MA	Ozone	Moderate	50	-	339.00	-861.76	-7,938.64
Springfield, MA	CO	Maintenance	100	-	59.49	-151.69	-1,395.75
St Louis, MO	CO	Maintenance	100	-	281.11	-713.09	-6,574.42
St Louis, MO-IL	Ozone	Moderate	50	-	1,014.47	-2,751.75	-24,743.57
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	1,007.45	-2,733.96	-24,579.53
State College, PA	Ozone	Maintenance	100	-	72.56	-184.07	-1,697.04
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	9.51	-24.13	-222.50
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	13.85	-35.14	-323.93
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	28.75	-82.32	-725.99
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	28.75	-82.32	-725.99

Table B1-4
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Carbon Monoxide (CO) 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Stockton, CA	CO	Maintenance	100	-	231.56	-587.40	-5,415.59
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	-0.00	-0.03
Syracuse, NY	CO	Maintenance	100	-	184.29	-467.49	-4,310.10
Telluride, CO	PM ₁₀	Maintenance	100	-	0.91	-2.32	-21.37
Terre Haute, IN	Ozone	Maintenance	100	-	42.07	-106.72	-983.93
Tioga County, PA	Ozone	Maintenance	100	-	19.14	-48.55	-447.66
Toledo, OH	Ozone	Maintenance	100	-	131.72	-598.80	-4,591.13
Toms River, NJ	CO	Maintenance	100	-	46.27	-117.37	-1,082.14
Tooele County, UT	SO _x	Nonattainment	100	-	41.25	-104.64	-964.71
Trenton, NJ	CO	Maintenance	100	-	35.25	-89.41	-824.34
Trona, CA	PM ₁₀	Moderate	100	-	1.53	-3.88	-35.78
Tucson, AZ	CO	Maintenance	100	-	432.71	-1,097.64	-10,119.84
Utah County, UT	PM ₁₀	Moderate	100	-	211.24	-535.84	-4,940.26
Vancouver, WA	CO	Maintenance	100	-	144.08	-365.47	-3,369.50
Ventura County, CA	Ozone	Serious	50	-	399.13	-1,016.79	-9,359.17
Vermillion County, IN	PM ₁₀	Maintenance	100	-	2.38	-6.03	-55.56
Vigo County, IN	SO _x	Maintenance	100	-	42.07	-106.72	-983.93
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.01
Waltham, MA	CO	Maintenance	100	-	21.29	-54.01	-497.92
Warren County, NJ	SO _x	Maintenance	100	-	14.26	-36.18	-333.55
Warren County, PA	SO _x	Nonattainment	100	-	4.51	-11.72	-107.03
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	79.54	-201.77	-1,860.28
Washington, DC-MD-VA	CO	Maintenance	100	-	645.01	-1,636.17	-15,084.92
Washington, DC-MD-VA	Ozone	Moderate	50	-	2,311.35	-5,863.09	-54,055.56
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	2,257.80	-5,727.26	-52,803.22
Washoe County, NV	PM ₁₀	Serious	70	-	95.17	-241.41	-2,225.75
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	1.47	-3.73	-34.40
Wayne County, IN	SO _x	Maintenance	100	-	22.49	-57.06	-526.04
Wayne County, MI	PM ₁₀	Maintenance	100	-	42.82	-129.53	-1,120.76
Weirton, WV	PM ₁₀	Maintenance	100	-	2.33	-5.92	-54.58
Weirton, WV	SO _x	Maintenance	100	-	3.29	-8.36	-77.03
Wheeling, WV-OH	Ozone	Maintenance	100	-	47.00	-119.22	-1,099.14
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	47.00	-119.22	-1,099.14
Winston-Salem, NC	CO	Maintenance	100	-	161.96	-410.83	-3,787.73
Worcester, MA	CO	Maintenance	100	-	96.37	-244.47	-2,253.90
Yakima County, WA	PM ₁₀	Maintenance	100	-	37.19	-94.33	-869.68
Yakima, WA	CO	Maintenance	100	-	18.35	-46.55	-429.20
York, PA	Ozone	Maintenance	100	-	183.14	-464.56	-4,283.09
York, PA	PM _{2.5}	Nonattainment	100	-	141.66	-359.35	-3,313.04
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	211.13	-535.57	-4,937.79
Yuma, AZ	PM ₁₀	Moderate	100	-	84.15	-213.47	-1,968.12

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

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

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

Source: EPA, 2008.

**Table B1-5
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Nitrogen Oxide (NO_x) 2021**

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.01	0.01	0.06
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.02	0.03	0.12
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.02	0.03	0.13
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	4.64	8.72	37.98
Albuquerque, NM	CO	Maintenance	100	-	2.22	4.15	17.80
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.53	1.00	4.29
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	2.11	3.99	17.53
Altoona, PA	Ozone	Maintenance	100	-	0.39	0.73	3.14
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.58	1.08	4.63
Anchorage, AK	CO	Maintenance	100	-	0.52	0.97	4.16
Anthony, NM	PM ₁₀	Moderate	100	-	0.03	0.05	0.23
Armstrong County, PA	SO _x	Nonattainment	100	-	0.02	0.03	0.15
Aspen, CO	PM ₁₀	Maintenance	100	-	0.03	0.05	0.21
Atlanta, GA	Ozone	Moderate	50	-	24.55	45.92	197.75
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	24.56	45.95	197.87
Atlantic City, NJ	CO	Maintenance	100	-	0.20	0.37	1.57
Bakersfield, CA	CO	Maintenance	100	-	-3.07	-3.79	-0.06
Baltimore, MD	CO	Maintenance	100	-	0.03	0.05	0.28
Baltimore, MD	Ozone	Moderate	50	-	10.71	20.18	88.00
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	10.71	20.18	88.00
Baton Rouge, LA	Ozone	Moderate	50	-	-136.01	-196.34	-364.16
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-386.29	-560.17	-1,066.16
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.01	0.04
Benton Harbor, MI	Ozone	Maintenance	100	-	0.69	1.29	5.56
Benzie County, MI	Ozone	Maintenance	100	-	0.08	0.15	0.66
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.55	1.02	4.37
Billings, MT	CO	Maintenance	100	-	-45.87	-66.47	-126.10
Birmingham, AL	Ozone	Maintenance	100	-	-0.54	0.82	18.68
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-0.53	0.84	18.78
Boise-Northern Ada County, ID	CO	Maintenance	100	-	1.02	1.98	9.13
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	1.02	1.98	9.13
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.06	0.11	0.48
Boston, MA	CO	Maintenance	100	-	3.23	6.03	25.86
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	19.17	35.79	153.60
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	2.42	4.52	19.38
Boyd County (part), KY	SO _x	Maintenance	100	-	0.04	0.07	0.30
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	4.38	8.17	35.06
Burlington, NJ	CO	Maintenance	100	-	0.03	0.06	0.26
Butte, MT	PM ₁₀	Moderate	100	-	0.08	0.15	0.65
Canon City, CO	PM ₁₀	Maintenance	100	-	0.07	0.13	0.57
Canton-Massillon, OH	Ozone	Maintenance	100	-	-14.56	-20.66	-34.59
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-14.56	-20.66	-34.59
Case County, MI	Ozone	Maintenance	100	-	0.17	0.31	1.33
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.02
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.02	0.05	0.20
Charleston, WV	Ozone	Maintenance	100	-	1.07	2.00	8.57
Charleston, WV	PM _{2.5}	Nonattainment	100	-	1.07	2.00	8.57
Charlotte, NC	CO	Maintenance	100	-	2.72	5.07	21.75
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	6.10	11.39	48.87

Table B1-5
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Nitrogen Oxide (NO_x) 2021

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	2.05	3.83	16.53
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	1.86	3.48	15.00
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-229.22	-321.83	-499.55
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-228.33	-320.16	-492.35
Chico, CA	CO	Maintenance	100	-	0.38	0.72	3.07
Chico, CA	Ozone	Former Subpart 1	50	-	0.90	1.67	7.18
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	7.41	13.83	59.33
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	7.20	13.43	57.64
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.05	0.10	0.42
Clark County, NV	PM ₁₀	Serious	70	-	5.44	10.15	43.56
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.96	1.80	7.71
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.68	1.28	5.48
Cleveland, OH	CO	Maintenance	100	-	3.63	6.78	29.09
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	9.79	18.27	78.38
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	9.04	16.87	72.38
Coachella Valley, CA	PM ₁₀	Serious	70	-	2.28	4.25	18.23
Colbert County, AL	SO _x	Maintenance	100	-	0.23	0.43	1.86
Colorado Springs, CO	CO	Maintenance	100	-	1.76	3.45	16.22
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.02	0.04	0.16
Columbia, SC	Ozone	Former Subpart 1	50	-	2.45	4.57	19.60
Columbus, OH	Ozone	Maintenance	100	-	6.20	11.57	49.65
Columbus, OH	PM _{2.5}	Nonattainment	100	-	5.74	10.73	46.02
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.01	0.07
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	3.63	6.78	29.09
Cuyahoga County, OH	SO _x	Maintenance	100	-	2.96	5.53	23.70
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	24.97	46.86	202.98
Dayton-Springfield, OH	Ozone	Maintenance	100	-	3.20	5.97	25.60
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	2.83	5.28	22.65
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-17.53	-20.90	8.68
Denver-Boulder, CO	CO	Maintenance	100	-	-18.01	-21.79	4.86
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-15.29	-16.70	26.71
Detroit, MI	CO	Maintenance	100	-	-23.97	-32.26	-34.56
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-20.46	-22.47	34.28
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-20.78	-23.07	31.69
Door County, WI	Ozone	Former Subpart 1	50	-	0.14	0.26	1.09
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.13	0.25	1.07
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.11	0.20	0.84
Duluth, MN	CO	Maintenance	100	-	0.31	0.58	2.51
Eagle River, AK	PM ₁₀	Moderate	100	-	0.03	0.06	0.25
East Chicago, IN	CO	Maintenance	100	-	0.00	0.01	0.03
East Chicago, IN	PM ₁₀	Maintenance	100	-	-169.73	-246.08	-467.85
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.01	0.03
El Paso County, TX	PM ₁₀	Moderate	100	-	-15.83	-22.23	-34.56
El Paso, TX	CO	Maintenance	100	-	0.11	0.21	0.93
Erie, PA	Ozone	Maintenance	100	-	0.87	1.62	6.97
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.01	0.01	0.05

Table B1-5
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Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Eugene-Springfield, OR	CO	Maintenance	100	-	0.86	1.60	6.88
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.82	1.53	6.57
Evansville, IN	Ozone	Maintenance	100	-	0.96	1.79	7.68
Evansville, IN	PM _{2.5}	Nonattainment	100	-	1.24	2.31	9.90
Fairbanks, AK	CO	Maintenance	100	-	0.06	0.12	0.51
Fayetteville, NC	Ozone	Former Subpart 1	50	-	1.11	2.07	8.90
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.03	0.05	0.21
Flint, MI	Ozone	Maintenance	100	-	1.97	3.69	15.81
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.01	0.04
Fort Collins, CO	CO	Maintenance	100	-	0.64	1.20	5.16
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Fort Wayne, IN	Ozone	Maintenance	100	-	1.37	2.56	10.99
Franklin County, PA	Ozone	Maintenance	100	-	0.57	1.06	4.55
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.01	0.02
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.49	0.92	3.93
Fredericksburg, VA	Ozone	Maintenance	100	-	1.51	2.81	12.07
Freehold, NJ	CO	Maintenance	100	-	0.06	0.12	0.50
Fresno, CA	CO	Maintenance	100	-	2.05	3.87	17.00
Grand Rapids, MI	Ozone	Maintenance	100	-	3.01	5.62	24.13
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.15	0.29	1.25
Grant County, NM	SO _x	Maintenance	100	-	0.01	0.02	0.08
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.01
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.12	0.22	0.96
Great Falls, MT	CO	Maintenance	100	-	0.08	0.14	0.61
Greater Connecticut, CT	Ozone	Moderate	50	-	6.13	11.50	49.71
Greeley, CO	CO	Maintenance	100	-	0.46	0.85	3.65
Green Bay, WI	SO _x	Maintenance	100	-	0.46	0.86	3.68
Greene County, IN	Ozone	Maintenance	100	-	0.18	0.34	1.47
Greene County, PA	Ozone	Maintenance	100	-	0.17	0.32	1.39
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	5.99	11.24	48.75
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	2.90	5.47	23.98
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	3.26	6.15	26.94
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.09	0.16	0.68
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.43	0.81	3.46
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	3.11	5.83	25.28
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	2.87	5.38	23.33
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	3.94	7.41	32.19
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.04	0.07	0.29
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.14	0.27	1.14
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.02	0.03	0.15
Hazelwood, PA	SO _x	Maintenance	100	-	0.14	0.27	1.19
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.68	1.27	5.46
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	1.12	2.08	8.94
Hollis Township, IL	SO _x	Maintenance	100	-	0.01	0.01	0.07
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-423.38	-605.95	-1,067.77
Humphreys County, TN	SO _x	Maintenance	100	-	0.01	0.02	0.08
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-92.58	-133.92	-251.35
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-93.10	-134.90	-255.56
Huron County, MI	Ozone	Maintenance	100	-	0.11	0.20	0.87

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Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Imperial County, CA	Ozone	Moderate	50	-	0.80	1.49	6.37
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.78	1.45	6.23
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.13	0.24	1.02
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.01	0.03
Indianapolis, IN	Ozone	Maintenance	100	-	7.46	13.93	59.77
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	5.91	11.03	47.33
Jackson County, IN	Ozone	Maintenance	100	-	0.30	0.56	2.41
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.59	1.10	4.72
Jefferson County, NY	Ozone	Moderate	50	-	0.47	0.87	3.74
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.03	0.06	0.24
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.83	1.54	6.61
Johnstown, PA	Ozone	Maintenance	100	-	0.40	0.74	3.20
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.44	0.82	3.50
Juneau, AK	PM ₁₀	Moderate	100	-	0.04	0.07	0.31
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	1.91	3.57	15.32
Kalispell, MT	PM ₁₀	Moderate	100	-	0.11	0.20	0.86
Kansas City, MO-KS	Ozone	Maintenance	100	-	5.71	10.86	48.28
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.53	0.99	4.26
Kent, WA	PM ₁₀	Maintenance	100	-	0.09	0.17	0.73
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.31	0.58	2.50
Kewaunee County, WI	Ozone	Maintenance	100	-	0.09	0.18	0.75
King County, WA	PM ₁₀	Maintenance	100	-	0.04	0.07	0.30
Klamath Falls, OR	CO	Maintenance	100	-	0.19	0.35	1.51
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.19	0.35	1.51
Knoxville, TN	Ozone	Former Subpart 1	50	-	4.37	8.16	35.01
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	3.40	6.35	27.24
La Porte County, IN	SO _x	Maintenance	100	-	0.13	0.25	1.07
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.06	0.11	0.45
Lake County, IN	SO _x	Maintenance	100	-	1.08	2.06	9.11
Lake County, OH	SO _x	Maintenance	100	-	0.14	0.25	1.09
Lake County, OR	PM ₁₀	Maintenance	100	-	0.02	0.04	0.19
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.10	0.19	0.82
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.22	0.40	1.74
Lake Tahoe, NV	CO	Maintenance	100	-	0.08	0.14	0.61
Lamar, CO	PM ₁₀	Maintenance	100	-	0.03	0.06	0.27
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.01	0.01	0.04
Lancaster, PA	Ozone	Maintenance	100	-	1.62	3.06	13.33
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	1.62	3.06	13.33
Lane County, OR	PM ₁₀	Moderate	100	-	0.01	0.01	0.05
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	1.80	3.36	14.39
LaPorte, IN	Ozone	Maintenance	100	-	0.37	0.70	3.00
Las Vegas, NV	CO	Serious	100	-	5.44	10.15	43.56
Las Vegas, NV	Ozone	Former Subpart 1	50	-	5.52	10.31	44.24
Lauderdale County, AL	SO _x	Maintenance	100	-	0.34	0.63	2.70
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.01	0.01	0.05
Libby, MT	PM ₁₀	Moderate	100	-	0.02	0.03	0.14
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.02	0.04	0.18
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.05	0.10	0.42
Lima, OH	Ozone	Maintenance	100	-	-80.92	-117.31	-222.85

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Longmont, CO	CO	Maintenance	100	-	0.33	0.62	2.66
Lorain County, OH	SO _x	Maintenance	100	-	0.17	0.32	1.39
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-55.90	-57.72	139.72
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	-55.90	-57.72	139.72
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-55.90	-57.72	139.72
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-55.90	-57.72	139.72
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-55.90	-57.72	139.70
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	2.55	4.75	20.39
Louisville, KY-IN	Ozone	Maintenance	100	-	4.28	7.99	34.30
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	4.15	7.76	33.28
Lowell, MA	CO	Maintenance	100	-	0.42	0.79	3.39
Lucas County, OH	SO _x	Maintenance	100	-	1.15	2.14	9.20
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.24	0.44	1.91
Macon, GA	Ozone	Maintenance	100	-	0.81	1.51	6.47
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.80	1.49	6.41
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.01	0.02	0.09
Madison, WI	SO _x	Maintenance	100	-	0.89	1.67	7.16
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.03	0.06	0.26
Manchester, NH	CO	Maintenance	100	-	0.30	0.55	2.38
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.39	0.72	3.09
Marion County, IN	SO _x	Maintenance	100	-	1.20	2.24	9.60
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.40	0.75	3.21
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	1.20	2.24	9.61
Mason County, MI	Ozone	Maintenance	100	-	0.10	0.18	0.79
Medford, OR	CO	Maintenance	100	-	0.28	0.53	2.27
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.67	1.26	5.40
Memphis, TN-AR	Ozone	Maintenance	100	-	-18.33	-25.02	-30.97
Memphis, TN	CO	Maintenance	100	-	-18.64	-25.60	-33.47
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.11	0.20	0.86
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.02	0.04	0.16
Milwaukee, WI	SO _x	Maintenance	100	-	2.02	3.78	16.20
Milwaukee-Racine, WI	Ozone	Moderate	50	-	6.68	12.47	53.49
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-65.93	-91.25	-127.16
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	9.99	18.84	82.37
Missoula, MT	CO	Maintenance	100	-	0.02	0.12	1.25
Missoula, MT	PM ₁₀	Moderate	100	-	0.02	0.12	1.21
Modesto, CA	CO	Maintenance	100	-	1.11	2.07	8.87
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.37	0.69	2.98
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.01	0.01	0.04
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.01	0.02	0.10
Morristown, NJ	CO	Maintenance	100	-	0.12	0.22	0.95
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.11	0.21	0.89
Muncie, IN	Ozone	Maintenance	100	-	0.45	0.84	3.61
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.02	0.03	0.13
Muscatine County, IA	SO _x	Maintenance	100	-	0.06	0.11	0.46
Muskegon, MI	Ozone	Maintenance	100	-	0.48	0.89	3.87
Nashua, NH	CO	Maintenance	100	-	0.24	0.44	1.89
Nashville, TN	Ozone	Former Subpart 1	50	-	5.92	11.12	48.22
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.49	0.91	3.91

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.51	0.96	4.10
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	2.99	5.59	23.96
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.02	0.04	0.19
New York County, NY	PM ₁₀	Moderate	100	-	1.76	3.28	14.09
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-14.75	-9.09	114.06
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-7.75	11.99	271.22
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-8.22	11.12	267.48
Nogales, AZ	PM ₁₀	Moderate	100	-	0.15	0.28	1.22
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-44.54	-62.19	-92.77
Ogden, UT	CO	Maintenance	100	-	0.27	0.50	2.14
Ogden, UT	PM ₁₀	Moderate	100	-	0.27	0.50	2.14
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.01	0.02	0.08
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.08	0.15	0.65
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.39	0.73	3.14
Owens Valley, CA	PM ₁₀	Serious	70	-	0.01	0.03	0.11
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.55	1.03	4.43
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.56	1.04	4.46
Payson, AZ	PM ₁₀	Maintenance	100	-	0.07	0.13	0.58
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Peoria, IL	SO _x	Maintenance	100	-	0.27	0.55	2.76
Perth Amboy, NJ	CO	Maintenance	100	-	-18.77	-27.14	-50.72
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	1.51	2.82	12.09
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-147.14	-206.64	-321.28
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-139.55	-192.37	-259.21
Phoenix, AZ	CO	Maintenance	100	-	16.28	30.48	131.48
Phoenix, AZ	PM ₁₀	Serious	70	-	16.80	31.45	135.67
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	16.86	31.57	136.15
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.04	0.08	0.33
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.01	0.01	0.04
Pittsburgh, PA	CO	Maintenance	100	-	0.08	0.15	0.66
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	7.37	13.87	60.43
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	6.72	12.65	55.17
Polk County, TN	SO _x	Maintenance	100	-	0.08	0.15	0.64
Polson, MT	PM ₁₀	Moderate	100	-	0.01	0.02	0.09
Portland, ME	Ozone	Maintenance	100	-	1.72	3.38	15.83
Portland, OR	CO	Maintenance	100	-	4.09	7.76	34.27
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.17	0.31	1.34
Poughkeepsie, NY	Ozone	Moderate	50	-	4.98	9.30	39.90
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.04	0.07	0.29
Providence (entire State), RI	Ozone	Moderate	50	-	3.19	6.16	28.10
Provo, UT	CO	Maintenance	100	-	0.59	1.11	4.75
Raleigh-Durham, NC	CO	Maintenance	100	-	4.71	8.82	38.15
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	6.46	12.09	52.17
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.01	0.01	0.06
Reading, PA	Ozone	Maintenance	100	-	1.26	2.35	10.08
Reading, PA	PM _{2.5}	Nonattainment	100	-	1.26	2.35	10.08
Reno, NV	CO	Maintenance	100	-	0.92	1.71	7.35
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.01	0.03

**Table B1-5
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Nitrogen Oxide (NO_x) 2021**

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	4.32	8.19	36.15
Rillito, AZ	PM ₁₀	Moderate	100	-	0.18	0.33	1.41
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	2.28	4.25	18.23
Roanoke, VA	Ozone	Former Subpart 1	50	-	1.00	1.86	8.00
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.30	0.56	2.39
Rochester, NY	Ozone	Former Subpart 1	50	-	5.05	9.44	40.48
Rocky Mount, NC	Ozone	Maintenance	100	-	0.71	1.32	5.67
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.45	0.85	3.64
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.03
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.01	0.02	0.08
Sacramento County, CA	PM ₁₀	Moderate	100	-	5.36	10.02	42.97
Sacramento Metro, CA	Ozone	Severe	25	-	9.28	17.44	75.79
Sacramento, CA	CO	Maintenance	100	-	5.93	11.08	47.66
Salem, OR	CO	Maintenance	100	-	0.50	0.93	3.98
Salt Lake City, UT	CO	Maintenance	100	-	-8.34	-11.78	-19.06
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-5.29	-6.09	5.37
Salt Lake County, UT	SO _x	Nonattainment	100	-	3.84	7.17	30.75
San Antonio, TX	Ozone	Former Subpart 1	50	-	6.32	12.03	53.62
San Bernardino County, CA	PM ₁₀	Moderate	100	-	1.58	2.94	12.63
San Diego, CA	CO	Maintenance	100	-	14.92	27.91	120.11
San Diego, CA	Ozone	Former Subpart 1	50	-	14.95	27.96	120.33
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-210.09	-295.22	-461.09
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-206.91	-289.29	-435.64
San Joaquin Valley, CA	Ozone	Extreme	10	-	11.50	23.49	117.63
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	11.57	23.63	118.24
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	11.50	23.49	117.63
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.12	0.23	0.98
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	2.53	4.72	20.24
Seattle-Tacoma, WA	CO	Maintenance	100	-	11.06	20.65	88.57
Sheboygan, WI	Ozone	Moderate	50	-	0.44	0.83	3.55
Sheridan, WY	PM ₁₀	Moderate	100	-	0.08	0.15	0.66
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.06	0.12	0.52
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	1.56	2.97	13.26
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.68	1.28	5.49
Spokane County, WA	PM ₁₀	Maintenance	100	-	1.10	2.05	8.81
Spokane, WA	CO	Maintenance	100	-	1.09	2.03	8.72
Springfield (western MA), MA	Ozone	Moderate	50	-	3.17	6.01	26.45
Springfield, MA	CO	Maintenance	100	-	0.47	0.90	4.12
St Louis, MO	CO	Maintenance	100	-	3.58	6.69	28.70
St Louis, MO-IL	Ozone	Moderate	50	-	-120.33	-170.01	-275.56
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-120.41	-170.15	-276.15
State College, PA	Ozone	Maintenance	100	-	0.63	1.18	5.06
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.07	0.12	0.52
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.17	0.31	1.32
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-4.42	-6.26	-10.33
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-4.42	-6.26	-10.33

**Table B1-5
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Nitrogen Oxide (NO_x) 2021**

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Stockton, CA	CO	Maintenance	100	-	1.67	3.12	13.38
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	1.96	3.65	15.68
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	0.04
Terre Haute, IN	Ozone	Maintenance	100	-	0.51	0.95	4.09
Tioga County, PA	Ozone	Maintenance	100	-	0.22	0.40	1.74
Toledo, OH	Ozone	Maintenance	100	-	-76.38	-110.02	-201.43
Toms River, NJ	CO	Maintenance	100	-	0.36	0.68	2.91
Tooele County, UT	SO _x	Nonattainment	100	-	0.38	0.70	3.01
Trenton, NJ	CO	Maintenance	100	-	0.33	0.62	2.66
Trona, CA	PM ₁₀	Moderate	100	-	0.01	0.02	0.09
Tucson, AZ	CO	Maintenance	100	-	3.66	6.83	29.28
Utah County, UT	PM ₁₀	Moderate	100	-	1.78	3.33	14.28
Vancouver, WA	CO	Maintenance	100	-	1.13	2.10	9.02
Ventura County, CA	Ozone	Serious	50	-	2.81	5.34	23.68
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.03	0.05	0.22
Vigo County, IN	SO _x	Maintenance	100	-	0.51	0.95	4.09
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.21	0.40	1.71
Warren County, NJ	SO _x	Maintenance	100	-	0.13	0.25	1.07
Warren County, PA	SO _x	Nonattainment	100	-	0.01	0.03	0.31
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.80	1.50	6.45
Washington, DC-MD-VA	CO	Maintenance	100	-	5.88	10.97	47.06
Washington, DC-MD-VA	Ozone	Moderate	50	-	19.93	37.21	159.62
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	19.52	36.45	156.37
Washoe County, NV	PM ₁₀	Serious	70	-	0.92	1.71	7.35
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.02	0.03	0.12
Wayne County, IN	SO _x	Maintenance	100	-	0.28	0.52	2.24
Wayne County, MI	PM ₁₀	Maintenance	100	-	-19.54	-28.26	-52.93
Weirton, WV	PM ₁₀	Maintenance	100	-	0.04	0.07	0.30
Weirton, WV	SO _x	Maintenance	100	-	0.05	0.09	0.40
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.58	1.08	4.65
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.58	1.08	4.65
Winston-Salem, NC	CO	Maintenance	100	-	1.54	2.88	12.34
Worcester, MA	CO	Maintenance	100	-	0.80	1.50	6.43
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.35	0.65	2.78
Yakima, WA	CO	Maintenance	100	-	0.14	0.26	1.11
York, PA	Ozone	Maintenance	100	-	1.66	3.09	13.26
York, PA	PM _{2.5}	Nonattainment	100	-	1.29	2.41	10.32
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	2.47	4.60	19.75
Yuma, AZ	PM ₁₀	Moderate	100	-	0.68	1.26	5.42

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

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

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

Source: EPA, 2008.

Table B1-6
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Nitrogen Oxide (NO_x) 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.02	0.06	0.12
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.05	0.12	0.25
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.05	0.13	0.26
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	15.69	37.52	77.57
Albuquerque, NM	CO	Maintenance	100	-	7.42	17.58	36.16
Allegan County, MI	Ozone	Former Subpart 1	50	-	1.83	4.34	8.94
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	7.17	17.24	35.74
Altoona, PA	Ozone	Maintenance	100	-	1.28	3.04	6.24
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	2.09	4.96	10.20
Anchorage, AK	CO	Maintenance	100	-	1.79	4.24	8.72
Anthony, NM	PM ₁₀	Moderate	100	-	0.09	0.22	0.46
Armstrong County, PA	SO _x	Nonattainment	100	-	0.06	0.15	0.30
Aspen, CO	PM ₁₀	Maintenance	100	-	0.09	0.21	0.43
Atlanta, GA	Ozone	Moderate	50	-	83.81	199.04	409.90
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	83.86	199.15	410.13
Atlantic City, NJ	CO	Maintenance	100	-	0.65	1.53	3.15
Bakersfield, CA	CO	Maintenance	100	-	-6.22	-4.64	1.97
Baltimore, MD	CO	Maintenance	100	-	0.10	0.25	0.55
Baltimore, MD	Ozone	Moderate	50	-	36.60	87.61	181.23
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	36.60	87.61	181.22
Baton Rouge, LA	Ozone	Moderate	50	-	-338.92	-504.89	-698.51
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-967.79	-1,459.43	-2,051.22
Benton County, TN	SO _x	Maintenance	100	-	0.01	0.03	0.07
Benton Harbor, MI	Ozone	Maintenance	100	-	2.24	5.32	10.98
Benzie County, MI	Ozone	Maintenance	100	-	0.29	0.68	1.40
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	1.85	4.38	9.00
Billings, MT	CO	Maintenance	100	-	-114.83	-172.88	-242.50
Birmingham, AL	Ozone	Maintenance	100	-	1.73	13.55	38.65
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	1.77	13.65	38.85
Boise-Northern Ada County, ID	CO	Maintenance	100	-	3.63	9.00	18.96
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	3.63	9.00	18.96
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.21	0.50	1.02
Boston, MA	CO	Maintenance	100	-	10.73	25.43	52.31
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	64.25	152.27	313.21
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	8.19	19.40	39.90
Boyd County (part), KY	SO _x	Maintenance	100	-	0.12	0.29	0.60
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	14.52	34.39	70.74
Burlington, NJ	CO	Maintenance	100	-	0.10	0.24	0.50
Butte, MT	PM ₁₀	Moderate	100	-	0.26	0.62	1.28
Canon City, CO	PM ₁₀	Maintenance	100	-	0.25	0.58	1.19
Canton-Massillon, OH	Ozone	Maintenance	100	-	-35.63	-50.72	-65.89
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-35.63	-50.72	-65.89
Case County, MI	Ozone	Maintenance	100	-	0.55	1.30	2.68
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.01	0.02	0.04
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.08	0.19	0.39
Charleston, WV	Ozone	Maintenance	100	-	3.48	8.25	16.96
Charleston, WV	PM _{2.5}	Nonattainment	100	-	3.48	8.25	16.96
Charlotte, NC	CO	Maintenance	100	-	9.27	21.97	45.20
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	20.74	49.14	101.07

**Table B1-6
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Nitrogen Oxide (NO_x) 2025**

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	6.81	16.19	33.36
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	6.20	14.73	30.36
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-552.19	-758.95	-934.57
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-549.16	-751.77	-919.82
Chico, CA	CO	Maintenance	100	-	1.37	3.25	6.67
Chico, CA	Ozone	Former Subpart 1	50	-	3.16	7.48	15.38
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	24.81	58.79	120.93
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	24.09	57.08	117.40
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.16	0.40	0.83
Clark County, NV	PM ₁₀	Serious	70	-	18.92	44.84	92.22
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	3.27	7.74	15.93
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	2.27	5.37	11.05
Cleveland, OH	CO	Maintenance	100	-	11.77	27.89	57.35
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	32.39	76.74	157.83
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	29.86	70.76	145.53
Coachella Valley, CA	PM ₁₀	Serious	70	-	8.06	19.10	39.29
Colbert County, AL	SO _x	Maintenance	100	-	0.75	1.78	3.66
Colorado Springs, CO	CO	Maintenance	100	-	6.42	16.09	34.09
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.07	0.16	0.34
Columbia, SC	Ozone	Former Subpart 1	50	-	8.19	19.41	39.92
Columbus, OH	Ozone	Maintenance	100	-	21.17	50.16	103.17
Columbus, OH	PM _{2.5}	Nonattainment	100	-	19.64	46.52	95.69
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.01	0.06	0.14
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	11.77	27.89	57.36
Cuyahoga County, OH	SO _x	Maintenance	100	-	9.62	22.80	46.90
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	86.42	205.97	425.02
Dayton-Springfield, OH	Ozone	Maintenance	100	-	10.51	24.91	51.23
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	9.29	22.01	45.28
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-33.95	-19.13	30.56
Denver-Boulder, CO	CO	Maintenance	100	-	-35.58	-23.00	22.59
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-26.25	-0.87	68.15
Detroit, MI	CO	Maintenance	100	-	-55.22	-66.39	-63.04
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-36.83	-5.81	80.94
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-37.91	-8.37	75.67
Door County, WI	Ozone	Former Subpart 1	50	-	0.46	1.10	2.26
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.45	1.05	2.17
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.35	0.83	1.72
Duluth, MN	CO	Maintenance	100	-	1.02	2.43	4.99
Eagle River, AK	PM ₁₀	Moderate	100	-	0.11	0.26	0.53
East Chicago, IN	CO	Maintenance	100	-	0.01	0.03	0.06
East Chicago, IN	PM ₁₀	Maintenance	100	-	-425.15	-640.79	-900.05
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.01	0.03	0.06
El Paso County, TX	PM ₁₀	Moderate	100	-	-38.12	-52.42	-64.59
El Paso, TX	CO	Maintenance	100	-	0.38	0.91	1.89
Erie, PA	Ozone	Maintenance	100	-	2.87	6.79	13.96
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.02	0.05	0.10

**Table B1-6
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Nitrogen Oxide (NO_x) 2025**

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Eugene-Springfield, OR	CO	Maintenance	100	-	2.90	6.87	14.12
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	2.77	6.56	13.50
Evansville, IN	Ozone	Maintenance	100	-	3.19	7.55	15.53
Evansville, IN	PM _{2.5}	Nonattainment	100	-	4.10	9.71	19.98
Fairbanks, AK	CO	Maintenance	100	-	0.22	0.52	1.06
Fayetteville, NC	Ozone	Former Subpart 1	50	-	3.71	8.80	18.09
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.09	0.21	0.44
Flint, MI	Ozone	Maintenance	100	-	6.53	15.48	31.84
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.01	0.03	0.07
Fort Collins, CO	CO	Maintenance	100	-	2.22	5.27	10.84
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.01	0.02	0.04
Fort Wayne, IN	Ozone	Maintenance	100	-	4.59	10.88	22.38
Franklin County, PA	Ozone	Maintenance	100	-	1.92	4.54	9.33
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.01	0.02	0.05
Frederick County, VA	Ozone	Former Subpart 1	50	-	1.64	3.89	8.01
Fredericksburg, VA	Ozone	Maintenance	100	-	5.23	12.38	25.47
Freehold, NJ	CO	Maintenance	100	-	0.22	0.52	1.06
Fresno, CA	CO	Maintenance	100	-	7.15	17.18	35.61
Grand Rapids, MI	Ozone	Maintenance	100	-	10.22	24.22	49.81
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.51	1.20	2.48
Grant County, NM	SO _x	Maintenance	100	-	0.03	0.08	0.16
Grants Pass, OR	CO	Maintenance	100	-	0.01	0.01	0.03
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.41	0.98	2.02
Great Falls, MT	CO	Maintenance	100	-	0.25	0.58	1.20
Greater Connecticut, CT	Ozone	Moderate	50	-	20.40	48.57	100.18
Greeley, CO	CO	Maintenance	100	-	1.55	3.68	7.56
Green Bay, WI	SO _x	Maintenance	100	-	1.55	3.67	7.54
Greene County, IN	Ozone	Maintenance	100	-	0.61	1.45	2.98
Greene County, PA	Ozone	Maintenance	100	-	0.57	1.35	2.78
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	20.05	47.83	98.73
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	9.73	23.36	48.42
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	10.89	26.14	54.15
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.28	0.67	1.38
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	1.45	3.43	7.06
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	10.59	25.25	52.10
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	9.76	23.28	48.06
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	13.10	31.28	64.62
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.13	0.30	0.61
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.49	1.17	2.40
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.06	0.15	0.30
Hazelwood, PA	SO _x	Maintenance	100	-	0.48	1.15	2.40
Hickory, NC	PM _{2.5}	Nonattainment	100	-	2.24	5.31	10.91
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	3.69	8.74	17.98
Hollis Township, IL	SO _x	Maintenance	100	-	0.02	0.06	0.13
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-1,043.69	-1,517.79	-2,032.77
Humphreys County, TN	SO _x	Maintenance	100	-	0.03	0.08	0.17
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-231.33	-346.61	-483.15
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-233.08	-350.75	-491.66
Huron County, MI	Ozone	Maintenance	100	-	0.36	0.85	1.74

**Table B1-6
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Nitrogen Oxide (NO_x) 2025**

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Imperial County, CA	Ozone	Moderate	50	-	2.76	6.54	13.45
Imperial Valley, CA	PM ₁₀	Serious	70	-	2.70	6.40	13.16
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.42	1.00	2.05
Indianapolis, IN	CO	Maintenance	100	-	0.01	0.03	0.06
Indianapolis, IN	Ozone	Maintenance	100	-	25.23	59.78	122.95
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	20.00	47.38	97.45
Jackson County, IN	Ozone	Maintenance	100	-	1.00	2.36	4.86
Jamestown, NY	Ozone	Former Subpart 1	50	-	1.95	4.62	9.51
Jefferson County, NY	Ozone	Moderate	50	-	1.55	3.68	7.57
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.10	0.23	0.47
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	2.72	6.45	13.28
Johnstown, PA	Ozone	Maintenance	100	-	1.27	3.01	6.19
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	1.39	3.30	6.79
Juneau, AK	PM ₁₀	Moderate	100	-	0.14	0.32	0.66
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	6.35	15.03	30.92
Kalispell, MT	PM ₁₀	Moderate	100	-	0.37	0.88	1.80
Kansas City, MO-KS	Ozone	Maintenance	100	-	19.75	47.84	99.61
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	1.81	4.28	8.80
Kent, WA	PM ₁₀	Maintenance	100	-	0.32	0.75	1.54
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	1.04	2.47	5.07
Kewaunee County, WI	Ozone	Maintenance	100	-	0.31	0.73	1.51
King County, WA	PM ₁₀	Maintenance	100	-	0.13	0.31	0.63
Klamath Falls, OR	CO	Maintenance	100	-	0.62	1.47	3.03
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.62	1.47	3.03
Knoxville, TN	Ozone	Former Subpart 1	50	-	14.97	35.46	72.94
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	11.58	27.44	56.44
La Porte County, IN	SO _x	Maintenance	100	-	0.44	1.03	2.13
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.19	0.45	0.92
Lake County, IN	SO _x	Maintenance	100	-	3.62	8.75	18.20
Lake County, OH	SO _x	Maintenance	100	-	0.45	1.06	2.19
Lake County, OR	PM ₁₀	Maintenance	100	-	0.08	0.18	0.37
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.37	0.88	1.81
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.79	1.88	3.86
Lake Tahoe, NV	CO	Maintenance	100	-	0.25	0.60	1.24
Lamar, CO	PM ₁₀	Maintenance	100	-	0.11	0.26	0.54
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.02	0.04	0.09
Lancaster, PA	Ozone	Maintenance	100	-	5.51	13.19	27.28
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	5.51	13.19	27.28
Lane County, OR	PM ₁₀	Moderate	100	-	0.02	0.04	0.09
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	6.00	14.21	29.23
LaPorte, IN	Ozone	Maintenance	100	-	1.22	2.89	5.95
Las Vegas, NV	CO	Serious	100	-	18.92	44.84	92.22
Las Vegas, NV	Ozone	Former Subpart 1	50	-	19.20	45.50	93.58
Lauderdale County, AL	SO _x	Maintenance	100	-	1.10	2.62	5.38
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.02	0.05	0.11
Libby, MT	PM ₁₀	Moderate	100	-	0.06	0.13	0.27
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.07	0.17	0.36
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.16	0.40	0.83
Lima, OH	Ozone	Maintenance	100	-	-202.67	-305.35	-428.67

Table B1-6
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Nitrogen Oxide (NO_x) 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Longmont, CO	CO	Maintenance	100	-	1.15	2.72	5.60
Lorain County, OH	SO _x	Maintenance	100	-	0.58	1.37	2.81
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-89.59	29.21	335.43
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	-89.59	29.21	335.43
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-89.59	29.21	335.43
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-89.59	29.21	335.44
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-89.60	29.18	335.39
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	8.71	20.63	42.43
Louisville, KY-IN	Ozone	Maintenance	100	-	14.19	33.62	69.15
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	13.73	32.52	66.90
Lowell, MA	CO	Maintenance	100	-	1.43	3.38	6.96
Lucas County, OH	SO _x	Maintenance	100	-	3.75	8.90	18.30
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.78	1.84	3.80
Macon, GA	Ozone	Maintenance	100	-	2.63	6.24	12.83
Macon, GA	PM _{2.5}	Nonattainment	100	-	2.61	6.17	12.69
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.04	0.09	0.18
Madison, WI	SO _x	Maintenance	100	-	3.09	7.31	15.04
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.12	0.28	0.58
Manchester, NH	CO	Maintenance	100	-	0.97	2.30	4.74
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	1.27	3.02	6.21
Marion County, IN	SO _x	Maintenance	100	-	3.93	9.32	19.16
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	1.42	3.36	6.92
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	4.01	9.51	19.55
Mason County, MI	Ozone	Maintenance	100	-	0.33	0.79	1.62
Medford, OR	CO	Maintenance	100	-	0.98	2.33	4.79
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	2.34	5.55	11.42
Memphis, TN-AR	Ozone	Maintenance	100	-	-43.01	-54.30	-57.40
Memphis, TN	CO	Maintenance	100	-	-44.02	-56.69	-62.31
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.37	0.88	1.81
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.06	0.15	0.31
Milwaukee, WI	SO _x	Maintenance	100	-	6.64	15.74	32.37
Milwaukee-Racine, WI	Ozone	Moderate	50	-	22.40	53.07	109.15
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-156.03	-204.89	-233.52
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	34.14	81.85	169.45
Missoula, MT	CO	Maintenance	100	-	0.24	1.03	2.64
Missoula, MT	PM ₁₀	Moderate	100	-	0.24	1.00	2.55
Modesto, CA	CO	Maintenance	100	-	3.89	9.22	18.97
Mohave County, AZ	PM ₁₀	Maintenance	100	-	1.31	3.10	6.37
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.02	0.04	0.09
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.04	0.10	0.20
Morristown, NJ	CO	Maintenance	100	-	0.41	0.97	2.00
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.36	0.86	1.78
Muncie, IN	Ozone	Maintenance	100	-	1.45	3.45	7.09
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.06	0.13	0.27
Muscatine County, IA	SO _x	Maintenance	100	-	0.19	0.45	0.93
Muskegon, MI	Ozone	Maintenance	100	-	1.60	3.82	7.88
Nashua, NH	CO	Maintenance	100	-	0.78	1.84	3.78
Nashville, TN	Ozone	Former Subpart 1	50	-	20.23	48.25	99.62
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	1.78	4.21	8.65

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
New Haven County, CT	PM ₁₀	Maintenance	100	-	1.75	4.15	8.53
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	9.88	23.42	48.16
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.08	0.18	0.37
New York County, NY	PM ₁₀	Moderate	100	-	5.74	13.59	27.96
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-12.97	64.70	241.89
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	26.97	200.92	569.48
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	25.39	197.17	561.77
Nogales, AZ	PM ₁₀	Moderate	100	-	0.51	1.22	2.50
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-106.85	-144.65	-173.79
Ogden, UT	CO	Maintenance	100	-	0.88	2.09	4.31
Ogden, UT	PM ₁₀	Moderate	100	-	0.88	2.09	4.31
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.03	0.07	0.15
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.26	0.63	1.29
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	1.35	3.20	6.58
Owens Valley, CA	PM ₁₀	Serious	70	-	0.05	0.12	0.24
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	1.82	4.32	8.88
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	1.83	4.34	8.94
Payson, AZ	PM ₁₀	Maintenance	100	-	0.25	0.58	1.20
Penns Grove, NJ	CO	Maintenance	100	-	0.01	0.01	0.03
Peoria, IL	SO _x	Maintenance	100	-	0.98	2.56	5.53
Perth Amboy, NJ	CO	Maintenance	100	-	-46.82	-69.97	-97.20
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	4.90	11.62	23.89
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-355.45	-489.79	-605.56
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-329.88	-428.68	-479.29
Phoenix, AZ	CO	Maintenance	100	-	58.79	139.73	287.91
Phoenix, AZ	PM ₁₀	Serious	70	-	60.59	144.00	296.69
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	60.79	144.49	297.70
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.13	0.32	0.66
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.02	0.04	0.08
Pittsburgh, PA	CO	Maintenance	100	-	0.28	0.67	1.39
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	24.53	58.67	121.32
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	22.36	53.53	110.74
Polk County, TN	SO _x	Maintenance	100	-	0.26	0.63	1.29
Polson, MT	PM ₁₀	Moderate	100	-	0.04	0.09	0.18
Portland, ME	Ozone	Maintenance	100	-	6.09	15.26	32.33
Portland, OR	CO	Maintenance	100	-	13.86	33.45	69.50
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.55	1.31	2.69
Poughkeepsie, NY	Ozone	Moderate	50	-	17.19	40.72	83.75
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.12	0.27	0.57
Providence (entire State), RI	Ozone	Moderate	50	-	11.17	27.50	57.75
Provo, UT	CO	Maintenance	100	-	2.05	4.86	9.99
Raleigh-Durham, NC	CO	Maintenance	100	-	16.20	38.58	79.55
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	22.17	52.72	108.64
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.02	0.05	0.11
Reading, PA	Ozone	Maintenance	100	-	4.19	9.92	20.41
Reading, PA	PM _{2.5}	Nonattainment	100	-	4.19	9.92	20.41
Reno, NV	CO	Maintenance	100	-	3.07	7.28	14.97
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.01	0.03	0.06

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	14.66	35.36	73.46
Rillito, AZ	PM ₁₀	Moderate	100	-	0.61	1.45	2.99
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	8.06	19.10	39.29
Roanoke, VA	Ozone	Former Subpart 1	50	-	3.30	7.81	16.06
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	1.01	2.39	4.92
Rochester, NY	Ozone	Former Subpart 1	50	-	16.83	39.87	82.00
Rocky Mount, NC	Ozone	Maintenance	100	-	2.33	5.53	11.38
Rome, GA	PM _{2.5}	Nonattainment	100	-	1.51	3.58	7.36
Ronan, MT	PM ₁₀	Moderate	100	-	0.01	0.03	0.07
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.03	0.08	0.15
Sacramento County, CA	PM ₁₀	Moderate	100	-	18.83	44.60	91.74
Sacramento Metro, CA	Ozone	Severe	25	-	33.14	79.12	163.44
Sacramento, CA	CO	Maintenance	100	-	20.92	49.64	102.19
Salem, OR	CO	Maintenance	100	-	1.65	3.90	8.03
Salt Lake City, UT	CO	Maintenance	100	-	-20.23	-28.31	-35.84
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-9.95	-3.95	14.26
Salt Lake County, UT	SO _x	Nonattainment	100	-	12.95	30.69	63.12
San Antonio, TX	Ozone	Former Subpart 1	50	-	21.93	53.20	110.83
San Bernardino County, CA	PM ₁₀	Moderate	100	-	5.41	12.83	26.38
San Diego, CA	CO	Maintenance	100	-	52.02	123.48	254.24
San Diego, CA	Ozone	Former Subpart 1	50	-	52.11	123.71	254.72
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-505.46	-695.43	-857.74
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-494.75	-670.04	-805.52
San Joaquin Valley, CA	Ozone	Extreme	10	-	45.00	117.13	252.89
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	45.24	117.70	254.06
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	45.00	117.13	252.89
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.42	1.00	2.06
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.01	0.02	0.04
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	8.41	19.93	41.00
Seattle-Tacoma, WA	CO	Maintenance	100	-	37.59	89.07	183.20
Sheboygan, WI	Ozone	Moderate	50	-	1.49	3.54	7.28
Sheridan, WY	PM ₁₀	Moderate	100	-	0.27	0.65	1.34
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.22	0.52	1.07
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	5.32	12.91	26.91
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	2.18	5.18	10.67
Spokane County, WA	PM ₁₀	Maintenance	100	-	3.73	8.85	18.20
Spokane, WA	CO	Maintenance	100	-	3.70	8.76	18.01
Springfield (western MA), MA	Ozone	Moderate	50	-	10.73	25.85	53.64
Springfield, MA	CO	Maintenance	100	-	1.62	4.01	8.42
St Louis, MO	CO	Maintenance	100	-	11.52	27.29	56.13
St Louis, MO-IL	Ozone	Moderate	50	-	-292.98	-411.25	-523.24
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-293.23	-411.83	-524.43
State College, PA	Ozone	Maintenance	100	-	2.15	5.09	10.47
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.23	0.55	1.13
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.54	1.27	2.61
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-10.80	-15.31	-19.75
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-10.80	-15.31	-19.75

**Table B1-6
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Nitrogen Oxide (NO_x) 2025**

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Stockton, CA	CO	Maintenance	100	-	5.85	13.86	28.50
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	6.45	15.29	31.45
Telluride, CO	PM ₁₀	Maintenance	100	-	0.02	0.04	0.09
Terre Haute, IN	Ozone	Maintenance	100	-	1.65	3.92	8.06
Tioga County, PA	Ozone	Maintenance	100	-	0.71	1.68	3.45
Toledo, OH	Ozone	Maintenance	100	-	-189.96	-281.38	-386.41
Toms River, NJ	CO	Maintenance	100	-	1.25	2.96	6.09
Tooele County, UT	SO _x	Nonattainment	100	-	1.27	3.01	6.18
Trenton, NJ	CO	Maintenance	100	-	1.11	2.63	5.42
Trona, CA	PM ₁₀	Moderate	100	-	0.04	0.09	0.19
Tucson, AZ	CO	Maintenance	100	-	12.50	29.62	60.92
Utah County, UT	PM ₁₀	Moderate	100	-	6.10	14.45	29.72
Vancouver, WA	CO	Maintenance	100	-	3.91	9.27	19.06
Ventura County, CA	Ozone	Serious	50	-	10.03	24.23	50.37
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.09	0.21	0.44
Vigo County, IN	SO _x	Maintenance	100	-	1.65	3.92	8.06
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.71	1.68	3.46
Warren County, NJ	SO _x	Maintenance	100	-	0.45	1.07	2.20
Warren County, PA	SO _x	Nonattainment	100	-	0.06	0.24	0.61
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	2.67	6.33	13.02
Washington, DC-MD-VA	CO	Maintenance	100	-	19.69	46.64	95.93
Washington, DC-MD-VA	Ozone	Moderate	50	-	67.90	160.87	330.88
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	66.48	157.52	323.98
Washoe County, NV	PM ₁₀	Serious	70	-	3.07	7.28	14.97
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.05	0.12	0.25
Wayne County, IN	SO _x	Maintenance	100	-	0.90	2.14	4.39
Wayne County, MI	PM ₁₀	Maintenance	100	-	-48.88	-73.13	-101.76
Weirton, WV	PM ₁₀	Maintenance	100	-	0.12	0.29	0.59
Weirton, WV	SO _x	Maintenance	100	-	0.16	0.38	0.78
Wheeling, WV-OH	Ozone	Maintenance	100	-	1.88	4.45	9.14
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	1.88	4.45	9.14
Winston-Salem, NC	CO	Maintenance	100	-	5.17	12.24	25.17
Worcester, MA	CO	Maintenance	100	-	2.74	6.49	13.34
Yakima County, WA	PM ₁₀	Maintenance	100	-	1.17	2.77	5.70
Yakima, WA	CO	Maintenance	100	-	0.48	1.14	2.34
York, PA	Ozone	Maintenance	100	-	5.60	13.26	27.27
York, PA	PM _{2.5}	Nonattainment	100	-	4.35	10.31	21.20
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	8.02	19.01	39.10
Yuma, AZ	PM ₁₀	Moderate	100	-	2.33	5.53	11.38

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

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

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

Source: EPA, 2008.

Table B1-7
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Nitrogen Oxide (NO_x) 2040

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.08	0.19	0.06
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.18	0.45	0.14
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.19	0.46	0.15
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	54.42	136.18	43.10
Albuquerque, NM	CO	Maintenance	100	-	25.10	62.52	20.27
Allegan County, MI	Ozone	Former Subpart 1	50	-	6.67	16.61	5.38
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	24.89	62.47	19.47
Altoona, PA	Ozone	Maintenance	100	-	4.05	10.09	3.26
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	8.69	21.64	7.02
Anchorage, AK	CO	Maintenance	100	-	6.52	16.23	5.26
Anthony, NM	PM ₁₀	Moderate	100	-	0.31	0.78	0.25
Armstrong County, PA	SO _x	Nonattainment	100	-	0.21	0.52	0.17
Aspen, CO	PM ₁₀	Maintenance	100	-	0.32	0.79	0.26
Atlanta, GA	Ozone	Moderate	50	-	300.69	749.74	241.68
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	300.82	750.06	241.78
Atlantic City, NJ	CO	Maintenance	100	-	2.13	5.30	1.72
Bakersfield, CA	CO	Maintenance	100	-	-2.20	13.12	-26.41
Baltimore, MD	CO	Maintenance	100	-	0.35	0.92	0.21
Baltimore, MD	Ozone	Moderate	50	-	130.08	325.64	102.84
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	130.08	325.63	102.84
Baton Rouge, LA	Ozone	Moderate	50	-	-629.75	-1,019.31	-1,235.81
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-1,830.45	-3,023.47	-3,511.68
Benton County, TN	SO _x	Maintenance	100	-	0.05	0.12	0.04
Benton Harbor, MI	Ozone	Maintenance	100	-	6.97	17.40	5.56
Benzie County, MI	Ozone	Maintenance	100	-	1.11	2.75	0.89
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	6.51	16.21	5.26
Billings, MT	CO	Maintenance	100	-	-216.63	-356.84	-416.88
Birmingham, AL	Ozone	Maintenance	100	-	21.04	69.81	-6.08
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	21.18	70.17	-5.97
Boise-Northern Ada County, ID	CO	Maintenance	100	-	13.70	34.85	10.09
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	13.70	34.85	10.09
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.80	1.99	0.64
Boston, MA	CO	Maintenance	100	-	35.95	89.56	29.02
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	219.84	547.57	177.45
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	28.76	71.63	23.22
Boyd County (part), KY	SO _x	Maintenance	100	-	0.39	0.97	0.31
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	48.16	119.95	38.89
Burlington, NJ	CO	Maintenance	100	-	0.29	0.72	0.23
Butte, MT	PM ₁₀	Moderate	100	-	0.79	1.97	0.64
Canon City, CO	PM ₁₀	Maintenance	100	-	0.92	2.28	0.74
Canton-Massillon, OH	Ozone	Maintenance	100	-	-62.69	-94.05	-132.85
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-62.69	-94.05	-132.85
Case County, MI	Ozone	Maintenance	100	-	1.81	4.51	1.46
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.03	0.08	0.03
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.24	0.59	0.19
Charleston, WV	Ozone	Maintenance	100	-	10.89	27.13	8.80
Charleston, WV	PM _{2.5}	Nonattainment	100	-	10.89	27.13	8.80
Charlotte, NC	CO	Maintenance	100	-	33.42	83.24	26.99
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	73.79	183.77	59.58

**Table B1-7
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Nitrogen Oxide (NO_x) 2040**

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	22.68	56.58	18.18
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	20.83	51.98	16.69
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-907.19	-1,247.53	-2,072.78
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-896.69	-1,221.38	-2,064.30
Chico, CA	CO	Maintenance	100	-	5.58	13.90	4.51
Chico, CA	Ozone	Former Subpart 1	50	-	12.27	30.55	9.91
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	84.76	211.10	68.44
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	82.14	204.58	66.33
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.50	1.27	0.39
Clark County, NV	PM ₁₀	Serious	70	-	71.56	178.23	57.79
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	11.61	28.91	9.37
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	7.51	18.71	6.07
Cleveland, OH	CO	Maintenance	100	-	36.33	90.47	29.33
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	106.80	266.00	86.24
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	98.06	244.21	79.18
Coachella Valley, CA	PM ₁₀	Serious	70	-	31.80	79.19	25.68
Colbert County, AL	SO _x	Maintenance	100	-	2.30	5.74	1.86
Colorado Springs, CO	CO	Maintenance	100	-	25.30	64.64	18.28
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.26	0.64	0.21
Columbia, SC	Ozone	Former Subpart 1	50	-	27.95	69.61	22.57
Columbus, OH	Ozone	Maintenance	100	-	76.25	189.90	61.57
Columbus, OH	PM _{2.5}	Nonattainment	100	-	70.89	176.55	57.24
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.07	0.22	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.01	0.04	0.01
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	36.33	90.47	29.33
Cuyahoga County, OH	SO _x	Maintenance	100	-	30.20	75.22	24.39
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	319.63	798.30	255.15
Dayton-Springfield, OH	Ozone	Maintenance	100	-	34.03	84.74	27.48
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	29.97	74.65	24.20
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.35	113.78	-149.27
Denver-Boulder, CO	CO	Maintenance	100	-	-5.62	98.92	-154.09
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	28.40	183.71	-126.68
Detroit, MI	CO	Maintenance	100	-	-77.92	-77.97	-216.68
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	16.75	191.75	-185.21
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	13.06	182.57	-188.18
Door County, WI	Ozone	Former Subpart 1	50	-	1.65	4.10	1.33
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	1.47	3.66	1.19
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	1.19	2.95	0.96
Duluth, MN	CO	Maintenance	100	-	3.27	8.13	2.64
Eagle River, AK	PM ₁₀	Moderate	100	-	0.40	1.01	0.33
East Chicago, IN	CO	Maintenance	100	-	0.04	0.10	0.03
East Chicago, IN	PM ₁₀	Maintenance	100	-	-803.61	-1,326.35	-1,543.05
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.04	0.11	0.03
El Paso County, TX	PM ₁₀	Moderate	100	-	-62.56	-86.00	-142.99
El Paso, TX	CO	Maintenance	100	-	1.30	3.26	1.02
Erie, PA	Ozone	Maintenance	100	-	9.32	23.21	7.52
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.07	0.18	0.06

**Table B1-7
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Nitrogen Oxide (NO_x) 2040**

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Eugene-Springfield, OR	CO	Maintenance	100	-	10.13	25.22	8.18
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	9.70	24.17	7.84
Evansville, IN	Ozone	Maintenance	100	-	10.67	26.56	8.61
Evansville, IN	PM _{2.5}	Nonattainment	100	-	13.60	33.88	10.98
Fairbanks, AK	CO	Maintenance	100	-	0.80	2.00	0.65
Fayetteville, NC	Ozone	Former Subpart 1	50	-	12.61	31.40	10.18
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.34	0.83	0.27
Flint, MI	Ozone	Maintenance	100	-	21.55	53.67	17.40
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.04	0.10	0.03
Fort Collins, CO	CO	Maintenance	100	-	8.24	20.53	6.66
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.03	0.07	0.02
Fort Wayne, IN	Ozone	Maintenance	100	-	15.62	38.91	12.62
Franklin County, PA	Ozone	Maintenance	100	-	6.66	16.60	5.38
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.03	0.08	0.02
Frederick County, VA	Ozone	Former Subpart 1	50	-	5.62	13.99	4.53
Fredericksburg, VA	Ozone	Maintenance	100	-	19.59	48.79	15.82
Freehold, NJ	CO	Maintenance	100	-	0.84	2.10	0.68
Fresno, CA	CO	Maintenance	100	-	26.52	66.46	20.86
Grand Rapids, MI	Ozone	Maintenance	100	-	36.19	90.12	29.22
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	1.59	3.96	1.27
Grant County, NM	SO _x	Maintenance	100	-	0.10	0.26	0.08
Grants Pass, OR	CO	Maintenance	100	-	0.02	0.05	0.02
Grants Pass, OR	PM ₁₀	Maintenance	100	-	1.54	3.83	1.24
Great Falls, MT	CO	Maintenance	100	-	0.74	1.84	0.60
Greater Connecticut, CT	Ozone	Moderate	50	-	67.78	169.27	54.14
Greeley, CO	CO	Maintenance	100	-	5.54	13.80	4.47
Green Bay, WI	SO _x	Maintenance	100	-	5.34	13.31	4.31
Greene County, IN	Ozone	Maintenance	100	-	2.07	5.16	1.67
Greene County, PA	Ozone	Maintenance	100	-	1.87	4.65	1.51
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	67.71	169.21	53.89
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	32.80	82.27	25.70
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	36.19	90.76	28.39
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.95	2.36	0.76
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	4.95	12.33	4.00
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	37.56	93.83	29.95
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	34.61	86.48	27.57
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	43.11	107.82	34.22
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.47	1.17	0.38
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	1.85	4.60	1.49
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.21	0.53	0.17
Hazelwood, PA	SO _x	Maintenance	100	-	1.63	4.10	1.25
Hickory, NC	PM _{2.5}	Nonattainment	100	-	7.20	17.94	5.82
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	12.10	30.13	9.77
Hollis Township, IL	SO _x	Maintenance	100	-	0.08	0.22	0.05
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-1,866.75	-2,890.17	-3,837.31
Humphreys County, TN	SO _x	Maintenance	100	-	0.12	0.29	0.09
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-434.17	-710.21	-842.15
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-440.01	-724.75	-846.86
Huron County, MI	Ozone	Maintenance	100	-	1.16	2.88	0.94

**Table B1-7
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Nitrogen Oxide (NO_x) 2040**

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Imperial County, CA	Ozone	Moderate	50	-	10.36	25.81	8.37
Imperial Valley, CA	PM ₁₀	Serious	70	-	10.15	25.27	8.19
Indian Wells, CA	PM ₁₀	Maintenance	100	-	1.37	3.42	1.11
Indianapolis, IN	CO	Maintenance	100	-	0.04	0.09	0.03
Indianapolis, IN	Ozone	Maintenance	100	-	88.44	220.26	71.41
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	70.26	174.98	56.73
Jackson County, IN	Ozone	Maintenance	100	-	3.30	8.23	2.67
Jamestown, NY	Ozone	Former Subpart 1	50	-	6.46	16.10	5.22
Jefferson County, NY	Ozone	Moderate	50	-	5.21	12.97	4.20
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.29	0.72	0.23
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	8.90	22.16	7.18
Johnstown, PA	Ozone	Maintenance	100	-	3.69	9.18	2.98
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	4.06	10.11	3.28
Juneau, AK	PM ₁₀	Moderate	100	-	0.53	1.32	0.43
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	21.06	52.44	17.00
Kalispell, MT	PM ₁₀	Moderate	100	-	1.36	3.39	1.10
Kansas City, MO-KS	Ozone	Maintenance	100	-	71.45	179.89	55.12
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	6.39	15.91	5.16
Kent, WA	PM ₁₀	Maintenance	100	-	1.17	2.91	0.95
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	3.49	8.70	2.82
Kewaunee County, WI	Ozone	Maintenance	100	-	1.02	2.53	0.82
King County, WA	PM ₁₀	Maintenance	100	-	0.46	1.15	0.37
Klamath Falls, OR	CO	Maintenance	100	-	2.03	5.07	1.64
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	2.03	5.07	1.64
Knoxville, TN	Ozone	Former Subpart 1	50	-	54.30	135.23	43.84
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	41.41	103.13	33.44
La Porte County, IN	SO _x	Maintenance	100	-	1.38	3.44	1.11
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.63	1.58	0.51
Lake County, IN	SO _x	Maintenance	100	-	11.87	29.89	9.17
Lake County, OH	SO _x	Maintenance	100	-	1.48	3.68	1.19
Lake County, OR	PM ₁₀	Maintenance	100	-	0.24	0.61	0.20
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	1.55	3.87	1.25
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	3.40	8.48	2.75
Lake Tahoe, NV	CO	Maintenance	100	-	0.86	2.14	0.69
Lamar, CO	PM ₁₀	Maintenance	100	-	0.36	0.90	0.29
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.05	0.14	0.04
Lancaster, PA	Ozone	Maintenance	100	-	19.24	48.16	15.19
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	19.24	48.16	15.19
Lane County, OR	PM ₁₀	Moderate	100	-	0.05	0.14	0.04
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	20.29	50.52	16.38
LaPorte, IN	Ozone	Maintenance	100	-	3.84	9.57	3.10
Las Vegas, NV	CO	Serious	100	-	71.56	178.23	57.79
Las Vegas, NV	Ozone	Former Subpart 1	50	-	72.45	180.43	58.50
Lauderdale County, AL	SO _x	Maintenance	100	-	3.55	8.84	2.87
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.07	0.18	0.06
Libby, MT	PM ₁₀	Moderate	100	-	0.17	0.43	0.14
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.23	0.57	0.18
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.50	1.27	0.39
Lima, OH	Ozone	Maintenance	100	-	-382.88	-631.56	-735.71

**Table B1-7
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Nitrogen Oxide (NO_x) 2040**

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Longmont, CO	CO	Maintenance	100	-	4.30	10.71	3.47
Lorain County, OH	SO _x	Maintenance	100	-	1.96	4.87	1.58
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	152.19	823.83	-466.24
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	152.19	823.83	-466.24
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	152.19	823.83	-466.24
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	152.19	823.84	-466.23
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	152.15	823.75	-466.26
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	31.43	78.28	25.38
Louisville, KY-IN	Ozone	Maintenance	100	-	46.98	117.01	37.94
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	45.05	112.19	36.37
Lowell, MA	CO	Maintenance	100	-	5.05	12.57	4.08
Lucas County, OH	SO _x	Maintenance	100	-	11.93	29.71	9.63
Lyons Township, IL	PM ₁₀	Maintenance	100	-	2.48	6.19	2.00
Macon, GA	Ozone	Maintenance	100	-	8.27	20.59	6.68
Macon, GA	PM _{2.5}	Nonattainment	100	-	8.17	20.35	6.60
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.11	0.28	0.09
Madison, WI	SO _x	Maintenance	100	-	11.44	28.50	9.24
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.52	1.29	0.42
Manchester, NH	CO	Maintenance	100	-	3.05	7.60	2.46
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	4.15	10.34	3.35
Marion County, IN	SO _x	Maintenance	100	-	12.63	31.46	10.20
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	5.59	13.93	4.52
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	13.63	33.95	11.01
Mason County, MI	Ozone	Maintenance	100	-	1.14	2.84	0.92
Medford, OR	CO	Maintenance	100	-	3.70	9.23	2.99
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	8.88	22.13	7.17
Memphis, TN-AR	Ozone	Maintenance	100	-	-65.12	-74.50	-168.73
Memphis, TN	CO	Maintenance	100	-	-68.20	-82.16	-171.21
Miami (Gila County), AZ	SO _x	Maintenance	100	-	1.38	3.42	1.11
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.19	0.49	0.15
Milwaukee, WI	SO _x	Maintenance	100	-	21.50	53.54	17.36
Milwaukee-Racine, WI	Ozone	Moderate	50	-	76.76	191.18	61.99
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-238.12	-289.54	-594.30
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	121.19	303.61	95.49
Missoula, MT	CO	Maintenance	100	-	1.70	5.05	0.27
Missoula, MT	PM ₁₀	Moderate	100	-	1.64	4.89	0.27
Modesto, CA	CO	Maintenance	100	-	14.99	37.34	12.11
Mohave County, AZ	PM ₁₀	Maintenance	100	-	5.08	12.66	4.11
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.07	0.18	0.06
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.14	0.34	0.11
Morristown, NJ	CO	Maintenance	100	-	1.55	3.87	1.25
Muhlenberg County, KY	SO _x	Maintenance	100	-	1.16	2.89	0.94
Muncie, IN	Ozone	Maintenance	100	-	4.43	11.02	3.57
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.21	0.51	0.17
Muscatine County, IA	SO _x	Maintenance	100	-	0.66	1.63	0.53
Muskegon, MI	Ozone	Maintenance	100	-	5.51	13.77	4.40
Nashua, NH	CO	Maintenance	100	-	2.46	6.12	1.98
Nashville, TN	Ozone	Former Subpart 1	50	-	72.28	180.62	57.57
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	7.42	18.48	5.99

**Table B1-7
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Nitrogen Oxide (NO_x) 2040**

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
New Haven County, CT	PM ₁₀	Maintenance	100	-	6.42	15.98	5.18
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	32.38	80.65	26.15
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.24	0.59	0.19
New York County, NY	PM ₁₀	Moderate	100	-	18.08	45.04	14.60
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	115.69	463.92	-139.39
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	328.07	1,069.45	-69.34
New York-northern New Jersey-Long Island, NY- NJ-CT	Ozone	Moderate	50	-	322.47	1,055.49	-73.87
Nogales, AZ	PM ₁₀	Moderate	100	-	1.80	4.49	1.46
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-174.03	-233.57	-405.24
Ogden, UT	CO	Maintenance	100	-	2.91	7.24	2.35
Ogden, UT	PM ₁₀	Moderate	100	-	2.91	7.24	2.35
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.09	0.22	0.07
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.83	2.06	0.67
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	4.97	12.37	4.01
Owens Valley, CA	PM ₁₀	Serious	70	-	0.19	0.48	0.16
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.01	0.02	0.01
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	5.93	14.76	4.79
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	5.96	14.86	4.81
Payson, AZ	PM ₁₀	Maintenance	100	-	0.88	2.20	0.71
Penns Grove, NJ	CO	Maintenance	100	-	0.02	0.05	0.02
Peoria, IL	SO _x	Maintenance	100	-	3.51	9.17	2.25
Perth Amboy, NJ	CO	Maintenance	100	-	-87.00	-141.21	-170.22
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	15.26	38.01	12.32
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-594.91	-832.59	-1,340.09
Philadelphia-Wilmington-Atlantic City, PA-NY- MD-DE	Ozone	Moderate	50	-	-507.23	-613.25	-1,270.56
Phoenix, AZ	CO	Maintenance	100	-	241.35	601.93	193.80
Phoenix, AZ	PM ₁₀	Serious	70	-	247.99	618.48	199.15
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	248.70	620.25	199.72
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.43	1.07	0.35
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.05	0.11	0.04
Pittsburgh, PA	CO	Maintenance	100	-	1.08	2.73	0.83
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	80.94	202.63	63.98
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	73.82	184.88	58.25
Polk County, TN	SO _x	Maintenance	100	-	0.87	2.17	0.71
Polson, MT	PM ₁₀	Moderate	100	-	0.14	0.35	0.11
Portland, ME	Ozone	Maintenance	100	-	22.16	56.72	15.88
Portland, OR	CO	Maintenance	100	-	47.55	119.56	36.88
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	1.81	4.50	1.46
Poughkeepsie, NY	Ozone	Moderate	50	-	63.55	158.28	51.32
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.36	0.90	0.29
Providence (entire State), RI	Ozone	Moderate	50	-	40.64	103.12	30.28
Provo, UT	CO	Maintenance	100	-	7.60	18.92	6.13
Raleigh-Durham, NC	CO	Maintenance	100	-	59.22	147.84	47.37
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	80.64	201.18	64.66
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.07	0.17	0.04
Reading, PA	Ozone	Maintenance	100	-	14.03	34.94	11.33
Reading, PA	PM _{2.5}	Nonattainment	100	-	14.03	34.94	11.33
Reno, NV	CO	Maintenance	100	-	10.45	26.03	8.44
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.05	0.12	0.04

Table B1-7
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Nitrogen Oxide (NO_x) 2040

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	50.57	127.11	39.27
Rillito, AZ	PM ₁₀	Moderate	100	-	2.35	5.86	1.90
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	31.80	79.19	25.68
Roanoke, VA	Ozone	Former Subpart 1	50	-	10.78	26.85	8.71
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	3.53	8.80	2.85
Rochester, NY	Ozone	Former Subpart 1	50	-	56.48	140.67	45.61
Rocky Mount, NC	Ozone	Maintenance	100	-	7.60	18.93	6.14
Rome, GA	PM _{2.5}	Nonattainment	100	-	5.02	12.50	4.05
Ronan, MT	PM ₁₀	Moderate	100	-	0.05	0.13	0.04
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.10	0.26	0.08
Sacramento County, CA	PM ₁₀	Moderate	100	-	72.64	180.91	58.66
Sacramento Metro, CA	Ozone	Severe	25	-	131.88	329.60	105.00
Sacramento, CA	CO	Maintenance	100	-	81.49	203.09	65.62
Salem, OR	CO	Maintenance	100	-	5.46	13.59	4.41
Salt Lake City, UT	CO	Maintenance	100	-	-34.10	-48.79	-75.41
Salt Lake County, UT	PM ₁₀	Moderate	100	-	1.64	40.23	-46.55
Salt Lake County, UT	SO _x	Nonattainment	100	-	45.12	112.36	36.43
San Antonio, TX	Ozone	Former Subpart 1	50	-	79.84	201.13	61.43
San Bernardino County, CA	PM ₁₀	Moderate	100	-	19.51	48.60	15.76
San Diego, CA	CO	Maintenance	100	-	196.92	490.89	158.43
San Diego, CA	Ozone	Former Subpart 1	50	-	197.30	491.82	158.73
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-820.37	-1,118.22	-1,887.54
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-783.16	-1,025.54	-1,857.49
San Joaquin Valley, CA	Ozone	Extreme	10	-	195.55	506.37	132.28
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	196.21	508.03	132.82
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	195.55	506.37	132.28
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	1.58	3.93	1.27
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.03	0.07	0.02
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	28.24	70.34	22.80
Seattle-Tacoma, WA	CO	Maintenance	100	-	133.69	332.97	107.96
Sheboygan, WI	Ozone	Moderate	50	-	5.20	12.94	4.20
Sheridan, WY	PM ₁₀	Moderate	100	-	0.91	2.26	0.73
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.77	1.91	0.62
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	18.40	46.39	14.10
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	6.29	15.68	5.06
Spokane County, WA	PM ₁₀	Maintenance	100	-	13.22	32.93	10.68
Spokane, WA	CO	Maintenance	100	-	13.08	32.57	10.56
Springfield (western MA), MA	Ozone	Moderate	50	-	36.75	92.30	28.65
Springfield, MA	CO	Maintenance	100	-	5.91	15.03	4.36
St Louis, MO	CO	Maintenance	100	-	34.68	86.38	28.01
St Louis, MO-IL	Ozone	Moderate	50	-	-505.89	-738.84	-1,098.73
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-506.69	-740.83	-1,099.37
State College, PA	Ozone	Maintenance	100	-	7.66	19.07	6.18
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.92	2.30	0.75
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	1.66	4.14	1.34
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-19.07	-28.54	-40.50
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-19.07	-28.54	-40.50

**Table B1-7
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Nitrogen Oxide (NO_x) 2040**

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Stockton, CA	CO	Maintenance	100	-	22.64	56.40	18.29
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	21.03	52.37	16.98
Telluride, CO	PM ₁₀	Maintenance	100	-	0.08	0.20	0.07
Terre Haute, IN	Ozone	Maintenance	100	-	5.08	12.66	4.11
Tioga County, PA	Ozone	Maintenance	100	-	2.24	5.59	1.81
Toledo, OH	Ozone	Maintenance	100	-	-351.32	-564.29	-695.20
Toms River, NJ	CO	Maintenance	100	-	4.65	11.58	3.75
Tooele County, UT	SO _x	Nonattainment	100	-	4.43	11.03	3.58
Trenton, NJ	CO	Maintenance	100	-	3.81	9.48	3.07
Trona, CA	PM ₁₀	Moderate	100	-	0.15	0.38	0.12
Tucson, AZ	CO	Maintenance	100	-	45.18	112.52	36.48
Utah County, UT	PM ₁₀	Moderate	100	-	22.05	54.91	17.80
Vancouver, WA	CO	Maintenance	100	-	14.68	36.56	11.85
Ventura County, CA	Ozone	Serious	50	-	39.17	98.44	30.47
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.28	0.71	0.23
Vigo County, IN	SO _x	Maintenance	100	-	5.08	12.66	4.11
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	2.37	5.90	1.91
Warren County, NJ	SO _x	Maintenance	100	-	1.55	3.86	1.25
Warren County, PA	SO _x	Nonattainment	100	-	0.33	1.01	0.01
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	8.90	22.16	7.18
Washington, DC-MD-VA	CO	Maintenance	100	-	67.91	169.14	54.84
Washington, DC-MD-VA	Ozone	Moderate	50	-	243.06	605.36	196.27
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	237.68	591.96	191.92
Washoe County, NV	PM ₁₀	Serious	70	-	10.45	26.03	8.44
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.17	0.42	0.14
Wayne County, IN	SO _x	Maintenance	100	-	2.74	6.82	2.21
Wayne County, MI	PM ₁₀	Maintenance	100	-	-91.89	-149.49	-179.34
Weirton, WV	PM ₁₀	Maintenance	100	-	0.34	0.86	0.28
Weirton, WV	SO _x	Maintenance	100	-	0.46	1.15	0.37
Wheeling, WV-OH	Ozone	Maintenance	100	-	5.73	14.26	4.62
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	5.73	14.26	4.62
Winston-Salem, NC	CO	Maintenance	100	-	17.68	44.03	14.28
Worcester, MA	CO	Maintenance	100	-	9.91	24.68	8.00
Yakima County, WA	PM ₁₀	Maintenance	100	-	4.05	10.08	3.27
Yakima, WA	CO	Maintenance	100	-	1.82	4.54	1.47
York, PA	Ozone	Maintenance	100	-	19.60	48.82	15.83
York, PA	PM _{2.5}	Nonattainment	100	-	15.20	37.85	12.27
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	25.09	62.48	20.26
Yuma, AZ	PM ₁₀	Moderate	100	-	8.63	21.50	6.97

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

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

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

Source: EPA, 2008.

Table B1-8
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Nitrogen Oxide (NO_x) 2060

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.06	0.19	0.02
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.15	0.49	0.05
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.15	0.51	0.05
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	44.31	149.38	12.74
Albuquerque, NM	CO	Maintenance	100	-	20.13	67.56	6.23
Allegan County, MI	Ozone	Former Subpart 1	50	-	5.67	19.05	1.76
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	20.23	68.37	5.55
Altoona, PA	Ozone	Maintenance	100	-	3.05	10.22	0.94
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	8.10	27.18	2.51
Anchorage, AK	CO	Maintenance	100	-	5.45	18.30	1.69
Anthony, NM	PM ₁₀	Moderate	100	-	0.25	0.83	0.08
Armstrong County, PA	SO _x	Nonattainment	100	-	0.17	0.57	0.05
Aspen, CO	PM ₁₀	Maintenance	100	-	0.27	0.89	0.08
Atlanta, GA	Ozone	Moderate	50	-	252.84	849.49	77.01
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	252.92	849.76	77.03
Atlantic City, NJ	CO	Maintenance	100	-	1.66	5.56	0.51
Bakersfield, CA	CO	Maintenance	100	-	3.18	30.30	-28.76
Baltimore, MD	CO	Maintenance	100	-	0.28	1.00	-0.01
Baltimore, MD	Ozone	Moderate	50	-	108.01	364.25	30.85
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	108.01	364.24	30.84
Baton Rouge, LA	Ozone	Moderate	50	-	-385.17	-713.59	-997.50
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-1,133.85	-2,186.12	-2,806.75
Benton County, TN	SO _x	Maintenance	100	-	0.03	0.11	0.01
Benton Harbor, MI	Ozone	Maintenance	100	-	5.14	17.31	1.51
Benzie County, MI	Ozone	Maintenance	100	-	0.98	3.28	0.30
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	5.40	18.13	1.67
Billings, MT	CO	Maintenance	100	-	-133.92	-256.79	-333.64
Birmingham, AL	Ozone	Maintenance	100	-	19.82	84.91	-21.72
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	19.94	85.31	-21.69
Boise-Northern Ada County, ID	CO	Maintenance	100	-	11.71	39.99	2.57
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	11.71	39.99	2.57
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.71	2.39	0.22
Boston, MA	CO	Maintenance	100	-	28.70	96.33	8.87
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	177.99	597.47	55.03
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	23.77	79.77	7.36
Boyd County (part), KY	SO _x	Maintenance	100	-	0.30	1.01	0.09
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	37.95	127.38	11.75
Burlington, NJ	CO	Maintenance	100	-	0.16	0.53	0.05
Butte, MT	PM ₁₀	Moderate	100	-	0.57	1.91	0.18
Canon City, CO	PM ₁₀	Maintenance	100	-	0.82	2.74	0.25
Canton-Massillon, OH	Ozone	Maintenance	100	-	-37.13	-59.14	-110.79
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-37.13	-59.14	-110.79
Case County, MI	Ozone	Maintenance	100	-	1.42	4.77	0.44
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.03	0.10	0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.17	0.56	0.05
Charleston, WV	Ozone	Maintenance	100	-	8.12	27.24	2.51
Charleston, WV	PM _{2.5}	Nonattainment	100	-	8.12	27.24	2.51
Charlotte, NC	CO	Maintenance	100	-	28.24	94.79	8.74
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	61.71	207.13	19.10

Table B1-8
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Nitrogen Oxide (NO_x) 2060

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	17.89	60.15	5.39
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	16.57	55.72	4.98
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-500.69	-613.19	-1,773.37
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-492.09	-584.33	-1,770.70
Chico, CA	CO	Maintenance	100	-	5.23	17.56	1.62
Chico, CA	Ozone	Former Subpart 1	50	-	10.96	36.78	3.39
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	68.53	230.01	21.21
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	66.31	222.58	20.53
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.34	1.15	0.08
Clark County, NV	PM ₁₀	Serious	70	-	62.71	210.49	19.41
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	9.70	32.54	3.00
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	5.91	19.84	1.83
Cleveland, OH	CO	Maintenance	100	-	26.67	89.51	8.26
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	83.69	280.91	25.91
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	76.53	256.87	23.69
Coachella Valley, CA	PM ₁₀	Serious	70	-	28.70	96.32	8.88
Colbert County, AL	SO _x	Maintenance	100	-	1.68	5.64	0.52
Colorado Springs, CO	CO	Maintenance	100	-	22.19	76.09	4.41
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.22	0.75	0.07
Columbia, SC	Ozone	Former Subpart 1	50	-	22.72	76.25	7.03
Columbus, OH	Ozone	Maintenance	100	-	64.39	216.14	19.94
Columbus, OH	PM _{2.5}	Nonattainment	100	-	59.97	201.30	18.57
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.05	0.20	-0.05
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.01	0.03	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	26.67	89.51	8.26
Cuyahoga County, OH	SO _x	Maintenance	100	-	22.99	77.18	7.12
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	274.62	923.93	81.73
Dayton-Springfield, OH	Ozone	Maintenance	100	-	26.20	87.94	8.11
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	23.01	77.22	7.12
Denver Metro, CO	PM ₁₀	Maintenance	100	-	31.53	224.47	-170.10
Denver-Boulder, CO	CO	Maintenance	100	-	26.42	207.29	-171.68
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	55.43	304.70	-162.77
Detroit, MI	CO	Maintenance	100	-	-52.57	-43.43	-217.93
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	46.23	313.47	-225.71
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	43.25	303.49	-226.64
Door County, WI	Ozone	Former Subpart 1	50	-	1.37	4.61	0.43
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	1.14	3.81	0.35
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.94	3.14	0.29
Duluth, MN	CO	Maintenance	100	-	2.49	8.35	0.77
Eagle River, AK	PM ₁₀	Moderate	100	-	0.35	1.18	0.11
East Chicago, IN	CO	Maintenance	100	-	0.03	0.10	0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	-497.61	-958.09	-1,233.78
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.03	0.12	0.01
El Paso County, TX	PM ₁₀	Moderate	100	-	-34.50	-42.20	-122.29
El Paso, TX	CO	Maintenance	100	-	1.03	3.48	0.29
Erie, PA	Ozone	Maintenance	100	-	7.21	24.20	2.23
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.06	0.22	0.02

Table B1-8
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Nitrogen Oxide (NO_x) 2060

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Eugene-Springfield, OR	CO	Maintenance	100	-	8.38	28.12	2.59
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	8.05	27.02	2.49
Evansville, IN	Ozone	Maintenance	100	-	8.47	28.42	2.62
Evansville, IN	PM _{2.5}	Nonattainment	100	-	10.69	35.88	3.31
Fairbanks, AK	CO	Maintenance	100	-	0.68	2.29	0.21
Fayetteville, NC	Ozone	Former Subpart 1	50	-	10.14	34.04	3.14
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.29	0.97	0.09
Flint, MI	Ozone	Maintenance	100	-	16.89	56.69	5.23
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.02	0.07	0.01
Fort Collins, CO	CO	Maintenance	100	-	7.11	23.86	2.20
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.02	0.06	0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	12.59	42.26	3.90
Franklin County, PA	Ozone	Maintenance	100	-	5.47	18.37	1.69
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.02	0.08	0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	4.54	15.24	1.41
Fredericksburg, VA	Ozone	Maintenance	100	-	17.05	57.23	5.28
Freehold, NJ	CO	Maintenance	100	-	0.79	2.65	0.24
Fresno, CA	CO	Maintenance	100	-	22.55	76.07	6.39
Grand Rapids, MI	Ozone	Maintenance	100	-	30.15	101.19	9.33
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	1.16	3.90	0.34
Grant County, NM	SO _x	Maintenance	100	-	0.07	0.25	0.02
Grants Pass, OR	CO	Maintenance	100	-	0.02	0.06	0.01
Grants Pass, OR	PM ₁₀	Maintenance	100	-	1.34	4.50	0.42
Great Falls, MT	CO	Maintenance	100	-	0.52	1.74	0.16
Greater Connecticut, CT	Ozone	Moderate	50	-	53.30	179.36	15.81
Greeley, CO	CO	Maintenance	100	-	4.65	15.60	1.44
Green Bay, WI	SO _x	Maintenance	100	-	4.32	14.50	1.34
Greene County, IN	Ozone	Maintenance	100	-	1.66	5.58	0.51
Greene County, PA	Ozone	Maintenance	100	-	1.45	4.87	0.45
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	53.97	181.72	15.84
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	25.99	87.81	7.18
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	28.32	95.66	7.83
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.75	2.52	0.23
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	3.98	13.37	1.23
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	31.22	105.07	9.23
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	28.75	96.77	8.46
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	33.46	112.76	9.67
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.40	1.36	0.13
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	1.61	5.42	0.50
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.17	0.58	0.05
Hazelwood, PA	SO _x	Maintenance	100	-	1.34	4.54	0.32
Hickory, NC	PM _{2.5}	Nonattainment	100	-	5.51	18.50	1.71
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	9.44	31.69	2.92
Hollis Township, IL	SO _x	Maintenance	100	-	0.06	0.22	0.00
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-1,107.01	-1,860.30	-3,155.85
Humphreys County, TN	SO _x	Maintenance	100	-	0.09	0.32	0.03
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-267.80	-507.37	-676.50
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-272.43	-522.91	-677.93
Huron County, MI	Ozone	Maintenance	100	-	0.89	3.00	0.28

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Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Imperial County, CA	Ozone	Moderate	50	-	9.03	30.31	2.80
Imperial Valley, CA	PM ₁₀	Serious	70	-	8.85	29.70	2.74
Indian Wells, CA	PM ₁₀	Maintenance	100	-	1.05	3.54	0.33
Indianapolis, IN	CO	Maintenance	100	-	0.02	0.08	0.01
Indianapolis, IN	Ozone	Maintenance	100	-	73.08	245.31	22.63
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	58.17	195.24	18.01
Jackson County, IN	Ozone	Maintenance	100	-	2.60	8.73	0.80
Jamestown, NY	Ozone	Former Subpart 1	50	-	5.09	17.07	1.57
Jefferson County, NY	Ozone	Moderate	50	-	4.14	13.89	1.28
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.20	0.66	0.06
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	6.91	23.19	2.14
Johnstown, PA	Ozone	Maintenance	100	-	2.53	8.48	0.78
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	2.78	9.34	0.86
Juneau, AK	PM ₁₀	Moderate	100	-	0.48	1.61	0.15
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	16.59	55.70	5.14
Kalispell, MT	PM ₁₀	Moderate	100	-	1.17	3.93	0.36
Kansas City, MO-KS	Ozone	Maintenance	100	-	59.74	202.50	15.50
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	5.32	17.84	1.65
Kent, WA	PM ₁₀	Maintenance	100	-	1.02	3.43	0.32
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	2.76	9.26	0.85
Kewaunee County, WI	Ozone	Maintenance	100	-	0.79	2.65	0.24
King County, WA	PM ₁₀	Maintenance	100	-	0.39	1.31	0.12
Klamath Falls, OR	CO	Maintenance	100	-	1.58	5.32	0.49
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	1.58	5.32	0.49
Knoxville, TN	Ozone	Former Subpart 1	50	-	46.11	154.77	14.28
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	34.77	116.70	10.76
La Porte County, IN	SO _x	Maintenance	100	-	1.04	3.49	0.32
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.51	1.70	0.16
Lake County, IN	SO _x	Maintenance	100	-	9.09	30.82	2.34
Lake County, OH	SO _x	Maintenance	100	-	1.16	3.89	0.36
Lake County, OR	PM ₁₀	Maintenance	100	-	0.19	0.63	0.06
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	1.46	4.90	0.45
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	3.33	11.16	1.03
Lake Tahoe, NV	CO	Maintenance	100	-	0.67	2.24	0.21
Lamar, CO	PM ₁₀	Maintenance	100	-	0.29	0.96	0.09
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.04	0.13	0.01
Lancaster, PA	Ozone	Maintenance	100	-	15.74	53.10	4.49
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	15.74	53.10	4.49
Lane County, OR	PM ₁₀	Moderate	100	-	0.04	0.12	0.01
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	16.26	54.58	5.03
LaPorte, IN	Ozone	Maintenance	100	-	2.88	9.67	0.89
Las Vegas, NV	CO	Serious	100	-	62.71	210.49	19.41
Las Vegas, NV	Ozone	Former Subpart 1	50	-	63.36	212.67	19.62
Lauderdale County, AL	SO _x	Maintenance	100	-	2.71	9.10	0.84
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.06	0.19	0.02
Libby, MT	PM ₁₀	Moderate	100	-	0.13	0.43	0.04
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.17	0.57	0.05
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.34	1.15	0.08
Lima, OH	Ozone	Maintenance	100	-	-237.01	-455.82	-588.44

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Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Longmont, CO	CO	Maintenance	100	-	3.78	12.70	1.17
Lorain County, OH	SO _x	Maintenance	100	-	1.58	5.29	0.49
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	244.77	1,290.78	-635.63
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	244.77	1,290.78	-635.63
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	244.77	1,290.78	-635.63
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	244.78	1,290.80	-635.63
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	244.75	1,290.70	-635.64
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	26.62	89.35	8.24
Louisville, KY-IN	Ozone	Maintenance	100	-	36.95	124.02	11.44
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	35.13	117.92	10.88
Lowell, MA	CO	Maintenance	100	-	4.28	14.35	1.32
Lucas County, OH	SO _x	Maintenance	100	-	9.01	30.24	2.79
Lyons Township, IL	PM ₁₀	Maintenance	100	-	1.88	6.32	0.57
Macon, GA	Ozone	Maintenance	100	-	6.18	20.74	1.91
Macon, GA	PM _{2.5}	Nonattainment	100	-	6.10	20.46	1.89
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.08	0.28	0.03
Madison, WI	SO _x	Maintenance	100	-	9.91	33.28	3.07
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.52	1.74	0.16
Manchester, NH	CO	Maintenance	100	-	2.20	7.40	0.68
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	3.22	10.80	1.00
Marion County, IN	SO _x	Maintenance	100	-	9.64	32.37	2.99
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	5.04	16.92	1.56
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	10.97	36.82	3.40
Mason County, MI	Ozone	Maintenance	100	-	0.93	3.12	0.29
Medford, OR	CO	Maintenance	100	-	3.25	10.91	1.01
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	7.85	26.33	2.43
Memphis, TN-AR	Ozone	Maintenance	100	-	-34.60	-23.64	-150.96
Memphis, TN	CO	Maintenance	100	-	-36.83	-31.13	-151.66
Miami (Gila County), AZ	SO _x	Maintenance	100	-	1.19	4.00	0.37
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.14	0.48	0.03
Milwaukee, WI	SO _x	Maintenance	100	-	16.69	56.01	5.17
Milwaukee-Racine, WI	Ozone	Moderate	50	-	62.25	208.93	19.27
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-121.83	-88.78	-523.13
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	100.42	338.90	28.28
Missoula, MT	CO	Maintenance	100	-	1.63	6.29	-0.73
Missoula, MT	PM ₁₀	Moderate	100	-	1.58	6.09	-0.71
Modesto, CA	CO	Maintenance	100	-	13.18	44.23	4.08
Mohave County, AZ	PM ₁₀	Maintenance	100	-	4.56	15.31	1.41
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.07	0.22	0.02
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.10	0.35	0.03
Morristown, NJ	CO	Maintenance	100	-	1.40	4.69	0.43
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.88	2.96	0.27
Muncie, IN	Ozone	Maintenance	100	-	3.20	10.74	0.99
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.20	0.67	0.06
Muscatine County, IA	SO _x	Maintenance	100	-	0.54	1.81	0.17
Muskegon, MI	Ozone	Maintenance	100	-	4.46	15.03	1.32
Nashua, NH	CO	Maintenance	100	-	1.80	6.04	0.56
Nashville, TN	Ozone	Former Subpart 1	50	-	60.42	203.40	17.79
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	6.94	23.28	2.15

Table B1-8
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Nitrogen Oxide (NO_x) 2060

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
New Haven County, CT	PM ₁₀	Maintenance	100	-	5.63	18.91	1.74
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	25.19	84.55	7.80
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.19	0.63	0.06
New York County, NY	PM ₁₀	Moderate	100	-	13.57	45.54	4.20
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	127.14	612.15	-241.74
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	317.65	1,332.34	-305.20
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	312.98	1,316.66	-306.65
Nogales, AZ	PM ₁₀	Moderate	100	-	1.49	5.00	0.46
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-96.37	-112.67	-349.45
Ogden, UT	CO	Maintenance	100	-	2.27	7.62	0.70
Ogden, UT	PM ₁₀	Moderate	100	-	2.27	7.62	0.70
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.06	0.19	0.02
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.60	2.01	0.19
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	4.26	14.29	1.32
Owens Valley, CA	PM ₁₀	Serious	70	-	0.20	0.68	0.06
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.01	0.03	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	4.58	15.38	1.42
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	4.61	15.49	1.42
Payson, AZ	PM ₁₀	Maintenance	100	-	0.74	2.49	0.23
Penns Grove, NJ	CO	Maintenance	100	-	0.02	0.05	0.00
Peoria, IL	SO _x	Maintenance	100	-	2.77	9.75	0.17
Perth Amboy, NJ	CO	Maintenance	100	-	-52.91	-97.98	-137.12
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	11.30	37.93	3.49
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-337.63	-448.78	-1,142.36
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-266.86	-210.28	-1,121.86
Phoenix, AZ	CO	Maintenance	100	-	223.18	749.88	67.91
Phoenix, AZ	PM ₁₀	Serious	70	-	228.86	768.97	69.65
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	229.42	770.84	69.82
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.31	1.04	0.10
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.03	0.10	0.01
Pittsburgh, PA	CO	Maintenance	100	-	1.07	3.64	0.26
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	63.01	212.57	17.84
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	57.46	193.96	16.12
Polk County, TN	SO _x	Maintenance	100	-	0.69	2.30	0.21
Polson, MT	PM ₁₀	Moderate	100	-	0.13	0.42	0.04
Portland, ME	Ozone	Maintenance	100	-	18.19	62.59	3.30
Portland, OR	CO	Maintenance	100	-	38.09	129.07	9.97
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	1.40	4.71	0.43
Poughkeepsie, NY	Ozone	Moderate	50	-	54.76	183.82	16.95
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.27	0.91	0.08
Providence (entire State), RI	Ozone	Moderate	50	-	33.74	115.26	7.39
Provo, UT	CO	Maintenance	100	-	6.54	21.97	2.03
Raleigh-Durham, NC	CO	Maintenance	100	-	50.47	169.71	15.14
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	68.50	230.23	20.72
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.05	0.17	0.00
Reading, PA	Ozone	Maintenance	100	-	11.15	37.42	3.45
Reading, PA	PM _{2.5}	Nonattainment	100	-	11.15	37.42	3.45
Reno, NV	CO	Maintenance	100	-	8.41	28.24	2.60
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.05	0.17	0.02

Table B1-8
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Nitrogen Oxide (NO_x) 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	40.78	138.03	10.87
Rillito, AZ	PM ₁₀	Moderate	100	-	2.09	7.03	0.65
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	28.70	96.32	8.88
Roanoke, VA	Ozone	Former Subpart 1	50	-	8.39	28.15	2.60
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	2.90	9.75	0.90
Rochester, NY	Ozone	Former Subpart 1	50	-	44.97	150.95	13.92
Rocky Mount, NC	Ozone	Maintenance	100	-	5.89	19.76	1.82
Rome, GA	PM _{2.5}	Nonattainment	100	-	3.96	13.29	1.23
Ronan, MT	PM ₁₀	Moderate	100	-	0.05	0.16	0.01
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.08	0.26	0.02
Sacramento County, CA	PM ₁₀	Moderate	100	-	64.55	216.65	19.98
Sacramento Metro, CA	Ozone	Severe	25	-	118.99	400.49	35.16
Sacramento, CA	CO	Maintenance	100	-	72.56	243.67	22.27
Salem, OR	CO	Maintenance	100	-	4.28	14.38	1.33
Salt Lake City, UT	CO	Maintenance	100	-	-19.23	-26.43	-63.76
Salt Lake County, UT	PM ₁₀	Moderate	100	-	10.10	72.03	-54.68
Salt Lake County, UT	SO _x	Nonattainment	100	-	37.09	124.49	11.48
San Antonio, TX	Ozone	Former Subpart 1	50	-	66.99	227.24	17.11
San Bernardino County, CA	PM ₁₀	Moderate	100	-	16.18	54.30	5.01
San Diego, CA	CO	Maintenance	100	-	172.46	579.31	52.72
San Diego, CA	Ozone	Former Subpart 1	50	-	172.80	580.45	52.82
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-442.46	-509.40	-1,616.37
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-412.27	-408.06	-1,607.03
San Joaquin Valley, CA	Ozone	Extreme	10	-	178.76	620.35	24.50
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	179.18	621.77	24.63
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	178.76	620.35	24.50
San Manual (Pinal County), AZ	SO _x	Maintenance	100	-	1.36	4.57	0.42
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.02	0.08	0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	22.49	75.48	6.96
Seattle-Tacoma, WA	CO	Maintenance	100	-	111.69	374.88	34.58
Sheboygan, WI	Ozone	Moderate	50	-	4.26	14.31	1.32
Sheridan, WY	PM ₁₀	Moderate	100	-	0.71	2.38	0.22
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.63	2.11	0.19
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	14.79	50.23	3.68
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	4.05	13.62	1.23
Spokane County, WA	PM ₁₀	Maintenance	100	-	11.00	36.92	3.41
Spokane, WA	CO	Maintenance	100	-	10.87	36.48	3.36
Springfield (western MA), MA	Ozone	Moderate	50	-	29.43	99.60	7.87
Springfield, MA	CO	Maintenance	100	-	5.02	17.22	1.02
St Louis, MO	CO	Maintenance	100	-	24.85	83.42	7.69
St Louis, MO-IL	Ozone	Moderate	50	-	-295.63	-442.57	-924.98
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-296.25	-444.65	-925.18
State College, PA	Ozone	Maintenance	100	-	6.42	21.53	1.99
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.84	2.82	0.26
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	1.22	4.11	0.38
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-11.41	-18.31	-33.85
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-11.41	-18.31	-33.85

Table B1-8
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Nitrogen Oxide (NO_x) 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Stockton, CA	CO	Maintenance	100	-	20.47	68.72	6.34
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	16.29	54.69	5.04
Telluride, CO	PM ₁₀	Maintenance	100	-	0.08	0.27	0.03
Terre Haute, IN	Ozone	Maintenance	100	-	3.72	12.48	1.15
Tioga County, PA	Ozone	Maintenance	100	-	1.69	5.68	0.52
Toledo, OH	Ozone	Maintenance	100	-	-214.72	-392.95	-563.40
Toms River, NJ	CO	Maintenance	100	-	4.09	13.73	1.27
Tooele County, UT	SO _x	Nonattainment	100	-	3.65	12.24	1.13
Trenton, NJ	CO	Maintenance	100	-	3.12	10.46	0.96
Trona, CA	PM ₁₀	Moderate	100	-	0.14	0.45	0.04
Tucson, AZ	CO	Maintenance	100	-	38.26	128.41	11.84
Utah County, UT	PM ₁₀	Moderate	100	-	18.68	62.69	5.78
Vancouver, WA	CO	Maintenance	100	-	12.74	42.75	3.94
Ventura County, CA	Ozone	Serious	50	-	34.73	117.48	9.35
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.21	0.70	0.07
Vigo County, IN	SO _x	Maintenance	100	-	3.72	12.48	1.15
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	1.88	6.32	0.58
Warren County, NJ	SO _x	Maintenance	100	-	1.26	4.23	0.39
Warren County, PA	SO _x	Nonattainment	100	-	0.25	1.05	-0.26
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	7.03	23.60	2.18
Washington, DC-MD-VA	CO	Maintenance	100	-	57.03	191.41	17.65
Washington, DC-MD-VA	Ozone	Moderate	50	-	204.35	685.90	63.26
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	199.62	670.01	61.80
Washoe County, NV	PM ₁₀	Serious	70	-	8.41	28.24	2.60
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.13	0.44	0.04
Wayne County, IN	SO _x	Maintenance	100	-	1.99	6.67	0.62
Wayne County, MI	PM ₁₀	Maintenance	100	-	-59.26	-109.22	-154.35
Weirton, WV	PM ₁₀	Maintenance	100	-	0.21	0.69	0.06
Weirton, WV	SO _x	Maintenance	100	-	0.29	0.98	0.09
Wheeling, WV-OH	Ozone	Maintenance	100	-	4.16	13.95	1.29
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	4.16	13.95	1.29
Winston-Salem, NC	CO	Maintenance	100	-	14.32	48.06	4.43
Worcester, MA	CO	Maintenance	100	-	8.52	28.60	2.64
Yakima County, WA	PM ₁₀	Maintenance	100	-	3.29	11.04	1.02
Yakima, WA	CO	Maintenance	100	-	1.62	5.45	0.50
York, PA	Ozone	Maintenance	100	-	16.19	54.35	5.01
York, PA	PM _{2.5}	Nonattainment	100	-	12.52	42.04	3.88
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	18.67	62.65	5.78
Yuma, AZ	PM ₁₀	Moderate	100	-	7.44	24.97	2.30

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

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

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

Source: EPA, 2008.

Table B1-9
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Particulate Matter 2.5 (PM_{2.5}) 2021

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.30	0.35	-0.28
Albuquerque, NM	CO	Maintenance	100	-	0.14	0.16	-0.13
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.03	0.04	-0.03
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.14	0.16	-0.13
Altoona, PA	Ozone	Maintenance	100	-	0.02	0.03	-0.02
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.04	0.04	-0.03
Anchorage, AK	CO	Maintenance	100	-	0.03	0.04	-0.03
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Atlanta, GA	Ozone	Moderate	50	-	1.55	1.83	-1.43
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	1.55	1.83	-1.43
Atlantic City, NJ	CO	Maintenance	100	-	0.01	0.01	-0.01
Bakersfield, CA	CO	Maintenance	100	-	-0.09	-0.16	-0.62
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	-0.00
Baltimore, MD	Ozone	Moderate	50	-	0.70	0.82	-0.64
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.70	0.82	-0.64
Baton Rouge, LA	Ozone	Moderate	50	-	-11.20	-16.33	-31.26
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-36.10	-52.54	-99.18
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.04	0.05	-0.04
Benzie County, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.00
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.03	0.04	-0.03
Billings, MT	CO	Maintenance	100	-	-6.00	-8.73	-16.48
Birmingham, AL	Ozone	Maintenance	100	-	-0.30	-0.50	-1.69
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-0.29	-0.49	-1.69
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.08	0.09	-0.07
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.08	0.09	-0.07
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Boston, MA	CO	Maintenance	100	-	0.20	0.24	-0.19
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	1.20	1.42	-1.10
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.15	0.18	-0.14
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.27	0.32	-0.25
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.00
Canton-Massillon, OH	Ozone	Maintenance	100	-	-0.90	-1.32	-2.71
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-0.90	-1.32	-2.71
Case County, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.01
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Charleston, WV	Ozone	Maintenance	100	-	0.07	0.08	-0.06
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.07	0.08	-0.06
Charlotte, NC	CO	Maintenance	100	-	0.17	0.20	-0.16
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.38	0.45	-0.35

Table B1-9
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Particulate Matter 2.5 (PM_{2.5}) 2021

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.13	0.15	-0.12
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.12	0.14	-0.11
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-15.20	-22.56	-47.63
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-15.14	-22.49	-47.68
Chico, CA	CO	Maintenance	100	-	0.02	0.03	-0.02
Chico, CA	Ozone	Former Subpart 1	50	-	0.06	0.07	-0.05
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.46	0.55	-0.43
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.45	0.53	-0.41
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.34	0.40	-0.31
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.06	0.07	-0.06
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.04	0.05	-0.04
Cleveland, OH	CO	Maintenance	100	-	0.23	0.27	-0.21
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.61	0.72	-0.56
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.56	0.67	-0.52
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.14	0.17	-0.13
Colbert County, AL	SO _x	Maintenance	100	-	0.01	0.02	-0.01
Colorado Springs, CO	CO	Maintenance	100	-	0.14	0.16	-0.12
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.15	0.18	-0.14
Columbus, OH	Ozone	Maintenance	100	-	0.39	0.46	-0.36
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.36	0.42	-0.33
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.23	0.27	-0.21
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.18	0.22	-0.17
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	1.59	1.88	-1.47
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.20	0.24	-0.18
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.18	0.21	-0.16
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-6.69	-9.92	-20.83
Denver-Boulder, CO	CO	Maintenance	100	-	-6.72	-9.95	-20.80
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-6.55	-9.75	-20.96
Detroit, MI	CO	Maintenance	100	-	-5.33	-7.86	-16.00
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-6.35	-9.54	-21.37
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-6.37	-9.56	-21.36
Door County, WI	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.01
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.01
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.01	0.01	-0.01
Duluth, MN	CO	Maintenance	100	-	0.02	0.02	-0.02
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	-13.28	-19.32	-36.52
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	-3.92	-5.73	-11.14
El Paso, TX	CO	Maintenance	100	-	0.01	0.01	-0.01
Erie, PA	Ozone	Maintenance	100	-	0.05	0.06	-0.05
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00

Table B1-9
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Particulate Matter 2.5 (PM_{2.5}) 2021

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Eugene-Springfield, OR	CO	Maintenance	100	-	0.05	0.06	-0.05
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.05	0.06	-0.05
Evansville, IN	Ozone	Maintenance	100	-	0.06	0.07	-0.06
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.08	0.09	-0.07
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	-0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.07	0.08	-0.06
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Flint, MI	Ozone	Maintenance	100	-	0.12	0.15	-0.11
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	0.04	0.05	-0.04
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.09	0.10	-0.08
Franklin County, PA	Ozone	Maintenance	100	-	0.04	0.04	-0.03
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.03	0.04	-0.03
Fredericksburg, VA	Ozone	Maintenance	100	-	0.09	0.11	-0.09
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Fresno, CA	CO	Maintenance	100	-	0.13	0.16	-0.13
Grand Rapids, MI	Ozone	Maintenance	100	-	0.19	0.22	-0.17
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.01
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.01
Great Falls, MT	CO	Maintenance	100	-	0.00	0.01	-0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	0.39	0.46	-0.36
Greeley, CO	CO	Maintenance	100	-	0.03	0.03	-0.03
Green Bay, WI	SO _x	Maintenance	100	-	0.03	0.03	-0.03
Greene County, IN	Ozone	Maintenance	100	-	0.01	0.01	-0.01
Greene County, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.01
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.38	0.45	-0.35
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.19	0.22	-0.18
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.21	0.25	-0.20
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.01	0.01	-0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.03	0.03	-0.02
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.20	0.23	-0.18
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.18	0.22	-0.17
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.25	0.30	-0.23
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.01
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.01	0.01	-0.01
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.04	0.05	-0.04
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.07	0.08	-0.06
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-53.96	-78.84	-152.49
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-7.22	-10.52	-20.03
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-7.25	-10.56	-20.00
Huron County, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.01

Table B1-9
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Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Imperial County, CA	Ozone	Moderate	50	-	0.05	0.06	-0.05
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.05	0.06	-0.04
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.01
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.47	0.55	-0.43
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.37	0.44	-0.34
Jackson County, IN	Ozone	Maintenance	100	-	0.02	0.02	-0.02
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.04	0.04	-0.03
Jefferson County, NY	Ozone	Moderate	50	-	0.03	0.03	-0.03
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.05	0.06	-0.05
Johnstown, PA	Ozone	Maintenance	100	-	0.02	0.03	-0.02
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.03	-0.03
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.12	0.14	-0.11
Kalispell, MT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.01
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.39	0.46	-0.36
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.03	0.04	-0.03
Kent, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.01
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.02	0.02	-0.02
Kewaunee County, WI	Ozone	Maintenance	100	-	0.01	0.01	-0.01
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.01	0.01	-0.01
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.01
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.27	0.32	-0.25
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.21	0.25	-0.20
La Porte County, IN	SO _x	Maintenance	100	-	0.01	0.01	-0.01
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lake County, IN	SO _x	Maintenance	100	-	0.07	0.09	-0.07
Lake County, OH	SO _x	Maintenance	100	-	0.01	0.01	-0.01
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.01	0.01	-0.01
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.01	0.02	-0.01
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.01	-0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.11	0.12	-0.10
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.11	0.12	-0.10
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.11	0.13	-0.10
LaPorte, IN	Ozone	Maintenance	100	-	0.02	0.03	-0.02
Las Vegas, NV	CO	Serious	100	-	0.34	0.40	-0.31
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.34	0.41	-0.32
Lauderdale County, AL	SO _x	Maintenance	100	-	0.02	0.02	-0.02
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Lima, OH	Ozone	Maintenance	100	-	-9.23	-13.44	-25.37

Table B1-9
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Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Longmont, CO	CO	Maintenance	100	-	0.02	0.02	-0.02
Lorain County, OH	SO _x	Maintenance	100	-	0.01	0.01	-0.01
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-22.70	-33.99	-75.05
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	-22.70	-33.99	-75.05
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-22.70	-33.99	-75.05
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-22.70	-33.99	-75.05
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-22.70	-33.99	-75.05
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.16	0.19	-0.15
Louisville, KY-IN	Ozone	Maintenance	100	-	0.27	0.32	-0.25
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.26	0.31	-0.24
Lowell, MA	CO	Maintenance	100	-	0.03	0.03	-0.02
Lucas County, OH	SO _x	Maintenance	100	-	0.07	0.08	-0.07
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.02
Macon, GA	Ozone	Maintenance	100	-	0.05	0.06	-0.05
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.05	0.06	-0.05
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Madison, WI	SO _x	Maintenance	100	-	0.06	0.07	-0.05
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Manchester, NH	CO	Maintenance	100	-	0.02	0.02	-0.02
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.02	0.03	-0.02
Marion County, IN	SO _x	Maintenance	100	-	0.07	0.09	-0.07
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.03	0.03	-0.02
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.07	0.09	-0.07
Mason County, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.01
Medford, OR	CO	Maintenance	100	-	0.02	0.02	-0.02
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.04	0.05	-0.04
Memphis, TN-AR	Ozone	Maintenance	100	-	-2.62	-3.87	-8.04
Memphis, TN	CO	Maintenance	100	-	-2.64	-3.89	-8.02
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.01	0.01	-0.01
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.13	0.15	-0.12
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.42	0.49	-0.38
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.67	0.79	-0.62
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.65	0.77	-0.60
Missoula, MT	CO	Maintenance	100	-	0.01	0.02	-0.01
Missoula, MT	PM ₁₀	Moderate	100	-	0.01	0.02	-0.01
Modesto, CA	CO	Maintenance	100	-	0.07	0.08	-0.06
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.02	0.03	-0.02
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Morristown, NJ	CO	Maintenance	100	-	0.01	0.01	-0.01
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.01	0.01	-0.01
Muncie, IN	Ozone	Maintenance	100	-	0.03	0.03	-0.03
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.03	0.04	-0.03
Nashua, NH	CO	Maintenance	100	-	0.01	0.02	-0.01
Nashville, TN	Ozone	Former Subpart 1	50	-	0.38	0.45	-0.35
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.03	0.04	-0.03

Table B1-9
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Particulate Matter 2.5 (PM_{2.5}) 2021

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.03	0.04	-0.03
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.19	0.22	-0.17
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.11	0.13	-0.10
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-1.13	-2.15	-9.86
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-0.61	-1.84	-14.46
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-0.64	-1.87	-14.44
Nogales, AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.01
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-9.95	-14.57	-28.59
Ogden, UT	CO	Maintenance	100	-	0.02	0.02	-0.02
Ogden, UT	PM ₁₀	Moderate	100	-	0.02	0.02	-0.02
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.02	0.03	-0.02
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.03	0.04	-0.03
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.03	0.04	-0.03
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.00
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.02	0.03	-0.02
Perth Amboy, NJ	CO	Maintenance	100	-	-1.09	-1.59	-3.04
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.09	0.11	-0.09
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-14.94	-22.02	-44.75
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-14.50	-21.51	-45.32
Phoenix, AZ	CO	Maintenance	100	-	1.02	1.21	-0.97
Phoenix, AZ	PM ₁₀	Serious	70	-	1.06	1.24	-1.00
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	1.06	1.25	-1.00
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.01	0.01	-0.01
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.47	0.56	-0.45
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.43	0.51	-0.41
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.01	-0.00
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Portland, ME	Ozone	Maintenance	100	-	0.13	0.15	-0.12
Portland, OR	CO	Maintenance	100	-	0.21	0.24	-0.41
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.01
Poughkeepsie, NY	Ozone	Moderate	50	-	0.31	0.37	-0.29
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.23	0.27	-0.21
Provo, UT	CO	Maintenance	100	-	0.04	0.04	-0.03
Raleigh-Durham, NC	CO	Maintenance	100	-	0.30	0.35	-0.28
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.41	0.48	-0.38
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Reading, PA	Ozone	Maintenance	100	-	0.08	0.09	-0.07
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.08	0.09	-0.07
Reno, NV	CO	Maintenance	100	-	0.06	0.07	-0.05
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.27	0.32	-0.31
Rillito, AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.01
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.14	0.17	-0.13
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.06	0.07	-0.06
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.02	0.02	-0.02
Rochester, NY	Ozone	Former Subpart 1	50	-	0.32	0.37	-0.29
Rocky Mount, NC	Ozone	Maintenance	100	-	0.04	0.05	-0.04
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.03	0.03	-0.03
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.34	0.40	-0.31
Sacramento Metro, CA	Ozone	Severe	25	-	0.60	0.71	-0.55
Sacramento, CA	CO	Maintenance	100	-	0.37	0.44	-0.34
Salem, OR	CO	Maintenance	100	-	0.03	0.04	-0.03
Salt Lake City, UT	CO	Maintenance	100	-	-2.53	-3.69	-7.10
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-2.34	-3.47	-7.28
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.24	0.28	-0.22
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.43	0.51	-0.40
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.10	0.12	-0.09
San Diego, CA	CO	Maintenance	100	-	0.94	1.11	-0.87
San Diego, CA	Ozone	Former Subpart 1	50	-	0.94	1.11	-0.87
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-19.85	-29.27	-59.71
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-19.65	-29.04	-59.89
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.83	0.93	-1.47
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.83	0.93	-1.48
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.83	0.93	-1.47
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.01	0.01	-0.01
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.16	0.19	-0.15
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.69	0.82	-0.64
Sheboygan, WI	Ozone	Moderate	50	-	0.03	0.03	-0.03
Sheridan, WY	PM ₁₀	Moderate	100	-	0.01	0.01	-0.00
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.11	0.13	-0.10
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.03	0.04	-0.06
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.07	0.08	-0.06
Spokane, WA	CO	Maintenance	100	-	0.07	0.08	-0.06
Springfield (western MA), MA	Ozone	Moderate	50	-	0.21	0.25	-0.19
Springfield, MA	CO	Maintenance	100	-	0.03	0.04	-0.03
St Louis, MO	CO	Maintenance	100	-	0.22	0.26	-0.21
St Louis, MO-IL	Ozone	Moderate	50	-	-40.75	-59.47	-114.13
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-40.75	-59.47	-114.13
State College, PA	Ozone	Maintenance	100	-	0.04	0.05	-0.04
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.01	0.01	-0.01
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.05	-0.08	-0.22
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.05	-0.08	-0.22

Table B1-9
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Particulate Matter 2.5 (PM_{2.5}) 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Stockton, CA	CO	Maintenance	100	-	0.10	0.12	-0.10
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.12	0.14	-0.11
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.03	0.04	-0.03
Tioga County, PA	Ozone	Maintenance	100	-	0.01	0.02	-0.01
Toledo, OH	Ozone	Maintenance	100	-	-9.51	-13.87	-26.51
Toms River, NJ	CO	Maintenance	100	-	0.02	0.03	-0.02
Tooele County, UT	SO _x	Nonattainment	100	-	0.02	0.03	-0.02
Trenton, NJ	CO	Maintenance	100	-	0.02	0.02	-0.02
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Tucson, AZ	CO	Maintenance	100	-	0.23	0.27	-0.21
Utah County, UT	PM ₁₀	Moderate	100	-	0.11	0.13	-0.10
Vancouver, WA	CO	Maintenance	100	-	0.07	0.08	-0.06
Ventura County, CA	Ozone	Serious	50	-	0.18	0.21	-0.21
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.03	0.04	-0.03
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.01	0.02	-0.01
Warren County, NJ	SO _x	Maintenance	100	-	0.01	0.01	-0.01
Warren County, PA	SO _x	Nonattainment	100	-	-0.00	-0.01	-0.02
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.05	0.06	-0.05
Washington, DC-MD-VA	CO	Maintenance	100	-	0.37	0.43	-0.34
Washington, DC-MD-VA	Ozone	Moderate	50	-	1.24	1.47	-1.15
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	1.22	1.44	-1.12
Washoe County, NV	PM ₁₀	Serious	70	-	0.06	0.07	-0.05
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.02	0.02	-0.02
Wayne County, MI	PM ₁₀	Maintenance	100	-	-4.36	-6.35	-12.01
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.04	0.04	-0.03
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.04	0.04	-0.03
Winston-Salem, NC	CO	Maintenance	100	-	0.10	0.11	-0.09
Worcester, MA	CO	Maintenance	100	-	0.05	0.06	-0.05
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.02	0.03	-0.02
Yakima, WA	CO	Maintenance	100	-	0.01	0.01	-0.01
York, PA	Ozone	Maintenance	100	-	0.10	0.12	-0.10
York, PA	PM _{2.5}	Nonattainment	100	-	0.08	0.10	-0.07
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.15	0.18	-0.14
Yuma, AZ	PM ₁₀	Moderate	100	-	0.04	0.05	-0.04

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

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

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

Source: EPA, 2008.

Table B1-10
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.84	0.51	-3.43
Albuquerque, NM	CO	Maintenance	100	-	0.39	0.23	-1.58
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.10	0.06	-0.39
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.39	0.24	-1.59
Altoona, PA	Ozone	Maintenance	100	-	0.07	0.04	-0.27
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.11	0.07	-0.45
Anchorage, AK	CO	Maintenance	100	-	0.09	0.06	-0.38
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.01
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Atlanta, GA	Ozone	Moderate	50	-	4.38	2.65	-17.98
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	4.38	2.66	-17.99
Atlantic City, NJ	CO	Maintenance	100	-	0.03	0.02	-0.14
Bakersfield, CA	CO	Maintenance	100	-	-0.19	-0.55	-2.12
Baltimore, MD	CO	Maintenance	100	-	0.01	0.00	-0.03
Baltimore, MD	Ozone	Moderate	50	-	1.95	1.19	-8.02
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	1.95	1.19	-8.02
Baton Rouge, LA	Ozone	Moderate	50	-	-28.04	-42.60	-57.39
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-90.53	-136.44	-177.75
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.12	0.07	-0.48
Benzie County, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.06
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.10	0.06	-0.39
Billings, MT	CO	Maintenance	100	-	-15.04	-22.67	-29.56
Birmingham, AL	Ozone	Maintenance	100	-	-0.68	-1.62	-5.34
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-0.68	-1.62	-5.35
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.21	0.13	-0.87
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.21	0.13	-0.87
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.01	0.01	-0.04
Boston, MA	CO	Maintenance	100	-	0.56	0.34	-2.29
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	3.34	2.02	-13.70
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.42	0.26	-1.74
Boyd County (part), KY	SO _x	Maintenance	100	-	0.01	0.00	-0.03
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.75	0.46	-3.09
Burlington, NJ	CO	Maintenance	100	-	0.01	0.00	-0.02
Butte, MT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.06
Canon City, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.05
Canton-Massillon, OH	Ozone	Maintenance	100	-	-2.23	-3.53	-5.51
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-2.23	-3.53	-5.51
Case County, MI	Ozone	Maintenance	100	-	0.03	0.02	-0.12
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Charleston, WV	Ozone	Maintenance	100	-	0.18	0.11	-0.74
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.18	0.11	-0.74
Charlotte, NC	CO	Maintenance	100	-	0.48	0.29	-1.98
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	1.08	0.65	-4.42

Table B1-10
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.35	0.21	-1.47
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.32	0.19	-1.34
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-37.64	-60.77	-101.18
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-37.48	-60.67	-101.82
Chico, CA	CO	Maintenance	100	-	0.07	0.04	-0.29
Chico, CA	Ozone	Former Subpart 1	50	-	0.16	0.10	-0.67
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	1.29	0.78	-5.29
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	1.25	0.76	-5.13
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.04
Clark County, NV	PM ₁₀	Serious	70	-	0.98	0.60	-4.03
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.17	0.10	-0.70
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.12	0.07	-0.48
Cleveland, OH	CO	Maintenance	100	-	0.61	0.37	-2.51
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	1.68	1.02	-6.90
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	1.55	0.94	-6.36
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.42	0.25	-1.72
Colbert County, AL	SO _x	Maintenance	100	-	0.04	0.02	-0.16
Colorado Springs, CO	CO	Maintenance	100	-	0.39	0.23	-1.59
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Columbia, SC	Ozone	Former Subpart 1	50	-	0.43	0.26	-1.75
Columbus, OH	Ozone	Maintenance	100	-	1.10	0.67	-4.51
Columbus, OH	PM _{2.5}	Nonattainment	100	-	1.02	0.62	-4.18
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.61	0.37	-2.51
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.50	0.30	-2.05
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	4.56	2.76	-18.72
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.55	0.33	-2.24
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.48	0.29	-1.98
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-16.55	-26.65	-44.02
Denver-Boulder, CO	CO	Maintenance	100	-	-16.64	-26.70	-43.67
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-16.15	-26.41	-45.67
Detroit, MI	CO	Maintenance	100	-	-13.26	-20.88	-32.09
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-15.64	-26.25	-48.73
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-15.70	-26.28	-48.50
Door County, WI	Ozone	Former Subpart 1	50	-	0.02	0.01	-0.10
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.02	0.01	-0.09
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.02	0.01	-0.08
Duluth, MN	CO	Maintenance	100	-	0.05	0.03	-0.22
Eagle River, AK	PM ₁₀	Moderate	100	-	0.01	0.00	-0.02
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	-33.28	-50.20	-65.59
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	-9.80	-15.03	-20.99
El Paso, TX	CO	Maintenance	100	-	0.02	0.01	-0.08
Erie, PA	Ozone	Maintenance	100	-	0.15	0.09	-0.61
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00

Table B1-10
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Eugene-Springfield, OR	CO	Maintenance	100	-	0.15	0.09	-0.62
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.14	0.09	-0.59
Evansville, IN	Ozone	Maintenance	100	-	0.17	0.10	-0.68
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.21	0.13	-0.87
Fairbanks, AK	CO	Maintenance	100	-	0.01	0.01	-0.05
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.19	0.12	-0.79
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Flint, MI	Ozone	Maintenance	100	-	0.34	0.21	-1.39
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	0.12	0.07	-0.47
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.24	0.14	-0.98
Franklin County, PA	Ozone	Maintenance	100	-	0.10	0.06	-0.41
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.09	0.05	-0.35
Fredericksburg, VA	Ozone	Maintenance	100	-	0.27	0.16	-1.11
Freehold, NJ	CO	Maintenance	100	-	0.01	0.01	-0.05
Fresno, CA	CO	Maintenance	100	-	0.38	0.23	-1.59
Grand Rapids, MI	Ozone	Maintenance	100	-	0.53	0.32	-2.18
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.03	0.02	-0.11
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.02	0.01	-0.09
Great Falls, MT	CO	Maintenance	100	-	0.01	0.01	-0.05
Greater Connecticut, CT	Ozone	Moderate	50	-	1.07	0.65	-4.41
Greeley, CO	CO	Maintenance	100	-	0.08	0.05	-0.33
Green Bay, WI	SO _x	Maintenance	100	-	0.08	0.05	-0.33
Greene County, IN	Ozone	Maintenance	100	-	0.03	0.02	-0.13
Greene County, PA	Ozone	Maintenance	100	-	0.03	0.02	-0.12
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	1.06	0.64	-4.35
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.52	0.32	-2.15
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.59	0.36	-2.41
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.01	0.01	-0.06
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.08	0.05	-0.31
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.56	0.34	-2.30
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.52	0.31	-2.12
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.69	0.42	-2.85
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.01	0.00	-0.03
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.03	0.02	-0.11
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.01
Hazelwood, PA	SO _x	Maintenance	100	-	0.03	0.02	-0.11
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.12	0.07	-0.48
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.19	0.12	-0.79
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-134.93	-206.31	-284.85
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-18.09	-27.40	-36.41
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-18.18	-27.45	-36.03
Huron County, MI	Ozone	Maintenance	100	-	0.02	0.01	-0.08

Table B1-10
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Imperial County, CA	Ozone	Moderate	50	-	0.14	0.09	-0.59
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.14	0.08	-0.58
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.02	0.01	-0.09
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	1.31	0.79	-5.38
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	1.04	0.63	-4.26
Jackson County, IN	Ozone	Maintenance	100	-	0.05	0.03	-0.21
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.10	0.06	-0.42
Jefferson County, NY	Ozone	Moderate	50	-	0.08	0.05	-0.33
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.02
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.14	0.09	-0.58
Johnstown, PA	Ozone	Maintenance	100	-	0.07	0.04	-0.27
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.07	0.04	-0.30
Juneau, AK	PM ₁₀	Moderate	100	-	0.01	0.00	-0.03
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.33	0.20	-1.35
Kalispell, MT	PM ₁₀	Moderate	100	-	0.02	0.01	-0.08
Kansas City, MO-KS	Ozone	Maintenance	100	-	1.09	0.66	-4.47
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.09	0.06	-0.38
Kent, WA	PM ₁₀	Maintenance	100	-	0.02	0.01	-0.07
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.05	0.03	-0.22
Kewaunee County, WI	Ozone	Maintenance	100	-	0.02	0.01	-0.07
King County, WA	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.03
Klamath Falls, OR	CO	Maintenance	100	-	0.03	0.02	-0.13
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.03	0.02	-0.13
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.78	0.47	-3.19
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.60	0.36	-2.47
La Porte County, IN	SO _x	Maintenance	100	-	0.02	0.01	-0.09
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.04
Lake County, IN	SO _x	Maintenance	100	-	0.20	0.12	-0.81
Lake County, OH	SO _x	Maintenance	100	-	0.02	0.01	-0.10
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.02	0.01	-0.08
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.04	0.02	-0.17
Lake Tahoe, NV	CO	Maintenance	100	-	0.01	0.01	-0.05
Lamar, CO	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.02
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.29	0.18	-1.21
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.29	0.18	-1.21
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.31	0.19	-1.28
LaPorte, IN	Ozone	Maintenance	100	-	0.06	0.04	-0.26
Las Vegas, NV	CO	Serious	100	-	0.98	0.60	-4.03
Las Vegas, NV	Ozone	Former Subpart 1	50	-	1.00	0.60	-4.09
Lauderdale County, AL	SO _x	Maintenance	100	-	0.06	0.03	-0.24
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.02
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.04
Lima, OH	Ozone	Maintenance	100	-	-23.15	-34.89	-45.48

Table B1-10
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Longmont, CO	CO	Maintenance	100	-	0.06	0.04	-0.24
Lorain County, OH	SO _x	Maintenance	100	-	0.03	0.02	-0.12
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-55.81	-92.93	-169.00
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	-55.81	-92.93	-169.00
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-55.81	-92.93	-169.00
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-55.81	-92.93	-169.00
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-55.81	-92.93	-169.00
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.45	0.27	-1.86
Louisville, KY-IN	Ozone	Maintenance	100	-	0.74	0.45	-3.02
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.71	0.43	-2.93
Lowell, MA	CO	Maintenance	100	-	0.07	0.04	-0.30
Lucas County, OH	SO _x	Maintenance	100	-	0.19	0.12	-0.80
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.03	0.01	-0.18
Macon, GA	Ozone	Maintenance	100	-	0.14	0.08	-0.56
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.14	0.08	-0.56
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	-0.01
Madison, WI	SO _x	Maintenance	100	-	0.16	0.10	-0.66
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.01	0.00	-0.03
Manchester, NH	CO	Maintenance	100	-	0.05	0.03	-0.21
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.07	0.04	-0.27
Marion County, IN	SO _x	Maintenance	100	-	0.20	0.12	-0.84
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.07	0.04	-0.30
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.21	0.13	-0.86
Mason County, MI	Ozone	Maintenance	100	-	0.02	0.01	-0.07
Medford, OR	CO	Maintenance	100	-	0.05	0.03	-0.21
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.12	0.07	-0.50
Memphis, TN-AR	Ozone	Maintenance	100	-	-6.51	-10.38	-16.61
Memphis, TN	CO	Maintenance	100	-	-6.56	-10.41	-16.39
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.02	0.01	-0.08
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Milwaukee, WI	SO _x	Maintenance	100	-	0.34	0.21	-1.42
Milwaukee-Racine, WI	Ozone	Moderate	50	-	1.16	0.70	-4.77
Minneapolis-St Paul, MN	CO	Maintenance	100	-	1.88	1.14	-7.73
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	1.83	1.11	-7.52
Missoula, MT	CO	Maintenance	100	-	0.04	0.02	-0.16
Missoula, MT	PM ₁₀	Moderate	100	-	0.04	0.02	-0.16
Modesto, CA	CO	Maintenance	100	-	0.20	0.12	-0.83
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.07	0.04	-0.28
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Morristown, NJ	CO	Maintenance	100	-	0.02	0.01	-0.09
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.02	0.01	-0.08
Muncie, IN	Ozone	Maintenance	100	-	0.08	0.05	-0.31
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	-0.01
Muscatine County, IA	SO _x	Maintenance	100	-	0.01	0.01	-0.04
Muskegon, MI	Ozone	Maintenance	100	-	0.08	0.05	-0.35
Nashua, NH	CO	Maintenance	100	-	0.04	0.02	-0.17
Nashville, TN	Ozone	Former Subpart 1	50	-	1.07	0.65	-4.39
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.09	0.06	-0.38

Table B1-10
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.09	0.06	-0.37
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.51	0.31	-2.11
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	-0.02
New York County, NY	PM ₁₀	Moderate	100	-	0.30	0.18	-1.22
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-2.37	-8.15	-35.52
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-0.60	-9.61	-59.87
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-0.68	-9.66	-59.53
Nogales, AZ	PM ₁₀	Moderate	100	-	0.03	0.02	-0.11
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-24.85	-38.31	-54.58
Ogden, UT	CO	Maintenance	100	-	0.05	0.03	-0.19
Ogden, UT	PM ₁₀	Moderate	100	-	0.05	0.03	-0.19
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.06
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.07	0.04	-0.29
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.01
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.09	0.06	-0.39
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.10	0.06	-0.39
Payson, AZ	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.05
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.06	0.04	-0.27
Perth Amboy, NJ	CO	Maintenance	100	-	-2.72	-4.14	-5.60
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.25	0.15	-1.05
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-37.22	-58.60	-89.96
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-35.97	-57.94	-95.75
Phoenix, AZ	CO	Maintenance	100	-	3.06	1.84	-12.67
Phoenix, AZ	PM ₁₀	Serious	70	-	3.15	1.90	-13.06
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	3.16	1.90	-13.10
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.03
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.01	0.01	-0.06
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	1.30	0.78	-5.39
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	1.18	0.71	-4.92
Polk County, TN	SO _x	Maintenance	100	-	0.01	0.01	-0.06
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Portland, ME	Ozone	Maintenance	100	-	0.36	0.22	-1.51
Portland, OR	CO	Maintenance	100	-	0.61	0.23	-3.40
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.03	0.02	-0.12
Poughkeepsie, NY	Ozone	Moderate	50	-	0.89	0.54	-3.66
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.02
Providence (entire State), RI	Ozone	Moderate	50	-	0.64	0.39	-2.64
Provo, UT	CO	Maintenance	100	-	0.11	0.06	-0.44
Raleigh-Durham, NC	CO	Maintenance	100	-	0.85	0.52	-3.50
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	1.16	0.70	-4.77
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Reading, PA	Ozone	Maintenance	100	-	0.22	0.13	-0.89
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.22	0.13	-0.89
Reno, NV	CO	Maintenance	100	-	0.16	0.10	-0.65
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00

Table B1-10
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.76	0.43	-3.36
Rillito, AZ	PM ₁₀	Moderate	100	-	0.03	0.02	-0.13
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.42	0.25	-1.72
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.17	0.10	-0.70
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.05	0.03	-0.22
Rochester, NY	Ozone	Former Subpart 1	50	-	0.87	0.53	-3.59
Rocky Mount, NC	Ozone	Maintenance	100	-	0.12	0.07	-0.50
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.08	0.05	-0.32
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.98	0.59	-4.01
Sacramento Metro, CA	Ozone	Severe	25	-	1.76	1.07	-7.21
Sacramento, CA	CO	Maintenance	100	-	1.09	0.66	-4.48
Salem, OR	CO	Maintenance	100	-	0.09	0.05	-0.35
Salt Lake City, UT	CO	Maintenance	100	-	-6.33	-9.65	-13.16
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-5.80	-9.32	-15.35
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.67	0.41	-2.76
San Antonio, TX	Ozone	Former Subpart 1	50	-	1.21	0.74	-4.98
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.28	0.17	-1.15
San Diego, CA	CO	Maintenance	100	-	2.71	1.65	-11.14
San Diego, CA	Ozone	Former Subpart 1	50	-	2.72	1.65	-11.17
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-49.28	-77.90	-121.22
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-48.73	-77.56	-123.50
San Joaquin Valley, CA	Ozone	Extreme	10	-	2.49	1.07	-13.15
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	2.50	1.08	-13.20
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	2.49	1.07	-13.15
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.02	0.01	-0.09
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.44	0.26	-1.79
Seattle-Tacoma, WA	CO	Maintenance	100	-	1.95	1.18	-8.01
Sheboygan, WI	Ozone	Moderate	50	-	0.08	0.05	-0.32
Sheridan, WY	PM ₁₀	Moderate	100	-	0.01	0.01	-0.06
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.01	0.01	-0.05
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.29	0.18	-1.21
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.09	0.04	-0.51
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.19	0.12	-0.80
Spokane, WA	CO	Maintenance	100	-	0.19	0.12	-0.79
Springfield (western MA), MA	Ozone	Moderate	50	-	0.58	0.35	-2.39
Springfield, MA	CO	Maintenance	100	-	0.09	0.06	-0.39
St Louis, MO	CO	Maintenance	100	-	0.60	0.36	-2.45
St Louis, MO-IL	Ozone	Moderate	50	-	-102.04	-155.26	-210.27
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-102.06	-155.27	-210.22
State College, PA	Ozone	Maintenance	100	-	0.11	0.07	-0.46
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.05
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.03	0.02	-0.11
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.12	-0.23	-0.61
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.12	-0.23	-0.61

Table B1-10
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Stockton, CA	CO	Maintenance	100	-	0.30	0.18	-1.25
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.33	0.20	-1.38
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.09	0.05	-0.35
Tioga County, PA	Ozone	Maintenance	100	-	0.04	0.02	-0.15
Toledo, OH	Ozone	Maintenance	100	-	-23.82	-36.16	-48.52
Toms River, NJ	CO	Maintenance	100	-	0.06	0.04	-0.27
Tooele County, UT	SO _x	Nonattainment	100	-	0.07	0.04	-0.27
Trenton, NJ	CO	Maintenance	100	-	0.06	0.03	-0.24
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Tucson, AZ	CO	Maintenance	100	-	0.65	0.39	-2.66
Utah County, UT	PM ₁₀	Moderate	100	-	0.32	0.19	-1.30
Vancouver, WA	CO	Maintenance	100	-	0.20	0.12	-0.83
Ventura County, CA	Ozone	Serious	50	-	0.52	0.29	-2.31
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Vigo County, IN	SO _x	Maintenance	100	-	0.09	0.05	-0.35
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.04	0.02	-0.15
Warren County, NJ	SO _x	Maintenance	100	-	0.02	0.01	-0.10
Warren County, PA	SO _x	Nonattainment	100	-	-0.01	-0.02	-0.07
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.14	0.08	-0.57
Washington, DC-MD-VA	CO	Maintenance	100	-	1.02	0.62	-4.20
Washington, DC-MD-VA	Ozone	Moderate	50	-	3.52	2.14	-14.47
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	3.45	2.09	-14.17
Washoe County, NV	PM ₁₀	Serious	70	-	0.16	0.10	-0.65
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Wayne County, IN	SO _x	Maintenance	100	-	0.05	0.03	-0.19
Wayne County, MI	PM ₁₀	Maintenance	100	-	-10.95	-16.52	-21.60
Weirton, WV	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.03
Weirton, WV	SO _x	Maintenance	100	-	0.01	0.01	-0.03
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.10	0.06	-0.40
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.10	0.06	-0.40
Winston-Salem, NC	CO	Maintenance	100	-	0.27	0.16	-1.10
Worcester, MA	CO	Maintenance	100	-	0.14	0.09	-0.58
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.06	0.04	-0.25
Yakima, WA	CO	Maintenance	100	-	0.02	0.02	-0.10
York, PA	Ozone	Maintenance	100	-	0.29	0.18	-1.19
York, PA	PM _{2.5}	Nonattainment	100	-	0.23	0.14	-0.93
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.42	0.25	-1.71
Yuma, AZ	PM ₁₀	Moderate	100	-	0.12	0.07	-0.50

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

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

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

Source: EPA, 2008.

Table B1-11
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Particulate Matter 2.5 (PM_{2.5}) 2040

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.03
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.01	-0.01	-0.08
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.01	-0.01	-0.08
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	2.15	-2.20	-23.28
Albuquerque, NM	CO	Maintenance	100	-	0.98	-1.00	-10.59
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.26	-0.27	-2.81
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.99	-1.01	-10.74
Altoona, PA	Ozone	Maintenance	100	-	0.16	-0.16	-1.71
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.34	-0.35	-3.67
Anchorage, AK	CO	Maintenance	100	-	0.25	-0.26	-2.75
Anthony, NM	PM ₁₀	Moderate	100	-	0.01	-0.01	-0.13
Armstrong County, PA	SO _x	Nonattainment	100	-	0.01	-0.01	-0.09
Aspen, CO	PM ₁₀	Maintenance	100	-	0.01	-0.01	-0.13
Atlanta, GA	Ozone	Moderate	50	-	11.78	-12.01	-127.28
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	11.78	-12.01	-127.33
Atlantic City, NJ	CO	Maintenance	100	-	0.08	-0.08	-0.90
Bakersfield, CA	CO	Maintenance	100	-	-0.12	-2.27	-9.86
Baltimore, MD	CO	Maintenance	100	-	0.02	-0.02	-0.18
Baltimore, MD	Ozone	Moderate	50	-	5.16	-5.26	-55.72
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	5.16	-5.26	-55.72
Baton Rouge, LA	Ozone	Moderate	50	-	-52.81	-88.38	-93.16
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-171.39	-278.26	-262.33
Benton County, TN	SO _x	Maintenance	100	-	0.00	-0.00	-0.02
Benton Harbor, MI	Ozone	Maintenance	100	-	0.27	-0.28	-2.96
Benzie County, MI	Ozone	Maintenance	100	-	0.04	-0.04	-0.47
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.25	-0.26	-2.75
Billings, MT	CO	Maintenance	100	-	-28.47	-46.26	-43.76
Birmingham, AL	Ozone	Maintenance	100	-	-0.91	-5.79	-21.50
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-0.91	-5.79	-21.56
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.57	-0.58	-6.15
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.57	-0.58	-6.15
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.03	-0.03	-0.34
Boston, MA	CO	Maintenance	100	-	1.40	-1.43	-15.17
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	8.58	-8.75	-92.76
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	1.12	-1.14	-12.13
Boyd County (part), KY	SO _x	Maintenance	100	-	0.02	-0.02	-0.16
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	1.88	-1.92	-20.32
Burlington, NJ	CO	Maintenance	100	-	0.01	-0.01	-0.12
Butte, MT	PM ₁₀	Moderate	100	-	0.03	-0.03	-0.33
Canon City, CO	PM ₁₀	Maintenance	100	-	0.04	-0.04	-0.39
Canton-Massillon, OH	Ozone	Maintenance	100	-	-4.12	-7.89	-11.87
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-4.12	-7.89	-11.87
Case County, MI	Ozone	Maintenance	100	-	0.07	-0.07	-0.76
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.01	-0.01	-0.10
Charleston, WV	Ozone	Maintenance	100	-	0.43	-0.43	-4.60
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.43	-0.43	-4.60
Charlotte, NC	CO	Maintenance	100	-	1.30	-1.33	-14.10
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	2.88	-2.94	-31.13

Table B1-11
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Particulate Matter 2.5 (PM_{2.5}) 2040

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.89	-0.91	-9.62
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.81	-0.84	-8.84
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-67.96	-141.53	-249.61
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-67.55	-141.95	-254.04
Chico, CA	CO	Maintenance	100	-	0.22	-0.22	-2.36
Chico, CA	Ozone	Former Subpart 1	50	-	0.48	-0.49	-5.18
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	3.31	-3.37	-35.76
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	3.21	-3.27	-34.65
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.02	-0.02	-0.22
Clark County, NV	PM ₁₀	Serious	70	-	2.79	-2.85	-30.19
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.45	-0.46	-4.90
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.29	-0.30	-3.17
Cleveland, OH	CO	Maintenance	100	-	1.42	-1.45	-15.32
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	4.17	-4.25	-45.05
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	3.83	-3.90	-41.36
Coachella Valley, CA	PM ₁₀	Serious	70	-	1.24	-1.27	-13.41
Colbert County, AL	SO _x	Maintenance	100	-	0.09	-0.09	-0.97
Colorado Springs, CO	CO	Maintenance	100	-	1.06	-1.08	-11.50
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.01	-0.01	-0.11
Columbia, SC	Ozone	Former Subpart 1	50	-	1.09	-1.11	-11.79
Columbus, OH	Ozone	Maintenance	100	-	2.98	-3.03	-32.17
Columbus, OH	PM _{2.5}	Nonattainment	100	-	2.77	-2.82	-29.90
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	-0.02	-0.06
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	1.42	-1.45	-15.32
Cuyahoga County, OH	SO _x	Maintenance	100	-	1.18	-1.20	-12.74
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	12.58	-12.83	-135.97
Dayton-Springfield, OH	Ozone	Maintenance	100	-	1.33	-1.35	-14.35
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	1.17	-1.19	-12.64
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-29.74	-61.99	-109.50
Denver-Boulder, CO	CO	Maintenance	100	-	-29.97	-61.75	-106.98
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-28.64	-63.11	-121.36
Detroit, MI	CO	Maintenance	100	-	-24.27	-45.51	-65.65
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-27.66	-64.92	-135.71
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-27.81	-64.77	-134.16
Door County, WI	Ozone	Former Subpart 1	50	-	0.06	-0.07	-0.69
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.06	-0.06	-0.62
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.05	-0.05	-0.50
Duluth, MN	CO	Maintenance	100	-	0.13	-0.13	-1.38
Eagle River, AK	PM ₁₀	Moderate	100	-	0.02	-0.02	-0.17
East Chicago, IN	CO	Maintenance	100	-	0.00	-0.00	-0.02
East Chicago, IN	PM ₁₀	Maintenance	100	-	-62.99	-102.52	-97.56
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	-0.00	-0.02
El Paso County, TX	PM ₁₀	Moderate	100	-	-18.33	-31.78	-37.49
El Paso, TX	CO	Maintenance	100	-	0.05	-0.05	-0.56
Erie, PA	Ozone	Maintenance	100	-	0.36	-0.37	-3.93
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	-0.00	-0.03

Table B1-11
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Particulate Matter 2.5 (PM_{2.5}) 2040

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Eugene-Springfield, OR	CO	Maintenance	100	-	0.40	-0.40	-4.27
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.38	-0.39	-4.09
Evansville, IN	Ozone	Maintenance	100	-	0.42	-0.42	-4.50
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.53	-0.54	-5.74
Fairbanks, AK	CO	Maintenance	100	-	0.03	-0.03	-0.34
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.49	-0.50	-5.32
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.01	-0.01	-0.14
Flint, MI	Ozone	Maintenance	100	-	0.84	-0.86	-9.09
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.02
Fort Collins, CO	CO	Maintenance	100	-	0.32	-0.33	-3.48
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	0.61	-0.62	-6.59
Franklin County, PA	Ozone	Maintenance	100	-	0.26	-0.27	-2.81
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.22	-0.22	-2.37
Fredericksburg, VA	Ozone	Maintenance	100	-	0.76	-0.78	-8.26
Freehold, NJ	CO	Maintenance	100	-	0.03	-0.03	-0.36
Fresno, CA	CO	Maintenance	100	-	1.05	-1.08	-11.40
Grand Rapids, MI	Ozone	Maintenance	100	-	1.41	-1.44	-15.27
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.06	-0.06	-0.67
Grant County, NM	SO _x	Maintenance	100	-	0.00	-0.00	-0.04
Grants Pass, OR	CO	Maintenance	100	-	0.00	-0.00	-0.01
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.06	-0.06	-0.65
Great Falls, MT	CO	Maintenance	100	-	0.03	-0.03	-0.31
Greater Connecticut, CT	Ozone	Moderate	50	-	2.67	-2.72	-28.82
Greeley, CO	CO	Maintenance	100	-	0.22	-0.22	-2.34
Green Bay, WI	SO _x	Maintenance	100	-	0.21	-0.21	-2.25
Greene County, IN	Ozone	Maintenance	100	-	0.08	-0.08	-0.87
Greene County, PA	Ozone	Maintenance	100	-	0.07	-0.07	-0.79
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	2.67	-2.72	-28.86
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	1.31	-1.33	-14.13
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	1.44	-1.47	-15.59
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.04	-0.04	-0.40
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.19	-0.20	-2.09
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	1.48	-1.51	-15.99
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	1.36	-1.39	-14.74
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	1.70	-1.74	-18.41
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.02	-0.02	-0.20
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.07	-0.07	-0.78
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.01	-0.01	-0.09
Hazelwood, PA	SO _x	Maintenance	100	-	0.07	-0.07	-0.71
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.28	-0.29	-3.04
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.47	-0.48	-5.10
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	-0.00	-0.04
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-252.91	-433.74	-495.07
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	-0.00	-0.05
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-34.18	-56.41	-56.62
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-34.41	-56.18	-54.15
Huron County, MI	Ozone	Maintenance	100	-	0.05	-0.05	-0.49

Table B1-11
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Particulate Matter 2.5 (PM_{2.5}) 2040

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Imperial County, CA	Ozone	Moderate	50	-	0.40	-0.41	-4.37
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.40	-0.40	-4.28
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.05	-0.05	-0.58
Indianapolis, IN	CO	Maintenance	100	-	0.00	-0.00	-0.02
Indianapolis, IN	Ozone	Maintenance	100	-	3.45	-3.52	-37.31
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	2.74	-2.80	-29.64
Jackson County, IN	Ozone	Maintenance	100	-	0.13	-0.13	-1.39
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.25	-0.26	-2.73
Jefferson County, NY	Ozone	Moderate	50	-	0.20	-0.21	-2.20
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.01	-0.01	-0.12
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.35	-0.35	-3.75
Johnstown, PA	Ozone	Maintenance	100	-	0.14	-0.15	-1.56
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.16	-0.16	-1.71
Juneau, AK	PM ₁₀	Moderate	100	-	0.02	-0.02	-0.22
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.82	-0.84	-8.88
Kalispell, MT	PM ₁₀	Moderate	100	-	0.05	-0.05	-0.57
Kansas City, MO-KS	Ozone	Maintenance	100	-	2.88	-2.94	-31.13
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.25	-0.25	-2.69
Kent, WA	PM ₁₀	Maintenance	100	-	0.05	-0.05	-0.49
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.14	-0.14	-1.47
Kewaunee County, WI	Ozone	Maintenance	100	-	0.04	-0.04	-0.43
King County, WA	PM ₁₀	Maintenance	100	-	0.02	-0.02	-0.20
Klamath Falls, OR	CO	Maintenance	100	-	0.08	-0.08	-0.86
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.08	-0.08	-0.86
Knoxville, TN	Ozone	Former Subpart 1	50	-	2.12	-2.16	-22.90
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	1.62	-1.65	-17.47
La Porte County, IN	SO _x	Maintenance	100	-	0.05	-0.05	-0.58
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.02	-0.03	-0.27
Lake County, IN	SO _x	Maintenance	100	-	0.48	-0.49	-5.17
Lake County, OH	SO _x	Maintenance	100	-	0.06	-0.06	-0.62
Lake County, OR	PM ₁₀	Maintenance	100	-	0.01	-0.01	-0.10
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.06	-0.06	-0.66
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.13	-0.14	-1.44
Lake Tahoe, NV	CO	Maintenance	100	-	0.03	-0.03	-0.36
Lamar, CO	PM ₁₀	Maintenance	100	-	0.01	-0.01	-0.15
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.02
Lancaster, PA	Ozone	Maintenance	100	-	0.76	-0.78	-8.24
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.76	-0.78	-8.24
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.02
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.79	-0.81	-8.56
LaPorte, IN	Ozone	Maintenance	100	-	0.15	-0.15	-1.62
Las Vegas, NV	CO	Serious	100	-	2.79	-2.85	-30.19
Las Vegas, NV	Ozone	Former Subpart 1	50	-	2.83	-2.88	-30.56
Lauderdale County, AL	SO _x	Maintenance	100	-	0.14	-0.14	-1.50
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	-0.00	-0.03
Libby, MT	PM ₁₀	Moderate	100	-	0.01	-0.01	-0.07
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.01	-0.01	-0.10
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.02	-0.02	-0.22
Lima, OH	Ozone	Maintenance	100	-	-43.82	-71.18	-67.21

Table B1-11
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Particulate Matter 2.5 (PM_{2.5}) 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Longmont, CO	CO	Maintenance	100	-	0.17	-0.17	-1.81
Lorain County, OH	SO _x	Maintenance	100	-	0.08	-0.08	-0.83
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-97.83	-228.51	-475.00
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	-97.83	-228.51	-475.00
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-97.83	-228.51	-475.00
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-97.83	-228.51	-475.00
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-97.83	-228.51	-474.98
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	1.23	-1.25	-13.26
Louisville, KY-IN	Ozone	Maintenance	100	-	1.83	-1.87	-19.82
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	1.76	-1.79	-19.00
Lowell, MA	CO	Maintenance	100	-	0.20	-0.20	-2.13
Lucas County, OH	SO _x	Maintenance	100	-	0.47	-0.47	-5.03
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.08	-0.12	-1.07
Macon, GA	Ozone	Maintenance	100	-	0.32	-0.33	-3.49
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.32	-0.33	-3.45
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	-0.00	-0.05
Madison, WI	SO _x	Maintenance	100	-	0.45	-0.46	-4.83
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.02	-0.02	-0.22
Manchester, NH	CO	Maintenance	100	-	0.12	-0.12	-1.29
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.16	-0.17	-1.75
Marion County, IN	SO _x	Maintenance	100	-	0.49	-0.50	-5.33
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.22	-0.22	-2.36
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.53	-0.54	-5.75
Mason County, MI	Ozone	Maintenance	100	-	0.04	-0.05	-0.48
Medford, OR	CO	Maintenance	100	-	0.14	-0.15	-1.56
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.35	-0.35	-3.75
Memphis, TN-AR	Ozone	Maintenance	100	-	-11.99	-23.50	-37.17
Memphis, TN	CO	Maintenance	100	-	-12.11	-23.38	-35.87
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.05	-0.05	-0.58
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.01	-0.01	-0.09
Milwaukee, WI	SO _x	Maintenance	100	-	0.84	-0.86	-9.07
Milwaukee-Racine, WI	Ozone	Moderate	50	-	3.00	-3.05	-32.38
Minneapolis-St Paul, MN	CO	Maintenance	100	-	4.96	-5.05	-53.56
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	4.81	-4.91	-52.03
Missoula, MT	CO	Maintenance	100	-	0.11	-0.11	-1.14
Missoula, MT	PM ₁₀	Moderate	100	-	0.10	-0.10	-1.10
Modesto, CA	CO	Maintenance	100	-	0.59	-0.60	-6.32
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.20	-0.20	-2.15
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.03
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.01	-0.01	-0.06
Morristown, NJ	CO	Maintenance	100	-	0.06	-0.06	-0.65
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.05	-0.05	-0.49
Muncie, IN	Ozone	Maintenance	100	-	0.17	-0.18	-1.87
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.01	-0.01	-0.09
Muscatine County, IA	SO _x	Maintenance	100	-	0.03	-0.03	-0.28
Muskegon, MI	Ozone	Maintenance	100	-	0.22	-0.22	-2.34
Nashua, NH	CO	Maintenance	100	-	0.10	-0.10	-1.04
Nashville, TN	Ozone	Former Subpart 1	50	-	2.85	-2.91	-30.80
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.29	-0.30	-3.13

Table B1-11
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Particulate Matter 2.5 (PM_{2.5}) 2040

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.25	-0.26	-2.71
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	1.26	-1.29	-13.66
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.01	-0.01	-0.10
New York County, NY	PM ₁₀	Moderate	100	-	0.71	-0.72	-7.63
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-1.39	-35.87	-159.03
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	5.15	-56.62	-295.42
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	4.93	-56.40	-293.06
Nogales, AZ	PM ₁₀	Moderate	100	-	0.07	-0.07	-0.76
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-46.44	-81.77	-100.81
Ogden, UT	CO	Maintenance	100	-	0.11	-0.12	-1.23
Ogden, UT	PM ₁₀	Moderate	100	-	0.11	-0.12	-1.23
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.04
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.03	-0.03	-0.35
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.19	-0.20	-2.10
Owens Valley, CA	PM ₁₀	Serious	70	-	0.01	-0.01	-0.08
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.23	-0.24	-2.50
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.23	-0.24	-2.52
Payson, AZ	PM ₁₀	Maintenance	100	-	0.03	-0.04	-0.37
Penns Grove, NJ	CO	Maintenance	100	-	0.00	-0.00	-0.01
Peoria, IL	SO _x	Maintenance	100	-	0.15	-0.17	-1.71
Perth Amboy, NJ	CO	Maintenance	100	-	-5.11	-8.63	-9.40
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.60	-0.61	-6.44
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-68.75	-130.05	-191.25
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-65.49	-133.93	-229.04
Phoenix, AZ	CO	Maintenance	100	-	9.43	-9.70	-102.28
Phoenix, AZ	PM ₁₀	Serious	70	-	9.69	-9.96	-105.09
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	9.71	-9.99	-105.39
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.02	-0.02	-0.18
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.02
Pittsburgh, PA	CO	Maintenance	100	-	0.04	-0.05	-0.47
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	3.19	-3.30	-34.70
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	2.91	-3.02	-31.69
Polk County, TN	SO _x	Maintenance	100	-	0.03	-0.03	-0.37
Polson, MT	PM ₁₀	Moderate	100	-	0.01	-0.01	-0.06
Portland, ME	Ozone	Maintenance	100	-	0.93	-0.96	-10.13
Portland, OR	CO	Maintenance	100	-	1.63	-2.40	-21.06
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.07	-0.07	-0.76
Poughkeepsie, NY	Ozone	Moderate	50	-	2.48	-2.53	-26.81
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.01	-0.01	-0.15
Providence (entire State), RI	Ozone	Moderate	50	-	1.68	-1.71	-18.11
Provo, UT	CO	Maintenance	100	-	0.30	-0.30	-3.20
Raleigh-Durham, NC	CO	Maintenance	100	-	2.33	-2.37	-25.16
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	3.16	-3.23	-34.19
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.03
Reading, PA	Ozone	Maintenance	100	-	0.55	-0.56	-5.92
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.55	-0.56	-5.92
Reno, NV	CO	Maintenance	100	-	0.41	-0.42	-4.41
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	-0.00	-0.02

Table B1-11
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Particulate Matter 2.5 (PM_{2.5}) 2040

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	1.95	-2.19	-22.04
Rillito, AZ	PM ₁₀	Moderate	100	-	0.09	-0.09	-0.99
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	1.24	-1.27	-13.41
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.42	-0.43	-4.55
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.14	-0.14	-1.49
Rochester, NY	Ozone	Former Subpart 1	50	-	2.20	-2.25	-23.83
Rocky Mount, NC	Ozone	Maintenance	100	-	0.30	-0.30	-3.21
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.20	-0.20	-2.12
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.02
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	-0.00	-0.04
Sacramento County, CA	PM ₁₀	Moderate	100	-	2.84	-2.89	-30.64
Sacramento Metro, CA	Ozone	Severe	25	-	5.20	-5.30	-56.21
Sacramento, CA	CO	Maintenance	100	-	3.19	-3.25	-34.45
Salem, OR	CO	Maintenance	100	-	0.21	-0.22	-2.30
Salt Lake City, UT	CO	Maintenance	100	-	-11.89	-20.15	-22.15
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-10.49	-21.57	-37.23
Salt Lake County, UT	SO _x	Nonattainment	100	-	1.76	-1.80	-19.03
San Antonio, TX	Ozone	Former Subpart 1	50	-	3.22	-3.29	-34.84
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.76	-0.78	-8.23
San Diego, CA	CO	Maintenance	100	-	7.71	-7.86	-83.30
San Diego, CA	Ozone	Former Subpart 1	50	-	7.72	-7.87	-83.45
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-89.90	-175.11	-273.68
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-88.44	-176.59	-289.38
San Joaquin Valley, CA	Ozone	Extreme	10	-	7.63	-10.19	-93.67
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	7.65	-10.21	-93.95
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	7.63	-10.19	-93.67
San Manual (Pinal County), AZ	SO _x	Maintenance	100	-	0.06	-0.06	-0.66
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	1.10	-1.12	-11.91
Seattle-Tacoma, WA	CO	Maintenance	100	-	5.22	-5.32	-56.40
Sheboygan, WI	Ozone	Moderate	50	-	0.20	-0.21	-2.19
Sheridan, WY	PM ₁₀	Moderate	100	-	0.04	-0.04	-0.38
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.03	-0.03	-0.32
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.75	-0.76	-8.05
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.21	-0.31	-2.71
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.52	-0.53	-5.58
Spokane, WA	CO	Maintenance	100	-	0.51	-0.52	-5.52
Springfield (western MA), MA	Ozone	Moderate	50	-	1.47	-1.50	-15.90
Springfield, MA	CO	Maintenance	100	-	0.25	-0.25	-2.65
St Louis, MO	CO	Maintenance	100	-	1.35	-1.38	-14.63
St Louis, MO-IL	Ozone	Moderate	50	-	-192.29	-322.74	-343.55
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-192.32	-322.71	-343.22
State College, PA	Ozone	Maintenance	100	-	0.30	-0.30	-3.23
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.04	-0.04	-0.39
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.06	-0.07	-0.70
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.20	-0.70	-2.08
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.20	-0.70	-2.08

Table B1-11
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Particulate Matter 2.5 (PM_{2.5}) 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Stockton, CA	CO	Maintenance	100	-	0.88	-0.90	-9.55
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.82	-0.84	-8.87
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.03
Terre Haute, IN	Ozone	Maintenance	100	-	0.20	-0.20	-2.14
Tioga County, PA	Ozone	Maintenance	100	-	0.09	-0.09	-0.95
Toledo, OH	Ozone	Maintenance	100	-	-44.94	-74.82	-77.47
Toms River, NJ	CO	Maintenance	100	-	0.18	-0.19	-1.96
Tooele County, UT	SO _x	Nonattainment	100	-	0.17	-0.18	-1.87
Trenton, NJ	CO	Maintenance	100	-	0.15	-0.15	-1.61
Trona, CA	PM ₁₀	Moderate	100	-	0.01	-0.01	-0.06
Tucson, AZ	CO	Maintenance	100	-	1.76	-1.80	-19.06
Utah County, UT	PM ₁₀	Moderate	100	-	0.86	-0.88	-9.30
Vancouver, WA	CO	Maintenance	100	-	0.57	-0.58	-6.19
Ventura County, CA	Ozone	Serious	50	-	1.51	-1.69	-17.06
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.01	-0.01	-0.12
Vigo County, IN	SO _x	Maintenance	100	-	0.20	-0.20	-2.14
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.09	-0.09	-1.00
Warren County, NJ	SO _x	Maintenance	100	-	0.06	-0.06	-0.65
Warren County, PA	SO _x	Nonattainment	100	-	-0.01	-0.08	-0.28
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.35	-0.35	-3.75
Washington, DC-MD-VA	CO	Maintenance	100	-	2.65	-2.70	-28.65
Washington, DC-MD-VA	Ozone	Moderate	50	-	9.49	-9.67	-102.54
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	9.28	-9.46	-100.27
Washoe County, NV	PM ₁₀	Serious	70	-	0.41	-0.42	-4.41
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.01	-0.01	-0.07
Wayne County, IN	SO _x	Maintenance	100	-	0.11	-0.11	-1.16
Wayne County, MI	PM ₁₀	Maintenance	100	-	-20.82	-33.97	-32.64
Weirton, WV	PM ₁₀	Maintenance	100	-	0.01	-0.01	-0.15
Weirton, WV	SO _x	Maintenance	100	-	0.02	-0.02	-0.19
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.22	-0.23	-2.42
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.22	-0.23	-2.42
Winston-Salem, NC	CO	Maintenance	100	-	0.69	-0.70	-7.46
Worcester, MA	CO	Maintenance	100	-	0.39	-0.39	-4.18
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.16	-0.16	-1.71
Yakima, WA	CO	Maintenance	100	-	0.07	-0.07	-0.77
York, PA	Ozone	Maintenance	100	-	0.77	-0.78	-8.27
York, PA	PM _{2.5}	Nonattainment	100	-	0.59	-0.60	-6.41
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.98	-1.00	-10.58
Yuma, AZ	PM ₁₀	Moderate	100	-	0.34	-0.34	-3.64

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

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

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

Source: EPA, 2008.

Table B1-12
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	-0.01	-0.05
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	-0.02	-0.12
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	-0.02	-0.13
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.83	-6.45	-37.25
Albuquerque, NM	CO	Maintenance	100	-	0.37	-2.90	-16.75
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.11	-0.82	-4.72
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.38	-2.96	-17.11
Altoona, PA	Ozone	Maintenance	100	-	0.06	-0.44	-2.54
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.15	-1.17	-6.74
Anchorage, AK	CO	Maintenance	100	-	0.10	-0.79	-4.54
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	-0.04	-0.21
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	-0.02	-0.14
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	-0.04	-0.22
Atlanta, GA	Ozone	Moderate	50	-	4.70	-36.54	-210.85
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	4.71	-36.55	-210.92
Atlantic City, NJ	CO	Maintenance	100	-	0.03	-0.24	-1.38
Bakersfield, CA	CO	Maintenance	100	-	-0.25	-3.51	-15.13
Baltimore, MD	CO	Maintenance	100	-	0.01	-0.05	-0.27
Baltimore, MD	Ozone	Moderate	50	-	2.03	-15.75	-90.87
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	2.03	-15.75	-90.87
Baton Rouge, LA	Ozone	Moderate	50	-	-33.04	-65.68	-75.80
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-106.47	-199.60	-186.08
Benton County, TN	SO _x	Maintenance	100	-	0.00	-0.00	-0.03
Benton Harbor, MI	Ozone	Maintenance	100	-	0.10	-0.75	-4.31
Benzie County, MI	Ozone	Maintenance	100	-	0.02	-0.14	-0.81
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.10	-0.78	-4.49
Billings, MT	CO	Maintenance	100	-	-17.69	-33.23	-31.25
Birmingham, AL	Ozone	Maintenance	100	-	-0.97	-7.67	-29.92
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-0.97	-7.68	-30.02
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.23	-1.76	-10.15
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.23	-1.76	-10.15
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.01	-0.10	-0.59
Boston, MA	CO	Maintenance	100	-	0.53	-4.14	-23.88
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	3.30	-25.67	-148.12
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.44	-3.43	-19.77
Boyd County (part), KY	SO _x	Maintenance	100	-	0.01	-0.04	-0.25
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.70	-5.47	-31.57
Burlington, NJ	CO	Maintenance	100	-	0.00	-0.02	-0.13
Butte, MT	PM ₁₀	Moderate	100	-	0.01	-0.08	-0.47
Canon City, CO	PM ₁₀	Maintenance	100	-	0.02	-0.12	-0.68
Canton-Massillon, OH	Ozone	Maintenance	100	-	-2.68	-6.61	-12.36
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-2.68	-6.61	-12.36
Case County, MI	Ozone	Maintenance	100	-	0.03	-0.20	-1.18
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.02
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	-0.02	-0.14
Charleston, WV	Ozone	Maintenance	100	-	0.15	-1.17	-6.75
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.15	-1.17	-6.75
Charlotte, NC	CO	Maintenance	100	-	0.52	-4.07	-23.50
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	1.15	-8.90	-51.34

Table B1-12
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.33	-2.59	-14.95
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.31	-2.40	-13.85
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-44.93	-128.79	-293.75
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-44.77	-130.03	-300.90
Chico, CA	CO	Maintenance	100	-	0.10	-0.75	-4.35
Chico, CA	Ozone	Former Subpart 1	50	-	0.20	-1.58	-9.12
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	1.27	-9.88	-57.01
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	1.23	-9.56	-55.17
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.01	-0.05	-0.29
Clark County, NV	PM ₁₀	Serious	70	-	1.16	-9.04	-52.18
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.18	-1.40	-8.07
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.11	-0.85	-4.92
Cleveland, OH	CO	Maintenance	100	-	0.50	-3.84	-22.19
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	1.55	-12.07	-69.63
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	1.42	-11.03	-63.67
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.53	-4.14	-23.87
Colbert County, AL	SO _x	Maintenance	100	-	0.03	-0.24	-1.40
Colorado Springs, CO	CO	Maintenance	100	-	0.43	-3.36	-19.41
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	-0.03	-0.19
Columbia, SC	Ozone	Former Subpart 1	50	-	0.42	-3.28	-18.90
Columbus, OH	Ozone	Maintenance	100	-	1.20	-9.28	-53.58
Columbus, OH	PM _{2.5}	Nonattainment	100	-	1.11	-8.65	-49.90
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	-0.02	-0.07
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.50	-3.84	-22.19
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.43	-3.31	-19.13
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	5.13	-39.81	-229.76
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.49	-3.78	-21.80
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.43	-3.32	-19.14
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-19.60	-56.96	-131.88
Denver-Boulder, CO	CO	Maintenance	100	-	-19.70	-56.22	-127.62
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-19.16	-60.41	-151.78
Detroit, MI	CO	Maintenance	100	-	-16.74	-38.46	-63.41
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-18.97	-63.43	-167.75
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-19.03	-63.01	-165.27
Door County, WI	Ozone	Former Subpart 1	50	-	0.03	-0.20	-1.14
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.02	-0.16	-0.94
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.02	-0.13	-0.78
Duluth, MN	CO	Maintenance	100	-	0.05	-0.36	-2.07
Eagle River, AK	PM ₁₀	Moderate	100	-	0.01	-0.05	-0.29
East Chicago, IN	CO	Maintenance	100	-	0.00	-0.00	-0.03
East Chicago, IN	PM ₁₀	Maintenance	100	-	-39.16	-73.74	-70.02
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	-0.01	-0.03
El Paso County, TX	PM ₁₀	Moderate	100	-	-11.56	-24.57	-34.21
El Paso, TX	CO	Maintenance	100	-	0.02	-0.15	-0.87
Erie, PA	Ozone	Maintenance	100	-	0.13	-1.04	-6.00
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	-0.01	-0.05

Table B1-12
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Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Eugene-Springfield, OR	CO	Maintenance	100	-	0.16	-1.21	-6.97
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.15	-1.16	-6.70
Evansville, IN	Ozone	Maintenance	100	-	0.16	-1.22	-7.05
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.20	-1.54	-8.89
Fairbanks, AK	CO	Maintenance	100	-	0.01	-0.10	-0.57
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.19	-1.46	-8.44
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.01	-0.04	-0.24
Flint, MI	Ozone	Maintenance	100	-	0.31	-2.44	-14.05
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.02
Fort Collins, CO	CO	Maintenance	100	-	0.13	-1.02	-5.91
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.02
Fort Wayne, IN	Ozone	Maintenance	100	-	0.23	-1.82	-10.48
Franklin County, PA	Ozone	Maintenance	100	-	0.10	-0.79	-4.55
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.02
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.08	-0.65	-3.78
Fredericksburg, VA	Ozone	Maintenance	100	-	0.32	-2.46	-14.19
Freehold, NJ	CO	Maintenance	100	-	0.01	-0.11	-0.66
Fresno, CA	CO	Maintenance	100	-	0.42	-3.29	-18.99
Grand Rapids, MI	Ozone	Maintenance	100	-	0.56	-4.35	-25.08
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.02	-0.17	-0.97
Grant County, NM	SO _x	Maintenance	100	-	0.00	-0.01	-0.06
Grants Pass, OR	CO	Maintenance	100	-	0.00	-0.00	-0.02
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.02	-0.19	-1.12
Great Falls, MT	CO	Maintenance	100	-	0.01	-0.07	-0.43
Greater Connecticut, CT	Ozone	Moderate	50	-	1.00	-7.73	-44.61
Greeley, CO	CO	Maintenance	100	-	0.09	-0.67	-3.87
Green Bay, WI	SO _x	Maintenance	100	-	0.08	-0.62	-3.59
Greene County, IN	Ozone	Maintenance	100	-	0.03	-0.24	-1.38
Greene County, PA	Ozone	Maintenance	100	-	0.03	-0.21	-1.21
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	1.01	-7.84	-45.24
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.49	-3.81	-21.96
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.53	-4.15	-23.92
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.01	-0.11	-0.62
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.07	-0.57	-3.31
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.58	-4.53	-26.14
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.54	-4.17	-24.09
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.63	-4.87	-28.11
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.01	-0.06	-0.34
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.03	-0.23	-1.34
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	-0.02	-0.14
Hazelwood, PA	SO _x	Maintenance	100	-	0.03	-0.20	-1.15
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.10	-0.79	-4.59
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.18	-1.36	-7.85
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	-0.01	-0.06
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-159.07	-331.70	-439.70
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	-0.01	-0.08
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-21.32	-41.19	-43.13
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-21.41	-40.52	-39.28
Huron County, MI	Ozone	Maintenance	100	-	0.02	-0.13	-0.74

Table B1-12
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Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Imperial County, CA	Ozone	Moderate	50	-	0.17	-1.30	-7.51
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.16	-1.28	-7.36
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.02	-0.15	-0.88
Indianapolis, IN	CO	Maintenance	100	-	0.00	-0.00	-0.02
Indianapolis, IN	Ozone	Maintenance	100	-	1.36	-10.54	-60.81
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	1.08	-8.39	-48.39
Jackson County, IN	Ozone	Maintenance	100	-	0.05	-0.37	-2.16
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.09	-0.73	-4.23
Jefferson County, NY	Ozone	Moderate	50	-	0.08	-0.60	-3.44
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	-0.03	-0.16
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.13	-1.00	-5.75
Johnstown, PA	Ozone	Maintenance	100	-	0.05	-0.36	-2.10
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.05	-0.40	-2.32
Juneau, AK	PM ₁₀	Moderate	100	-	0.01	-0.07	-0.40
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.31	-2.39	-13.81
Kalispell, MT	PM ₁₀	Moderate	100	-	0.02	-0.17	-0.97
Kansas City, MO-KS	Ozone	Maintenance	100	-	1.14	-8.81	-50.87
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.10	-0.77	-4.42
Kent, WA	PM ₁₀	Maintenance	100	-	0.02	-0.15	-0.85
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.05	-0.40	-2.29
Kewaunee County, WI	Ozone	Maintenance	100	-	0.01	-0.11	-0.66
King County, WA	PM ₁₀	Maintenance	100	-	0.01	-0.06	-0.33
Klamath Falls, OR	CO	Maintenance	100	-	0.03	-0.23	-1.32
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.03	-0.23	-1.32
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.86	-6.65	-38.36
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.65	-5.01	-28.93
La Porte County, IN	SO _x	Maintenance	100	-	0.02	-0.15	-0.86
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.01	-0.07	-0.42
Lake County, IN	SO _x	Maintenance	100	-	0.17	-1.34	-7.75
Lake County, OH	SO _x	Maintenance	100	-	0.02	-0.17	-0.96
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	-0.03	-0.16
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.03	-0.21	-1.22
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.06	-0.48	-2.77
Lake Tahoe, NV	CO	Maintenance	100	-	0.01	-0.10	-0.56
Lamar, CO	PM ₁₀	Maintenance	100	-	0.01	-0.04	-0.24
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	-0.01	-0.03
Lancaster, PA	Ozone	Maintenance	100	-	0.30	-2.30	-13.25
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.30	-2.30	-13.25
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	-0.01	-0.03
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.30	-2.34	-13.53
LaPorte, IN	Ozone	Maintenance	100	-	0.05	-0.42	-2.40
Las Vegas, NV	CO	Serious	100	-	1.16	-9.04	-52.18
Las Vegas, NV	Ozone	Former Subpart 1	50	-	1.18	-9.13	-52.72
Lauderdale County, AL	SO _x	Maintenance	100	-	0.05	-0.39	-2.26
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	-0.01	-0.05
Libby, MT	PM ₁₀	Moderate	100	-	0.00	-0.02	-0.11
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	-0.02	-0.14
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.01	-0.05	-0.29
Lima, OH	Ozone	Maintenance	100	-	-27.23	-51.08	-47.78

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Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Longmont, CO	CO	Maintenance	100	-	0.07	-0.55	-3.15
Lorain County, OH	SO _x	Maintenance	100	-	0.03	-0.23	-1.31
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-66.61	-226.49	-607.19
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	-66.61	-226.49	-607.19
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-66.61	-226.49	-607.19
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-66.61	-226.49	-607.20
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-66.61	-226.49	-607.17
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.49	-3.84	-22.15
Louisville, KY-IN	Ozone	Maintenance	100	-	0.69	-5.33	-30.74
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.65	-5.06	-29.23
Lowell, MA	CO	Maintenance	100	-	0.08	-0.62	-3.56
Lucas County, OH	SO _x	Maintenance	100	-	0.17	-1.30	-7.50
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.03	-0.29	-1.58
Macon, GA	Ozone	Maintenance	100	-	0.11	-0.89	-5.14
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.11	-0.88	-5.07
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	-0.01	-0.07
Madison, WI	SO _x	Maintenance	100	-	0.18	-1.43	-8.25
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.01	-0.07	-0.43
Manchester, NH	CO	Maintenance	100	-	0.04	-0.32	-1.83
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.06	-0.46	-2.68
Marion County, IN	SO _x	Maintenance	100	-	0.18	-1.39	-8.02
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.09	-0.73	-4.19
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.20	-1.58	-9.13
Mason County, MI	Ozone	Maintenance	100	-	0.02	-0.13	-0.77
Medford, OR	CO	Maintenance	100	-	0.06	-0.47	-2.71
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.15	-1.13	-6.53
Memphis, TN-AR	Ozone	Maintenance	100	-	-7.84	-20.05	-39.54
Memphis, TN	CO	Maintenance	100	-	-7.88	-19.73	-37.68
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.02	-0.17	-0.99
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	-0.02	-0.12
Milwaukee, WI	SO _x	Maintenance	100	-	0.31	-2.41	-13.88
Milwaukee-Racine, WI	Ozone	Moderate	50	-	1.16	-8.97	-51.79
Minneapolis-St Paul, MN	CO	Maintenance	100	-	1.95	-15.11	-87.19
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	1.89	-14.67	-84.64
Missoula, MT	CO	Maintenance	100	-	0.04	-0.32	-1.84
Missoula, MT	PM ₁₀	Moderate	100	-	0.04	-0.31	-1.78
Modesto, CA	CO	Maintenance	100	-	0.24	-1.90	-10.96
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.08	-0.66	-3.79
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	-0.01	-0.05
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	-0.02	-0.09
Morristown, NJ	CO	Maintenance	100	-	0.03	-0.20	-1.16
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.02	-0.13	-0.73
Muncie, IN	Ozone	Maintenance	100	-	0.06	-0.46	-2.66
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	-0.03	-0.17
Muscatine County, IA	SO _x	Maintenance	100	-	0.01	-0.08	-0.45
Muskegon, MI	Ozone	Maintenance	100	-	0.08	-0.65	-3.74
Nashua, NH	CO	Maintenance	100	-	0.03	-0.26	-1.50
Nashville, TN	Ozone	Former Subpart 1	50	-	1.13	-8.77	-50.62
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.13	-1.00	-5.77

Table B1-12
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.10	-0.81	-4.69
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.47	-3.63	-20.96
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	-0.03	-0.15
New York County, NY	PM ₁₀	Moderate	100	-	0.25	-1.96	-11.29
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-3.99	-53.53	-229.42
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-2.71	-95.39	-440.94
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-2.79	-94.71	-437.05
Nogales, AZ	PM ₁₀	Moderate	100	-	0.03	-0.21	-1.24
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-29.43	-63.99	-94.01
Ogden, UT	CO	Maintenance	100	-	0.04	-0.33	-1.89
Ogden, UT	PM ₁₀	Moderate	100	-	0.04	-0.33	-1.89
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	-0.01	-0.05
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.01	-0.09	-0.50
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.08	-0.61	-3.54
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	-0.03	-0.17
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.01
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.09	-0.66	-3.81
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.09	-0.67	-3.84
Payson, AZ	PM ₁₀	Maintenance	100	-	0.01	-0.11	-0.62
Penns Grove, NJ	CO	Maintenance	100	-	0.00	-0.00	-0.01
Peoria, IL	SO _x	Maintenance	100	-	0.06	-0.45	-2.57
Perth Amboy, NJ	CO	Maintenance	100	-	-3.19	-6.54	-8.24
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.21	-1.63	-9.40
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-44.42	-108.56	-199.78
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-43.21	-119.08	-259.41
Phoenix, AZ	CO	Maintenance	100	-	4.13	-32.29	-186.18
Phoenix, AZ	PM ₁₀	Serious	70	-	4.24	-33.11	-190.91
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	4.25	-33.19	-191.38
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.01	-0.04	-0.26
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.02
Pittsburgh, PA	CO	Maintenance	100	-	0.02	-0.16	-0.92
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	1.17	-9.22	-53.09
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	1.07	-8.42	-48.47
Polk County, TN	SO _x	Maintenance	100	-	0.01	-0.10	-0.57
Polson, MT	PM ₁₀	Moderate	100	-	0.00	-0.02	-0.10
Portland, ME	Ozone	Maintenance	100	-	0.36	-2.78	-16.04
Portland, OR	CO	Maintenance	100	-	0.55	-5.94	-32.69
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.03	-0.20	-1.17
Poughkeepsie, NY	Ozone	Moderate	50	-	1.02	-7.90	-45.56
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.01	-0.04	-0.23
Providence (entire State), RI	Ozone	Moderate	50	-	0.65	-5.07	-29.26
Provo, UT	CO	Maintenance	100	-	0.12	-0.94	-5.44
Raleigh-Durham, NC	CO	Maintenance	100	-	0.94	-7.31	-42.18
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	1.28	-9.91	-57.18
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	-0.01	-0.04
Reading, PA	Ozone	Maintenance	100	-	0.21	-1.61	-9.28
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.21	-1.61	-9.28
Reno, NV	CO	Maintenance	100	-	0.16	-1.21	-7.00
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	-0.01	-0.04

Table B1-12
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.73	-6.08	-34.68
Rillito, AZ	PM ₁₀	Moderate	100	-	0.04	-0.30	-1.74
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.53	-4.14	-23.87
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.16	-1.21	-6.98
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.05	-0.42	-2.42
Rochester, NY	Ozone	Former Subpart 1	50	-	0.83	-6.48	-37.42
Rocky Mount, NC	Ozone	Maintenance	100	-	0.11	-0.85	-4.90
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.07	-0.57	-3.29
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	-0.01	-0.04
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	-0.01	-0.06
Sacramento County, CA	PM ₁₀	Moderate	100	-	1.20	-9.31	-53.70
Sacramento Metro, CA	Ozone	Severe	25	-	2.22	-17.27	-99.65
Sacramento, CA	CO	Maintenance	100	-	1.35	-10.47	-60.44
Salem, OR	CO	Maintenance	100	-	0.08	-0.62	-3.56
Salt Lake City, UT	CO	Maintenance	100	-	-7.46	-15.21	-18.96
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-6.91	-19.44	-43.36
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.69	-5.35	-30.86
San Antonio, TX	Ozone	Former Subpart 1	50	-	1.28	-9.90	-57.15
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.30	-2.33	-13.46
San Diego, CA	CO	Maintenance	100	-	3.21	-24.91	-143.75
San Diego, CA	Ozone	Former Subpart 1	50	-	3.21	-24.96	-144.03
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-58.23	-152.25	-309.90
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-57.67	-156.61	-335.02
San Joaquin Valley, CA	Ozone	Extreme	10	-	3.02	-28.90	-161.64
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	3.03	-28.96	-161.99
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	3.02	-28.90	-161.64
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.03	-0.20	-1.13
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.02
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.42	-3.24	-18.71
Seattle-Tacoma, WA	CO	Maintenance	100	-	2.07	-16.10	-92.92
Sheboygan, WI	Ozone	Moderate	50	-	0.08	-0.61	-3.55
Sheridan, WY	PM ₁₀	Moderate	100	-	0.01	-0.10	-0.59
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.01	-0.09	-0.52
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.28	-2.19	-12.65
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.06	-0.62	-3.41
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.20	-1.59	-9.15
Spokane, WA	CO	Maintenance	100	-	0.20	-1.57	-9.04
Springfield (western MA), MA	Ozone	Moderate	50	-	0.56	-4.33	-24.97
Springfield, MA	CO	Maintenance	100	-	0.10	-0.76	-4.39
St Louis, MO	CO	Maintenance	100	-	0.46	-3.58	-20.68
St Louis, MO-IL	Ozone	Moderate	50	-	-120.46	-239.97	-278.82
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-120.47	-239.88	-278.30
State College, PA	Ozone	Maintenance	100	-	0.12	-0.92	-5.34
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.02	-0.12	-0.70
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.02	-0.18	-1.02
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.16	-0.79	-2.63
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.16	-0.79	-2.63

Table B1-12
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Stockton, CA	CO	Maintenance	100	-	0.38	-2.95	-17.03
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.30	-2.35	-13.56
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	-0.01	-0.07
Terre Haute, IN	Ozone	Maintenance	100	-	0.07	-0.54	-3.09
Tioga County, PA	Ozone	Maintenance	100	-	0.03	-0.24	-1.41
Toledo, OH	Ozone	Maintenance	100	-	-28.09	-55.16	-61.13
Toms River, NJ	CO	Maintenance	100	-	0.08	-0.59	-3.40
Tooele County, UT	SO _x	Nonattainment	100	-	0.07	-0.53	-3.03
Trenton, NJ	CO	Maintenance	100	-	0.06	-0.45	-2.59
Trona, CA	PM ₁₀	Moderate	100	-	0.00	-0.02	-0.11
Tucson, AZ	CO	Maintenance	100	-	0.71	-5.52	-31.83
Utah County, UT	PM ₁₀	Moderate	100	-	0.35	-2.69	-15.54
Vancouver, WA	CO	Maintenance	100	-	0.24	-1.84	-10.60
Ventura County, CA	Ozone	Serious	50	-	0.62	-5.17	-29.50
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	-0.03	-0.17
Vigo County, IN	SO _x	Maintenance	100	-	0.07	-0.54	-3.09
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.03	-0.27	-1.57
Warren County, NJ	SO _x	Maintenance	100	-	0.02	-0.18	-1.05
Warren County, PA	SO _x	Nonattainment	100	-	-0.02	-0.10	-0.37
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.13	-1.01	-5.85
Washington, DC-MD-VA	CO	Maintenance	100	-	1.06	-8.22	-47.45
Washington, DC-MD-VA	Ozone	Moderate	50	-	3.79	-29.46	-170.02
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	3.71	-28.78	-166.08
Washoe County, NV	PM ₁₀	Serious	70	-	0.16	-1.21	-7.00
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	-0.02	-0.11
Wayne County, IN	SO _x	Maintenance	100	-	0.04	-0.29	-1.65
Wayne County, MI	PM ₁₀	Maintenance	100	-	-13.47	-25.72	-25.81
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	-0.03	-0.17
Weirton, WV	SO _x	Maintenance	100	-	0.01	-0.04	-0.24
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.08	-0.60	-3.46
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.08	-0.60	-3.46
Winston-Salem, NC	CO	Maintenance	100	-	0.27	-2.06	-11.91
Worcester, MA	CO	Maintenance	100	-	0.16	-1.23	-7.09
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.06	-0.47	-2.74
Yakima, WA	CO	Maintenance	100	-	0.03	-0.23	-1.35
York, PA	Ozone	Maintenance	100	-	0.30	-2.33	-13.47
York, PA	PM _{2.5}	Nonattainment	100	-	0.23	-1.81	-10.42
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.35	-2.69	-15.53
Yuma, AZ	PM ₁₀	Moderate	100	-	0.14	-1.07	-6.19

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

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

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

Source: EPA, 2008.

Table B1-13
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Sulfur Dioxide (SO₂) 2021

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.00	-0.01	-0.01
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.02
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.01	-0.01	-0.02
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-2.18	-3.24	-7.16
Albuquerque, NM	CO	Maintenance	100	-	-1.01	-1.50	-3.31
Allegan County, MI	Ozone	Former Subpart 1	50	-	-0.24	-0.36	-0.80
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-1.01	-1.50	-3.33
Altoona, PA	Ozone	Maintenance	100	-	-0.19	-0.28	-0.62
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-0.26	-0.39	-0.86
Anchorage, AK	CO	Maintenance	100	-	-0.24	-0.35	-0.78
Anthony, NM	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.04
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.01	-0.01	-0.03
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.04
Atlanta, GA	Ozone	Moderate	50	-	-11.25	-16.71	-36.93
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-11.25	-16.72	-36.96
Atlantic City, NJ	CO	Maintenance	100	-	-0.09	-0.13	-0.29
Bakersfield, CA	CO	Maintenance	100	-	-3.13	-4.55	-7.92
Baltimore, MD	CO	Maintenance	100	-	-0.02	-0.03	-0.06
Baltimore, MD	Ozone	Moderate	50	-	-5.06	-7.51	-16.60
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-5.06	-7.51	-16.60
Baton Rouge, LA	Ozone	Moderate	50	-	-27.04	-39.07	-63.34
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-359.46	-518.82	-826.91
Benton County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Benton Harbor, MI	Ozone	Maintenance	100	-	-0.32	-0.47	-1.04
Benzie County, MI	Ozone	Maintenance	100	-	-0.04	-0.06	-0.12
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-0.25	-0.37	-0.81
Billings, MT	CO	Maintenance	100	-	-51.09	-73.74	-117.55
Birmingham, AL	Ozone	Maintenance	100	-	-1.81	-2.69	-5.89
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-1.82	-2.69	-5.90
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-0.55	-0.81	-1.80
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-0.55	-0.81	-1.80
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.03	-0.04	-0.09
Boston, MA	CO	Maintenance	100	-	-1.47	-2.18	-4.82
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-8.71	-12.94	-28.61
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-1.10	-1.63	-3.61
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.02	-0.03	-0.06
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-1.99	-2.95	-6.53
Burlington, NJ	CO	Maintenance	100	-	-0.01	-0.02	-0.05
Butte, MT	PM ₁₀	Moderate	100	-	-0.04	-0.05	-0.12
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.03	-0.05	-0.11
Canton-Massillon, OH	Ozone	Maintenance	100	-	-2.89	-4.19	-7.15
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-2.89	-4.19	-7.15
Case County, MI	Ozone	Maintenance	100	-	-0.08	-0.11	-0.25
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.01	-0.02	-0.04
Charleston, WV	Ozone	Maintenance	100	-	-0.49	-0.72	-1.59
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-0.49	-0.72	-1.59
Charlotte, NC	CO	Maintenance	100	-	-1.23	-1.83	-4.05
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-2.77	-4.12	-9.10

Table B1-13
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Sulfur Dioxide (SO₂) 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-0.94	-1.40	-3.10
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-0.86	-1.27	-2.81
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-245.24	-354.44	-575.47
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-245.64	-355.05	-576.81
Chico, CA	CO	Maintenance	100	-	-0.17	-0.26	-0.57
Chico, CA	Ozone	Former Subpart 1	50	-	-0.41	-0.61	-1.34
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-3.36	-5.00	-11.05
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-3.27	-4.86	-10.73
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.02	-0.04	-0.08
Clark County, NV	PM ₁₀	Serious	70	-	-2.47	-3.67	-8.11
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-0.44	-0.65	-1.43
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-0.31	-0.46	-1.02
Cleveland, OH	CO	Maintenance	100	-	-1.65	-2.45	-5.42
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-4.44	-6.60	-14.60
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-4.10	-6.10	-13.48
Coachella Valley, CA	PM ₁₀	Serious	70	-	-1.03	-1.54	-3.40
Colbert County, AL	SO _x	Maintenance	100	-	-0.11	-0.16	-0.35
Colorado Springs, CO	CO	Maintenance	100	-	-0.98	-1.46	-3.23
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.03
Columbia, SC	Ozone	Former Subpart 1	50	-	-1.11	-1.65	-3.65
Columbus, OH	Ozone	Maintenance	100	-	-2.82	-4.18	-9.25
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-2.61	-3.88	-8.57
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.01	-0.01	-0.02
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-1.65	-2.45	-5.42
Cuyahoga County, OH	SO _x	Maintenance	100	-	-1.34	-2.00	-4.41
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-11.60	-17.23	-38.09
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-1.45	-2.16	-4.77
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-1.28	-1.91	-4.22
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-31.01	-44.97	-76.20
Denver-Boulder, CO	CO	Maintenance	100	-	-30.80	-44.65	-75.49
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-32.04	-46.49	-79.57
Detroit, MI	CO	Maintenance	100	-	-11.41	-16.59	-28.97
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-19.66	-28.71	-53.00
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-19.52	-28.50	-52.51
Door County, WI	Ozone	Former Subpart 1	50	-	-0.06	-0.09	-0.20
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-0.06	-0.09	-0.20
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-0.05	-0.07	-0.16
Duluth, MN	CO	Maintenance	100	-	-0.14	-0.21	-0.47
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.05
East Chicago, IN	CO	Maintenance	100	-	-0.00	-0.00	-0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	-60.76	-87.71	-140.01
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.01
El Paso County, TX	PM ₁₀	Moderate	100	-	-7.76	-11.23	-18.64
El Paso, TX	CO	Maintenance	100	-	-0.05	-0.08	-0.18
Erie, PA	Ozone	Maintenance	100	-	-0.40	-0.59	-1.30
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.01

Table B1-13
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Sulfur Dioxide (SO₂) 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Eugene-Springfield, OR	CO	Maintenance	100	-	-0.39	-0.58	-1.28
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-0.37	-0.55	-1.22
Evansville, IN	Ozone	Maintenance	100	-	-0.44	-0.65	-1.43
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-0.56	-0.83	-1.84
Fairbanks, AK	CO	Maintenance	100	-	-0.03	-0.04	-0.09
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-0.50	-0.75	-1.66
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.04
Flint, MI	Ozone	Maintenance	100	-	-0.90	-1.33	-2.94
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Fort Collins, CO	CO	Maintenance	100	-	-0.29	-0.43	-0.96
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	-0.62	-0.93	-2.05
Franklin County, PA	Ozone	Maintenance	100	-	-0.26	-0.38	-0.85
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	-0.22	-0.33	-0.73
Fredericksburg, VA	Ozone	Maintenance	100	-	-0.68	-1.02	-2.25
Freehold, NJ	CO	Maintenance	100	-	-0.03	-0.04	-0.09
Fresno, CA	CO	Maintenance	100	-	-0.98	-1.46	-3.22
Grand Rapids, MI	Ozone	Maintenance	100	-	-1.37	-2.03	-4.49
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-0.07	-0.11	-0.23
Grant County, NM	SO _x	Maintenance	100	-	-0.00	-0.01	-0.02
Grants Pass, OR	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.05	-0.08	-0.18
Great Falls, MT	CO	Maintenance	100	-	-0.03	-0.05	-0.11
Greater Connecticut, CT	Ozone	Moderate	50	-	-2.84	-4.21	-9.32
Greeley, CO	CO	Maintenance	100	-	-0.21	-0.31	-0.68
Green Bay, WI	SO _x	Maintenance	100	-	-0.21	-0.31	-0.69
Greene County, IN	Ozone	Maintenance	100	-	-0.08	-0.12	-0.27
Greene County, PA	Ozone	Maintenance	100	-	-0.08	-0.12	-0.26
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-2.79	-4.14	-9.15
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-1.38	-2.05	-4.54
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-1.55	-2.31	-5.10
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-0.04	-0.06	-0.13
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-0.20	-0.29	-0.64
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-1.44	-2.15	-4.74
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-1.33	-1.98	-4.38
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-1.84	-2.74	-6.05
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.02	-0.02	-0.05
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-0.06	-0.10	-0.21
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.01	-0.01	-0.03
Hazelwood, PA	SO _x	Maintenance	100	-	-0.07	-0.10	-0.23
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-0.31	-0.46	-1.02
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-0.51	-0.75	-1.67
Hollis Township, IL	SO _x	Maintenance	100	-	-0.00	-0.01	-0.01
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-113.97	-164.88	-271.32
Humphreys County, TN	SO _x	Maintenance	100	-	-0.00	-0.01	-0.02
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-6.28	-9.09	-14.96
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-6.04	-8.73	-14.17
Huron County, MI	Ozone	Maintenance	100	-	-0.05	-0.07	-0.16

Table B1-13
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Sulfur Dioxide (SO₂) 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Imperial County, CA	Ozone	Moderate	50	-	-0.36	-0.54	-1.19
Imperial Valley, CA	PM ₁₀	Serious	70	-	-0.35	-0.52	-1.16
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-0.06	-0.09	-0.19
Indianapolis, IN	CO	Maintenance	100	-	-0.00	-0.00	-0.01
Indianapolis, IN	Ozone	Maintenance	100	-	-3.39	-5.04	-11.13
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-2.68	-3.99	-8.81
Jackson County, IN	Ozone	Maintenance	100	-	-0.14	-0.20	-0.45
Jamestown, NY	Ozone	Former Subpart 1	50	-	-0.27	-0.40	-0.88
Jefferson County, NY	Ozone	Moderate	50	-	-0.21	-0.32	-0.70
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.05
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-0.38	-0.56	-1.23
Johnstown, PA	Ozone	Maintenance	100	-	-0.18	-0.27	-0.60
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-0.20	-0.29	-0.65
Juneau, AK	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.06
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-0.87	-1.29	-2.85
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.05	-0.07	-0.16
Kansas City, MO-KS	Ozone	Maintenance	100	-	-2.82	-4.18	-9.24
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-0.24	-0.36	-0.79
Kent, WA	PM ₁₀	Maintenance	100	-	-0.04	-0.06	-0.14
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-0.14	-0.21	-0.46
Kewaunee County, WI	Ozone	Maintenance	100	-	-0.04	-0.06	-0.14
King County, WA	PM ₁₀	Maintenance	100	-	-0.02	-0.03	-0.06
Klamath Falls, OR	CO	Maintenance	100	-	-0.09	-0.13	-0.28
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.09	-0.13	-0.28
Knoxville, TN	Ozone	Former Subpart 1	50	-	-1.99	-2.95	-6.52
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-1.54	-2.29	-5.07
La Porte County, IN	SO _x	Maintenance	100	-	-0.06	-0.09	-0.20
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.03	-0.04	-0.08
Lake County, IN	SO _x	Maintenance	100	-	-0.53	-0.79	-1.74
Lake County, OH	SO _x	Maintenance	100	-	-0.06	-0.09	-0.20
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.03
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-0.05	-0.07	-0.15
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-0.10	-0.15	-0.32
Lake Tahoe, NV	CO	Maintenance	100	-	-0.03	-0.05	-0.11
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.02	-0.02	-0.05
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Lancaster, PA	Ozone	Maintenance	100	-	-0.77	-1.14	-2.52
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-0.77	-1.14	-2.52
Lane County, OR	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-0.82	-1.21	-2.68
LaPorte, IN	Ozone	Maintenance	100	-	-0.17	-0.25	-0.56
Las Vegas, NV	CO	Serious	100	-	-2.47	-3.67	-8.11
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-2.51	-3.73	-8.24
Lauderdale County, AL	SO _x	Maintenance	100	-	-0.15	-0.23	-0.50
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.01
Libby, MT	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.03
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.01	-0.02	-0.03
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.02	-0.04	-0.08
Lima, OH	Ozone	Maintenance	100	-	-38.31	-55.29	-88.24

Table B1-13
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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Longmont, CO	CO	Maintenance	100	-	-0.15	-0.22	-0.50
Lorain County, OH	SO _x	Maintenance	100	-	-0.08	-0.12	-0.26
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-106.92	-155.40	-271.02
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	-106.92	-155.40	-271.02
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-106.92	-155.40	-271.02
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-106.92	-155.40	-271.02
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-106.92	-155.40	-271.01
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-1.16	-1.72	-3.80
Louisville, KY-IN	Ozone	Maintenance	100	-	-1.94	-2.89	-6.39
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-1.89	-2.80	-6.20
Lowell, MA	CO	Maintenance	100	-	-0.19	-0.29	-0.63
Lucas County, OH	SO _x	Maintenance	100	-	-0.52	-0.77	-1.71
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.11	-0.16	-0.36
Macon, GA	Ozone	Maintenance	100	-	-0.37	-0.55	-1.21
Macon, GA	PM _{2.5}	Nonattainment	100	-	-0.36	-0.54	-1.19
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.01	-0.01	-0.02
Madison, WI	SO _x	Maintenance	100	-	-0.41	-0.60	-1.33
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.05
Manchester, NH	CO	Maintenance	100	-	-0.13	-0.20	-0.44
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-0.18	-0.26	-0.58
Marion County, IN	SO _x	Maintenance	100	-	-0.54	-0.81	-1.79
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-0.18	-0.27	-0.60
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-0.54	-0.81	-1.79
Mason County, MI	Ozone	Maintenance	100	-	-0.04	-0.07	-0.15
Medford, OR	CO	Maintenance	100	-	-0.13	-0.19	-0.42
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-0.31	-0.45	-1.01
Memphis, TN-AR	Ozone	Maintenance	100	-	-3.14	-4.61	-8.94
Memphis, TN	CO	Maintenance	100	-	-3.00	-4.40	-8.47
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-0.05	-0.07	-0.16
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.01	-0.01	-0.03
Milwaukee, WI	SO _x	Maintenance	100	-	-0.92	-1.36	-3.02
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-3.03	-4.51	-9.96
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-12.45	-18.18	-33.42
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-4.74	-7.05	-15.57
Missoula, MT	CO	Maintenance	100	-	-0.10	-0.15	-0.34
Missoula, MT	PM ₁₀	Moderate	100	-	-0.10	-0.15	-0.33
Modesto, CA	CO	Maintenance	100	-	-0.50	-0.75	-1.65
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-0.17	-0.25	-0.55
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.01	-0.01	-0.02
Morristown, NJ	CO	Maintenance	100	-	-0.05	-0.08	-0.18
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.05	-0.08	-0.17
Muncie, IN	Ozone	Maintenance	100	-	-0.20	-0.30	-0.67
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.01	-0.01	-0.02
Muscatine County, IA	SO _x	Maintenance	100	-	-0.03	-0.04	-0.08
Muskegon, MI	Ozone	Maintenance	100	-	-0.22	-0.33	-0.73
Nashua, NH	CO	Maintenance	100	-	-0.11	-0.16	-0.35
Nashville, TN	Ozone	Former Subpart 1	50	-	-2.76	-4.10	-9.06
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-0.22	-0.33	-0.73

Table B1-13
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Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
New Haven County, CT	PM ₁₀	Maintenance	100	-	-0.23	-0.35	-0.76
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-1.36	-2.02	-4.46
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.01	-0.02	-0.03
New York County, NY	PM ₁₀	Moderate	100	-	-0.80	-1.19	-2.62
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-20.25	-29.80	-59.82
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-33.63	-49.62	-102.36
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-33.42	-49.30	-101.66
Nogales, AZ	PM ₁₀	Moderate	100	-	-0.07	-0.10	-0.23
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-18.31	-26.55	-44.75
Ogden, UT	CO	Maintenance	100	-	-0.12	-0.18	-0.40
Ogden, UT	PM ₁₀	Moderate	100	-	-0.12	-0.18	-0.40
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.01
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.04	-0.05	-0.12
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-0.18	-0.26	-0.59
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.01	-0.01	-0.02
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-0.25	-0.37	-0.83
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.25	-0.38	-0.83
Payson, AZ	PM ₁₀	Maintenance	100	-	-0.03	-0.05	-0.11
Penns Grove, NJ	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	-0.17	-0.26	-0.57
Perth Amboy, NJ	CO	Maintenance	100	-	-1.55	-2.24	-3.68
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-0.69	-1.02	-2.25
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-65.16	-94.36	-157.28
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-68.72	-99.65	-168.97
Phoenix, AZ	CO	Maintenance	100	-	-7.49	-11.13	-24.59
Phoenix, AZ	PM ₁₀	Serious	70	-	-7.73	-11.48	-25.37
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-7.75	-11.52	-25.46
Pierce County, WA	PM ₁₀	Maintenance	100	-	-0.02	-0.03	-0.06
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Pittsburgh, PA	CO	Maintenance	100	-	-0.04	-0.06	-0.13
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-3.51	-5.21	-11.48
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-3.21	-4.76	-10.50
Polk County, TN	SO _x	Maintenance	100	-	-0.04	-0.05	-0.12
Polson, MT	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.02
Portland, ME	Ozone	Maintenance	100	-	-0.96	-1.42	-3.15
Portland, OR	CO	Maintenance	100	-	-2.14	-3.17	-6.88
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.08	-0.11	-0.25
Poughkeepsie, NY	Ozone	Moderate	50	-	-2.26	-3.36	-7.43
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.02	-0.02	-0.05
Providence (entire State), RI	Ozone	Moderate	50	-	-1.67	-2.48	-5.48
Provo, UT	CO	Maintenance	100	-	-0.27	-0.40	-0.88
Raleigh-Durham, NC	CO	Maintenance	100	-	-2.18	-3.23	-7.15
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-2.97	-4.41	-9.76
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.01
Reading, PA	Ozone	Maintenance	100	-	-0.57	-0.85	-1.88
Reading, PA	PM _{2.5}	Nonattainment	100	-	-0.57	-0.85	-1.88
Reno, NV	CO	Maintenance	100	-	-0.42	-0.62	-1.37
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01

Table B1-13
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Sulfur Dioxide (SO₂) 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-2.10	-3.12	-6.89
Rillito, AZ	PM ₁₀	Moderate	100	-	-0.08	-0.12	-0.26
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-1.03	-1.54	-3.40
Roanoke, VA	Ozone	Former Subpart 1	50	-	-0.45	-0.67	-1.49
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-0.14	-0.20	-0.45
Rochester, NY	Ozone	Former Subpart 1	50	-	-2.30	-3.41	-7.54
Rocky Mount, NC	Ozone	Maintenance	100	-	-0.32	-0.48	-1.06
Rome, GA	PM _{2.5}	Nonattainment	100	-	-0.21	-0.31	-0.68
Ronan, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.00	-0.01	-0.01
Sacramento County, CA	PM ₁₀	Moderate	100	-	-2.44	-3.62	-8.00
Sacramento Metro, CA	Ozone	Severe	25	-	-4.34	-6.45	-14.26
Sacramento, CA	CO	Maintenance	100	-	-2.71	-4.02	-8.89
Salem, OR	CO	Maintenance	100	-	-0.23	-0.34	-0.74
Salt Lake City, UT	CO	Maintenance	100	-	-1.50	-2.19	-3.81
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-2.89	-4.24	-8.36
Salt Lake County, UT	SO _x	Nonattainment	100	-	-1.74	-2.59	-5.73
San Antonio, TX	Ozone	Former Subpart 1	50	-	-3.13	-4.65	-10.29
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-0.72	-1.06	-2.35
San Diego, CA	CO	Maintenance	100	-	-6.83	-10.14	-22.42
San Diego, CA	Ozone	Former Subpart 1	50	-	-6.84	-10.16	-22.46
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-238.86	-345.19	-559.57
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-240.31	-347.33	-564.30
San Joaquin Valley, CA	Ozone	Extreme	10	-	-9.83	-14.51	-29.93
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-9.87	-14.56	-30.05
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-9.83	-14.51	-29.93
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-0.06	-0.08	-0.18
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-1.15	-1.71	-3.77
Seattle-Tacoma, WA	CO	Maintenance	100	-	-5.02	-7.46	-16.49
Sheboygan, WI	Ozone	Moderate	50	-	-0.20	-0.30	-0.66
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.04	-0.06	-0.12
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	-0.03	-0.04	-0.10
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-0.77	-1.15	-2.54
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-0.31	-0.46	-1.03
Spokane County, WA	PM ₁₀	Maintenance	100	-	-0.50	-0.74	-1.64
Spokane, WA	CO	Maintenance	100	-	-0.49	-0.73	-1.62
Springfield (western MA), MA	Ozone	Moderate	50	-	-1.53	-2.27	-5.03
Springfield, MA	CO	Maintenance	100	-	-0.24	-0.36	-0.80
St Louis, MO	CO	Maintenance	100	-	-1.63	-2.42	-5.34
St Louis, MO-IL	Ozone	Moderate	50	-	-200.07	-288.96	-464.91
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-200.03	-288.91	-464.79
State College, PA	Ozone	Maintenance	100	-	-0.29	-0.43	-0.94
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.03	-0.04	-0.10
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.08	-0.11	-0.25
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-1.84	-2.66	-4.40
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-1.84	-2.66	-4.40

Table B1-13
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Sulfur Dioxide (SO₂) 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Stockton, CA	CO	Maintenance	100	-	-0.76	-1.13	-2.49
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-0.89	-1.32	-2.92
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Terre Haute, IN	Ozone	Maintenance	100	-	-0.23	-0.34	-0.76
Tioga County, PA	Ozone	Maintenance	100	-	-0.10	-0.15	-0.32
Toledo, OH	Ozone	Maintenance	100	-	-11.72	-16.96	-27.88
Toms River, NJ	CO	Maintenance	100	-	-0.16	-0.24	-0.54
Tooele County, UT	SO _x	Nonattainment	100	-	-0.17	-0.25	-0.56
Trenton, NJ	CO	Maintenance	100	-	-0.15	-0.22	-0.50
Trona, CA	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.02
Tucson, AZ	CO	Maintenance	100	-	-1.66	-2.47	-5.45
Utah County, UT	PM ₁₀	Moderate	100	-	-0.81	-1.20	-2.66
Vancouver, WA	CO	Maintenance	100	-	-0.51	-0.76	-1.68
Ventura County, CA	Ozone	Serious	50	-	-1.50	-2.22	-4.80
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.04
Vigo County, IN	SO _x	Maintenance	100	-	-0.23	-0.34	-0.76
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-0.10	-0.14	-0.32
Warren County, NJ	SO _x	Maintenance	100	-	-0.06	-0.09	-0.20
Warren County, PA	SO _x	Nonattainment	100	-	-0.03	-0.04	-0.08
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-0.37	-0.54	-1.20
Washington, DC-MD-VA	CO	Maintenance	100	-	-2.67	-3.96	-8.76
Washington, DC-MD-VA	Ozone	Moderate	50	-	-9.05	-13.45	-29.72
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-8.87	-13.17	-29.12
Washoe County, NV	PM ₁₀	Serious	70	-	-0.42	-0.62	-1.37
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.01	-0.01	-0.02
Wayne County, IN	SO _x	Maintenance	100	-	-0.13	-0.19	-0.42
Wayne County, MI	PM ₁₀	Maintenance	100	-	-3.91	-5.64	-9.10
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.02	-0.03	-0.06
Weirton, WV	SO _x	Maintenance	100	-	-0.02	-0.03	-0.07
Wheeling, WV-OH	Ozone	Maintenance	100	-	-0.26	-0.39	-0.87
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.26	-0.39	-0.87
Winston-Salem, NC	CO	Maintenance	100	-	-0.70	-1.04	-2.30
Worcester, MA	CO	Maintenance	100	-	-0.36	-0.54	-1.20
Yakima County, WA	PM ₁₀	Maintenance	100	-	-0.16	-0.23	-0.52
Yakima, WA	CO	Maintenance	100	-	-0.06	-0.09	-0.21
York, PA	Ozone	Maintenance	100	-	-0.75	-1.12	-2.47
York, PA	PM _{2.5}	Nonattainment	100	-	-0.59	-0.87	-1.92
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-1.12	-1.66	-3.68
Yuma, AZ	PM ₁₀	Moderate	100	-	-0.31	-0.46	-1.01

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

Table B1-14
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.01	-0.01	-0.03
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.05
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.02	-0.03	-0.06
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-5.51	-9.10	-16.57
Albuquerque, NM	CO	Maintenance	100	-	-2.54	-4.19	-7.64
Allegan County, MI	Ozone	Former Subpart 1	50	-	-0.63	-1.04	-1.89
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-2.55	-4.22	-7.69
Altoona, PA	Ozone	Maintenance	100	-	-0.47	-0.77	-1.35
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-0.72	-1.18	-2.15
Anchorage, AK	CO	Maintenance	100	-	-0.61	-1.01	-1.84
Anthony, NM	PM ₁₀	Moderate	100	-	-0.03	-0.05	-0.10
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.02	-0.03	-0.06
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.03	-0.05	-0.09
Atlanta, GA	Ozone	Moderate	50	-	-28.86	-47.67	-86.84
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-28.88	-47.69	-86.89
Atlantic City, NJ	CO	Maintenance	100	-	-0.22	-0.37	-0.67
Bakersfield, CA	CO	Maintenance	100	-	-7.85	-11.42	-10.30
Baltimore, MD	CO	Maintenance	100	-	-0.04	-0.07	-0.13
Baltimore, MD	Ozone	Moderate	50	-	-12.88	-21.28	-38.76
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-12.88	-21.28	-38.76
Baton Rouge, LA	Ozone	Moderate	50	-	-67.26	-94.37	-58.60
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-893.69	-1,243.71	-690.85
Benton County, TN	SO _x	Maintenance	100	-	-0.00	-0.01	-0.01
Benton Harbor, MI	Ozone	Maintenance	100	-	-0.78	-1.28	-2.33
Benzie County, MI	Ozone	Maintenance	100	-	-0.10	-0.16	-0.30
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-0.63	-1.04	-1.90
Billings, MT	CO	Maintenance	100	-	-127.02	-176.78	-98.34
Birmingham, AL	Ozone	Maintenance	100	-	-4.51	-7.41	-13.25
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-4.52	-7.43	-13.29
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-1.40	-2.31	-4.22
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-1.40	-2.31	-4.22
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.07	-0.12	-0.22
Boston, MA	CO	Maintenance	100	-	-3.67	-6.07	-11.05
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-22.00	-36.33	-66.19
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-2.80	-4.63	-8.43
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.04	-0.07	-0.13
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-4.97	-8.20	-14.95
Burlington, NJ	CO	Maintenance	100	-	-0.04	-0.06	-0.11
Butte, MT	PM ₁₀	Moderate	100	-	-0.09	-0.15	-0.27
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.08	-0.14	-0.25
Canton-Massillon, OH	Ozone	Maintenance	100	-	-7.18	-10.32	-8.36
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-7.18	-10.32	-8.36
Case County, MI	Ozone	Maintenance	100	-	-0.19	-0.31	-0.57
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.03	-0.05	-0.08
Charleston, WV	Ozone	Maintenance	100	-	-1.19	-1.97	-3.58
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-1.19	-1.97	-3.58
Charlotte, NC	CO	Maintenance	100	-	-3.17	-5.24	-9.55
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-7.10	-11.72	-21.35

Table B1-14
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-2.36	-3.89	-7.08
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-2.15	-3.54	-6.45
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-610.37	-857.04	-537.38
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-611.40	-858.75	-540.50
Chico, CA	CO	Maintenance	100	-	-0.47	-0.77	-1.41
Chico, CA	Ozone	Former Subpart 1	50	-	-1.08	-1.78	-3.25
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-8.49	-14.02	-25.55
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-8.24	-13.61	-24.80
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.06	-0.10	-0.18
Clark County, NV	PM ₁₀	Serious	70	-	-6.47	-10.69	-19.48
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-1.12	-1.85	-3.36
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-0.78	-1.28	-2.33
Cleveland, OH	CO	Maintenance	100	-	-4.03	-6.65	-12.12
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-11.08	-18.30	-33.34
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-10.22	-16.88	-30.75
Coachella Valley, CA	PM ₁₀	Serious	70	-	-2.76	-4.56	-8.30
Colbert County, AL	SO _x	Maintenance	100	-	-0.26	-0.42	-0.77
Colorado Springs, CO	CO	Maintenance	100	-	-2.55	-4.21	-7.67
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.02	-0.04	-0.07
Columbia, SC	Ozone	Former Subpart 1	50	-	-2.80	-4.63	-8.43
Columbus, OH	Ozone	Maintenance	100	-	-7.24	-11.96	-21.80
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-6.72	-11.10	-20.22
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.01	-0.02	-0.04
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-4.03	-6.65	-12.12
Cuyahoga County, OH	SO _x	Maintenance	100	-	-3.29	-5.44	-9.91
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-30.05	-49.64	-90.43
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-3.60	-5.94	-10.82
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-3.18	-5.25	-9.57
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-77.57	-111.26	-88.44
Denver-Boulder, CO	CO	Maintenance	100	-	-77.01	-110.33	-86.76
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-80.21	-115.63	-96.40
Detroit, MI	CO	Maintenance	100	-	-28.13	-40.91	-36.95
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-49.12	-73.52	-82.40
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-48.75	-72.91	-81.28
Door County, WI	Ozone	Former Subpart 1	50	-	-0.16	-0.26	-0.48
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-0.15	-0.25	-0.46
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-0.12	-0.20	-0.36
Duluth, MN	CO	Maintenance	100	-	-0.35	-0.58	-1.05
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.04	-0.06	-0.11
East Chicago, IN	CO	Maintenance	100	-	-0.00	-0.01	-0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	-151.06	-210.38	-118.10
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.00	-0.01	-0.01
El Paso County, TX	PM ₁₀	Moderate	100	-	-19.34	-27.45	-19.56
El Paso, TX	CO	Maintenance	100	-	-0.13	-0.22	-0.41
Erie, PA	Ozone	Maintenance	100	-	-0.98	-1.62	-2.95
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.01	-0.01	-0.02

Table B1-14
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Eugene-Springfield, OR	CO	Maintenance	100	-	-0.99	-1.64	-2.98
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-0.95	-1.57	-2.85
Evansville, IN	Ozone	Maintenance	100	-	-1.09	-1.80	-3.28
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-1.40	-2.32	-4.22
Fairbanks, AK	CO	Maintenance	100	-	-0.07	-0.12	-0.22
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-1.27	-2.10	-3.82
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.03	-0.05	-0.09
Flint, MI	Ozone	Maintenance	100	-	-2.24	-3.69	-6.73
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.01
Fort Collins, CO	CO	Maintenance	100	-	-0.76	-1.26	-2.29
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	-1.57	-2.59	-4.73
Franklin County, PA	Ozone	Maintenance	100	-	-0.66	-1.08	-1.97
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.00	-0.01	-0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	-0.56	-0.93	-1.69
Fredericksburg, VA	Ozone	Maintenance	100	-	-1.79	-2.95	-5.38
Freehold, NJ	CO	Maintenance	100	-	-0.07	-0.12	-0.22
Fresno, CA	CO	Maintenance	100	-	-2.54	-4.20	-7.65
Grand Rapids, MI	Ozone	Maintenance	100	-	-3.50	-5.78	-10.52
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-0.18	-0.29	-0.53
Grant County, NM	SO _x	Maintenance	100	-	-0.01	-0.02	-0.03
Grants Pass, OR	CO	Maintenance	100	-	-0.00	-0.00	-0.01
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.14	-0.23	-0.43
Great Falls, MT	CO	Maintenance	100	-	-0.08	-0.14	-0.25
Greater Connecticut, CT	Ozone	Moderate	50	-	-7.08	-11.69	-21.29
Greeley, CO	CO	Maintenance	100	-	-0.53	-0.88	-1.60
Green Bay, WI	SO _x	Maintenance	100	-	-0.53	-0.87	-1.59
Greene County, IN	Ozone	Maintenance	100	-	-0.21	-0.35	-0.63
Greene County, PA	Ozone	Maintenance	100	-	-0.20	-0.32	-0.59
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-6.99	-11.54	-21.03
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-3.46	-5.71	-10.40
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-3.86	-6.38	-11.62
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-0.10	-0.16	-0.29
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-0.50	-0.82	-1.49
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-3.69	-6.09	-11.09
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-3.40	-5.62	-10.24
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-4.58	-7.56	-13.78
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.04	-0.07	-0.13
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-0.17	-0.28	-0.51
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.02	-0.04	-0.06
Hazelwood, PA	SO _x	Maintenance	100	-	-0.17	-0.29	-0.52
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-0.77	-1.27	-2.31
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-1.26	-2.08	-3.80
Hollis Township, IL	SO _x	Maintenance	100	-	-0.01	-0.02	-0.03
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-283.95	-401.33	-272.59
Humphreys County, TN	SO _x	Maintenance	100	-	-0.01	-0.02	-0.04
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-15.61	-22.05	-14.92
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-15.01	-21.07	-13.12
Huron County, MI	Ozone	Maintenance	100	-	-0.12	-0.20	-0.37

Table B1-14
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Imperial County, CA	Ozone	Moderate	50	-	-0.94	-1.56	-2.84
Imperial Valley, CA	PM ₁₀	Serious	70	-	-0.92	-1.53	-2.78
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-0.14	-0.24	-0.43
Indianapolis, IN	CO	Maintenance	100	-	-0.00	-0.01	-0.01
Indianapolis, IN	Ozone	Maintenance	100	-	-8.63	-14.26	-25.97
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-6.84	-11.30	-20.59
Jackson County, IN	Ozone	Maintenance	100	-	-0.34	-0.56	-1.03
Jamestown, NY	Ozone	Former Subpart 1	50	-	-0.67	-1.10	-2.01
Jefferson County, NY	Ozone	Moderate	50	-	-0.53	-0.88	-1.60
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.03	-0.05	-0.10
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-0.93	-1.54	-2.80
Johnstown, PA	Ozone	Maintenance	100	-	-0.43	-0.72	-1.31
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-0.48	-0.79	-1.43
Juneau, AK	PM ₁₀	Moderate	100	-	-0.05	-0.08	-0.14
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-2.17	-3.59	-6.53
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.13	-0.21	-0.38
Kansas City, MO-KS	Ozone	Maintenance	100	-	-7.18	-11.86	-21.60
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-0.62	-1.02	-1.86
Kent, WA	PM ₁₀	Maintenance	100	-	-0.11	-0.18	-0.32
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-0.36	-0.59	-1.07
Kewaunee County, WI	Ozone	Maintenance	100	-	-0.11	-0.18	-0.32
King County, WA	PM ₁₀	Maintenance	100	-	-0.04	-0.07	-0.13
Klamath Falls, OR	CO	Maintenance	100	-	-0.21	-0.35	-0.64
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.21	-0.35	-0.64
Knoxville, TN	Ozone	Former Subpart 1	50	-	-5.12	-8.46	-15.41
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-3.96	-6.54	-11.92
La Porte County, IN	SO _x	Maintenance	100	-	-0.15	-0.25	-0.45
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.06	-0.11	-0.19
Lake County, IN	SO _x	Maintenance	100	-	-1.31	-2.16	-3.94
Lake County, OH	SO _x	Maintenance	100	-	-0.15	-0.25	-0.46
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.03	-0.04	-0.08
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-0.13	-0.21	-0.38
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-0.27	-0.45	-0.82
Lake Tahoe, NV	CO	Maintenance	100	-	-0.09	-0.14	-0.26
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.04	-0.06	-0.11
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.02
Lancaster, PA	Ozone	Maintenance	100	-	-1.94	-3.20	-5.84
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-1.94	-3.20	-5.84
Lane County, OR	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.02
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-2.05	-3.39	-6.18
LaPorte, IN	Ozone	Maintenance	100	-	-0.42	-0.69	-1.26
Las Vegas, NV	CO	Serious	100	-	-6.47	-10.69	-19.48
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-6.57	-10.85	-19.77
Lauderdale County, AL	SO _x	Maintenance	100	-	-0.38	-0.62	-1.14
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.01	-0.01	-0.02
Libby, MT	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.06
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.03	-0.04	-0.08
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.06	-0.10	-0.18
Lima, OH	Ozone	Maintenance	100	-	-95.24	-132.61	-74.26

Table B1-14
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Longmont, CO	CO	Maintenance	100	-	-0.39	-0.65	-1.18
Lorain County, OH	SO _x	Maintenance	100	-	-0.20	-0.33	-0.59
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-267.85	-389.76	-353.26
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	-267.85	-389.76	-353.26
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-267.85	-389.76	-353.26
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-267.86	-389.76	-353.26
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-267.85	-389.76	-353.25
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-2.98	-4.92	-8.96
Louisville, KY-IN	Ozone	Maintenance	100	-	-4.86	-8.02	-14.61
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-4.70	-7.76	-14.13
Lowell, MA	CO	Maintenance	100	-	-0.49	-0.81	-1.47
Lucas County, OH	SO _x	Maintenance	100	-	-1.28	-2.12	-3.87
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.27	-0.44	-0.80
Macon, GA	Ozone	Maintenance	100	-	-0.90	-1.49	-2.71
Macon, GA	PM _{2.5}	Nonattainment	100	-	-0.89	-1.47	-2.68
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.01	-0.02	-0.04
Madison, WI	SO _x	Maintenance	100	-	-1.06	-1.74	-3.18
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.04	-0.07	-0.12
Manchester, NH	CO	Maintenance	100	-	-0.33	-0.55	-1.00
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-0.44	-0.72	-1.31
Marion County, IN	SO _x	Maintenance	100	-	-1.35	-2.22	-4.05
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-0.49	-0.80	-1.46
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-1.37	-2.27	-4.13
Mason County, MI	Ozone	Maintenance	100	-	-0.11	-0.19	-0.34
Medford, OR	CO	Maintenance	100	-	-0.34	-0.56	-1.01
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-0.80	-1.32	-2.41
Memphis, TN-AR	Ozone	Maintenance	100	-	-7.79	-11.96	-15.61
Memphis, TN	CO	Maintenance	100	-	-7.45	-11.39	-14.57
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-0.13	-0.21	-0.38
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.02	-0.04	-0.07
Milwaukee, WI	SO _x	Maintenance	100	-	-2.27	-3.75	-6.84
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-7.66	-12.66	-23.06
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-31.24	-46.70	-51.83
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-12.07	-19.93	-36.31
Missoula, MT	CO	Maintenance	100	-	-0.26	-0.44	-0.80
Missoula, MT	PM ₁₀	Moderate	100	-	-0.26	-0.42	-0.77
Modesto, CA	CO	Maintenance	100	-	-1.33	-2.20	-4.01
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-0.45	-0.74	-1.35
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.02
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.01	-0.02	-0.04
Morristown, NJ	CO	Maintenance	100	-	-0.14	-0.23	-0.42
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.12	-0.21	-0.38
Muncie, IN	Ozone	Maintenance	100	-	-0.50	-0.82	-1.50
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.02	-0.03	-0.06
Muscatine County, IA	SO _x	Maintenance	100	-	-0.07	-0.11	-0.20
Muskegon, MI	Ozone	Maintenance	100	-	-0.56	-0.92	-1.68
Nashua, NH	CO	Maintenance	100	-	-0.27	-0.44	-0.80
Nashville, TN	Ozone	Former Subpart 1	50	-	-7.05	-11.65	-21.22
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-0.61	-1.00	-1.83

Table B1-14
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
New Haven County, CT	PM ₁₀	Maintenance	100	-	-0.60	-0.99	-1.80
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-3.38	-5.59	-10.18
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.03	-0.04	-0.08
New York County, NY	PM ₁₀	Moderate	100	-	-1.96	-3.24	-5.91
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-50.53	-79.07	-114.27
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-84.32	-133.97	-208.07
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-83.78	-133.07	-206.44
Nogales, AZ	PM ₁₀	Moderate	100	-	-0.18	-0.29	-0.53
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-45.59	-65.19	-50.21
Ogden, UT	CO	Maintenance	100	-	-0.30	-0.50	-0.91
Ogden, UT	PM ₁₀	Moderate	100	-	-0.30	-0.50	-0.91
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.03
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.09	-0.15	-0.27
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-0.46	-0.76	-1.39
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.02	-0.03	-0.05
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-0.62	-1.03	-1.88
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.63	-1.04	-1.89
Payson, AZ	PM ₁₀	Maintenance	100	-	-0.08	-0.14	-0.25
Penns Grove, NJ	CO	Maintenance	100	-	-0.00	-0.00	-0.01
Peoria, IL	SO _x	Maintenance	100	-	-0.43	-0.71	-1.29
Perth Amboy, NJ	CO	Maintenance	100	-	-3.86	-5.46	-3.72
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-1.68	-2.77	-5.05
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-162.11	-230.49	-167.39
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-171.07	-245.29	-194.34
Phoenix, AZ	CO	Maintenance	100	-	-20.29	-33.52	-61.06
Phoenix, AZ	PM ₁₀	Serious	70	-	-20.91	-34.54	-62.92
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-20.98	-34.65	-63.13
Pierce County, WA	PM ₁₀	Maintenance	100	-	-0.05	-0.08	-0.14
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.02
Pittsburgh, PA	CO	Maintenance	100	-	-0.10	-0.16	-0.30
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-8.71	-14.37	-26.00
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-7.97	-13.14	-23.76
Polk County, TN	SO _x	Maintenance	100	-	-0.09	-0.15	-0.27
Polson, MT	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.04
Portland, ME	Ozone	Maintenance	100	-	-2.41	-3.99	-7.27
Portland, OR	CO	Maintenance	100	-	-5.36	-8.76	-15.30
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.19	-0.31	-0.57
Poughkeepsie, NY	Ozone	Moderate	50	-	-5.88	-9.71	-17.69
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.04	-0.07	-0.12
Providence (entire State), RI	Ozone	Moderate	50	-	-4.24	-7.00	-12.75
Provo, UT	CO	Maintenance	100	-	-0.70	-1.16	-2.11
Raleigh-Durham, NC	CO	Maintenance	100	-	-5.62	-9.28	-16.91
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-7.66	-12.65	-23.05
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.03
Reading, PA	Ozone	Maintenance	100	-	-1.43	-2.37	-4.31
Reading, PA	PM _{2.5}	Nonattainment	100	-	-1.43	-2.37	-4.31
Reno, NV	CO	Maintenance	100	-	-1.05	-1.74	-3.16
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.00	-0.01	-0.01

Table B1-14
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-5.27	-8.70	-15.86
Rillito, AZ	PM ₁₀	Moderate	100	-	-0.21	-0.35	-0.63
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-2.76	-4.56	-8.30
Roanoke, VA	Ozone	Former Subpart 1	50	-	-1.13	-1.86	-3.39
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-0.35	-0.57	-1.04
Rochester, NY	Ozone	Former Subpart 1	50	-	-5.76	-9.51	-17.32
Rocky Mount, NC	Ozone	Maintenance	100	-	-0.80	-1.32	-2.40
Rome, GA	PM _{2.5}	Nonattainment	100	-	-0.52	-0.85	-1.55
Ronan, MT	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.01
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.01	-0.02	-0.03
Sacramento County, CA	PM ₁₀	Moderate	100	-	-6.44	-10.64	-19.38
Sacramento Metro, CA	Ozone	Severe	25	-	-11.58	-19.13	-34.85
Sacramento, CA	CO	Maintenance	100	-	-7.19	-11.87	-21.63
Salem, OR	CO	Maintenance	100	-	-0.56	-0.93	-1.70
Salt Lake City, UT	CO	Maintenance	100	-	-3.76	-5.47	-4.94
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-7.28	-11.28	-15.52
Salt Lake County, UT	SO _x	Nonattainment	100	-	-4.43	-7.32	-13.33
San Antonio, TX	Ozone	Former Subpart 1	50	-	-8.00	-13.22	-24.07
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-1.85	-3.06	-5.57
San Diego, CA	CO	Maintenance	100	-	-17.89	-29.55	-53.84
San Diego, CA	Ozone	Former Subpart 1	50	-	-17.93	-29.61	-53.94
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-594.85	-834.72	-519.05
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-598.52	-840.77	-530.09
San Joaquin Valley, CA	Ozone	Extreme	10	-	-25.54	-40.63	-63.53
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-25.62	-40.77	-63.77
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-25.54	-40.63	-63.53
San Manual (Pinal County), AZ	SO _x	Maintenance	100	-	-0.14	-0.24	-0.44
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-2.88	-4.75	-8.66
Seattle-Tacoma, WA	CO	Maintenance	100	-	-12.86	-21.25	-38.71
Sheboygan, WI	Ozone	Moderate	50	-	-0.51	-0.84	-1.54
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.09	-0.16	-0.28
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	-0.07	-0.12	-0.23
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-1.94	-3.21	-5.85
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-0.75	-1.24	-2.26
Spokane County, WA	PM ₁₀	Maintenance	100	-	-1.28	-2.11	-3.85
Spokane, WA	CO	Maintenance	100	-	-1.26	-2.09	-3.81
Springfield (western MA), MA	Ozone	Moderate	50	-	-3.84	-6.34	-11.55
Springfield, MA	CO	Maintenance	100	-	-0.62	-1.02	-1.86
St Louis, MO	CO	Maintenance	100	-	-3.94	-6.51	-11.86
St Louis, MO-IL	Ozone	Moderate	50	-	-497.38	-695.24	-410.86
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-497.29	-695.11	-410.61
State College, PA	Ozone	Maintenance	100	-	-0.73	-1.21	-2.21
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.08	-0.13	-0.24
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.18	-0.30	-0.55
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-4.57	-6.46	-4.44
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-4.57	-6.46	-4.44

Table B1-14
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Stockton, CA	CO	Maintenance	100	-	-2.00	-3.31	-6.02
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-2.21	-3.65	-6.64
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.02
Terre Haute, IN	Ozone	Maintenance	100	-	-0.57	-0.93	-1.70
Tioga County, PA	Ozone	Maintenance	100	-	-0.24	-0.40	-0.73
Toledo, OH	Ozone	Maintenance	100	-	-29.14	-41.15	-27.68
Toms River, NJ	CO	Maintenance	100	-	-0.43	-0.71	-1.29
Tooele County, UT	SO _x	Nonattainment	100	-	-0.43	-0.72	-1.31
Trenton, NJ	CO	Maintenance	100	-	-0.38	-0.63	-1.14
Trona, CA	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.04
Tucson, AZ	CO	Maintenance	100	-	-4.28	-7.06	-12.87
Utah County, UT	PM ₁₀	Moderate	100	-	-2.09	-3.45	-6.28
Vancouver, WA	CO	Maintenance	100	-	-1.34	-2.21	-4.03
Ventura County, CA	Ozone	Serious	50	-	-3.91	-6.39	-11.12
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.03	-0.05	-0.09
Vigo County, IN	SO _x	Maintenance	100	-	-0.57	-0.93	-1.70
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-0.24	-0.40	-0.73
Warren County, NJ	SO _x	Maintenance	100	-	-0.15	-0.25	-0.46
Warren County, PA	SO _x	Nonattainment	100	-	-0.06	-0.10	-0.18
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-0.91	-1.51	-2.75
Washington, DC-MD-VA	CO	Maintenance	100	-	-6.74	-11.12	-20.27
Washington, DC-MD-VA	Ozone	Moderate	50	-	-23.23	-38.37	-69.91
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-22.75	-37.57	-68.45
Washoe County, NV	PM ₁₀	Serious	70	-	-1.05	-1.74	-3.16
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.02	-0.03	-0.05
Wayne County, IN	SO _x	Maintenance	100	-	-0.31	-0.51	-0.93
Wayne County, MI	PM ₁₀	Maintenance	100	-	-9.76	-13.66	-8.21
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.04	-0.07	-0.12
Weirton, WV	SO _x	Maintenance	100	-	-0.05	-0.09	-0.16
Wheeling, WV-OH	Ozone	Maintenance	100	-	-0.64	-1.06	-1.93
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.64	-1.06	-1.93
Winston-Salem, NC	CO	Maintenance	100	-	-1.77	-2.92	-5.32
Worcester, MA	CO	Maintenance	100	-	-0.94	-1.55	-2.82
Yakima County, WA	PM ₁₀	Maintenance	100	-	-0.40	-0.66	-1.20
Yakima, WA	CO	Maintenance	100	-	-0.16	-0.27	-0.50
York, PA	Ozone	Maintenance	100	-	-1.91	-3.16	-5.76
York, PA	PM _{2.5}	Nonattainment	100	-	-1.49	-2.46	-4.48
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-2.74	-4.53	-8.26
Yuma, AZ	PM ₁₀	Moderate	100	-	-0.80	-1.32	-2.40

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

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

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

Source: EPA, 2008.

Table B1-15
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.01	-0.03	-0.05
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.03	-0.07	-0.12
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.04	-0.07	-0.12
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-10.56	-21.29	-36.37
Albuquerque, NM	CO	Maintenance	100	-	-4.80	-9.69	-16.54
Allegan County, MI	Ozone	Former Subpart 1	50	-	-1.28	-2.57	-4.39
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-4.87	-9.83	-16.78
Altoona, PA	Ozone	Maintenance	100	-	-0.84	-1.64	-2.61
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-1.66	-3.35	-5.73
Anchorage, AK	CO	Maintenance	100	-	-1.25	-2.51	-4.29
Anthony, NM	PM ₁₀	Moderate	100	-	-0.06	-0.12	-0.21
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.04	-0.08	-0.14
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.06	-0.12	-0.21
Atlanta, GA	Ozone	Moderate	50	-	-57.73	-116.41	-198.84
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-57.75	-116.46	-198.93
Atlantic City, NJ	CO	Maintenance	100	-	-0.41	-0.82	-1.40
Bakersfield, CA	CO	Maintenance	100	-	-14.85	-21.17	-2.11
Baltimore, MD	CO	Maintenance	100	-	-0.08	-0.16	-0.27
Baltimore, MD	Ozone	Moderate	50	-	-25.27	-50.96	-87.05
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-25.27	-50.96	-87.04
Baton Rouge, LA	Ozone	Moderate	50	-	-124.50	-156.35	100.39
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-1,651.57	-2,014.21	1,665.69
Benton County, TN	SO _x	Maintenance	100	-	-0.01	-0.02	-0.03
Benton Harbor, MI	Ozone	Maintenance	100	-	-1.34	-2.71	-4.63
Benzie County, MI	Ozone	Maintenance	100	-	-0.21	-0.43	-0.73
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-1.25	-2.51	-4.29
Billings, MT	CO	Maintenance	100	-	-234.75	-286.41	236.09
Birmingham, AL	Ozone	Maintenance	100	-	-8.29	-16.52	-27.41
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-8.32	-16.57	-27.50
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-2.79	-5.63	-9.61
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-2.79	-5.63	-9.61
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.15	-0.31	-0.53
Boston, MA	CO	Maintenance	100	-	-6.88	-13.88	-23.70
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-42.08	-84.85	-144.92
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-5.50	-11.10	-18.96
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.07	-0.15	-0.26
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-9.22	-18.58	-31.74
Burlington, NJ	CO	Maintenance	100	-	-0.06	-0.11	-0.19
Butte, MT	PM ₁₀	Moderate	100	-	-0.15	-0.31	-0.52
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.18	-0.35	-0.60
Canton-Massillon, OH	Ozone	Maintenance	100	-	-13.23	-17.94	3.22
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-13.23	-17.94	3.22
Case County, MI	Ozone	Maintenance	100	-	-0.35	-0.70	-1.19
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.01	-0.01	-0.02
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.05	-0.09	-0.16
Charleston, WV	Ozone	Maintenance	100	-	-2.08	-4.20	-7.18
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-2.08	-4.20	-7.18
Charlotte, NC	CO	Maintenance	100	-	-6.40	-12.90	-22.03
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-14.12	-28.47	-48.63

Table B1-15
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-4.37	-8.81	-15.01
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-4.02	-8.09	-13.80
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-1,131.08	-1,425.07	885.74
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-1,133.09	-1,429.12	878.82
Chico, CA	CO	Maintenance	100	-	-1.07	-2.15	-3.68
Chico, CA	Ozone	Former Subpart 1	50	-	-2.35	-4.73	-8.09
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-16.22	-32.70	-55.86
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-15.72	-31.69	-54.14
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.10	-0.20	-0.34
Clark County, NV	PM ₁₀	Serious	70	-	-13.69	-27.61	-47.16
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-2.22	-4.48	-7.65
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-1.44	-2.90	-4.95
Cleveland, OH	CO	Maintenance	100	-	-6.95	-14.02	-23.94
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-20.44	-41.21	-70.39
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-18.76	-37.83	-64.62
Coachella Valley, CA	PM ₁₀	Serious	70	-	-6.08	-12.27	-20.96
Colbert County, AL	SO _x	Maintenance	100	-	-0.44	-0.89	-1.52
Colorado Springs, CO	CO	Maintenance	100	-	-5.22	-10.52	-17.96
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.05	-0.10	-0.17
Columbia, SC	Ozone	Former Subpart 1	50	-	-5.35	-10.78	-18.42
Columbus, OH	Ozone	Maintenance	100	-	-14.59	-29.42	-50.25
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-13.56	-27.35	-46.72
Conecango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.02	-0.05	-0.08
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.01
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-6.95	-14.02	-23.94
Cuyahoga County, OH	SO _x	Maintenance	100	-	-5.78	-11.65	-19.91
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-61.67	-124.36	-212.42
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-6.51	-13.13	-22.42
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-5.74	-11.57	-19.75
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-145.63	-198.19	31.87
Denver-Boulder, CO	CO	Maintenance	100	-	-144.49	-195.89	35.80
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-151.01	-209.04	13.34
Detroit, MI	CO	Maintenance	100	-	-49.71	-69.98	-2.13
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-91.69	-141.82	-75.10
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-90.99	-140.40	-72.67
Door County, WI	Ozone	Former Subpart 1	50	-	-0.31	-0.63	-1.08
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-0.28	-0.57	-0.97
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-0.23	-0.46	-0.78
Duluth, MN	CO	Maintenance	100	-	-0.62	-1.26	-2.15
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.08	-0.16	-0.27
East Chicago, IN	CO	Maintenance	100	-	-0.01	-0.02	-0.03
East Chicago, IN	PM ₁₀	Maintenance	100	-	-279.15	-341.31	276.74
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.01	-0.02	-0.03
El Paso County, TX	PM ₁₀	Moderate	100	-	-35.98	-47.09	18.31
El Paso, TX	CO	Maintenance	100	-	-0.25	-0.51	-0.87
Erie, PA	Ozone	Maintenance	100	-	-1.78	-3.60	-6.14
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.01	-0.03	-0.05

Table B1-15
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Eugene-Springfield, OR	CO	Maintenance	100	-	-1.94	-3.91	-6.67
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-1.86	-3.74	-6.40
Evansville, IN	Ozone	Maintenance	100	-	-2.04	-4.12	-7.03
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-2.60	-5.25	-8.97
Fairbanks, AK	CO	Maintenance	100	-	-0.15	-0.31	-0.53
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-2.41	-4.86	-8.31
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.06	-0.13	-0.22
Flint, MI	Ozone	Maintenance	100	-	-4.12	-8.32	-14.20
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.03
Fort Collins, CO	CO	Maintenance	100	-	-1.58	-3.18	-5.43
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.02
Fort Wayne, IN	Ozone	Maintenance	100	-	-2.99	-6.03	-10.30
Franklin County, PA	Ozone	Maintenance	100	-	-1.27	-2.57	-4.39
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.01	-0.01	-0.02
Frederick County, VA	Ozone	Former Subpart 1	50	-	-1.07	-2.17	-3.70
Fredericksburg, VA	Ozone	Maintenance	100	-	-3.75	-7.56	-12.91
Freehold, NJ	CO	Maintenance	100	-	-0.16	-0.33	-0.56
Fresno, CA	CO	Maintenance	100	-	-5.17	-10.43	-17.81
Grand Rapids, MI	Ozone	Maintenance	100	-	-6.92	-13.96	-23.85
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-0.31	-0.62	-1.05
Grant County, NM	SO _x	Maintenance	100	-	-0.02	-0.04	-0.07
Grants Pass, OR	CO	Maintenance	100	-	-0.00	-0.01	-0.01
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.29	-0.59	-1.01
Great Falls, MT	CO	Maintenance	100	-	-0.14	-0.28	-0.49
Greater Connecticut, CT	Ozone	Moderate	50	-	-13.07	-26.36	-45.03
Greeley, CO	CO	Maintenance	100	-	-1.06	-2.14	-3.65
Green Bay, WI	SO _x	Maintenance	100	-	-1.02	-2.06	-3.52
Greene County, IN	Ozone	Maintenance	100	-	-0.40	-0.80	-1.36
Greene County, PA	Ozone	Maintenance	100	-	-0.36	-0.72	-1.23
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-13.09	-26.40	-45.09
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-6.41	-12.93	-22.08
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-7.07	-14.26	-24.35
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-0.18	-0.37	-0.62
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-0.95	-1.91	-3.26
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-7.25	-14.62	-24.98
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-6.69	-13.49	-23.03
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-8.35	-16.84	-28.77
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.09	-0.18	-0.31
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-0.35	-0.71	-1.22
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.04	-0.08	-0.14
Hazelwood, PA	SO _x	Maintenance	100	-	-0.32	-0.65	-1.11
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-1.38	-2.78	-4.75
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-2.32	-4.67	-7.97
Hollis Township, IL	SO _x	Maintenance	100	-	-0.02	-0.04	-0.06
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-527.62	-680.73	323.95
Humphreys County, TN	SO _x	Maintenance	100	-	-0.02	-0.05	-0.08
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-28.78	-36.92	18.83
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-27.66	-34.66	22.68
Huron County, MI	Ozone	Maintenance	100	-	-0.22	-0.45	-0.76

Table B1-15
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Imperial County, CA	Ozone	Moderate	50	-	-1.98	-4.00	-6.83
Imperial Valley, CA	PM ₁₀	Serious	70	-	-1.94	-3.91	-6.69
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-0.26	-0.53	-0.91
Indianapolis, IN	CO	Maintenance	100	-	-0.01	-0.01	-0.02
Indianapolis, IN	Ozone	Maintenance	100	-	-16.92	-34.12	-58.28
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-13.44	-27.11	-46.30
Jackson County, IN	Ozone	Maintenance	100	-	-0.63	-1.27	-2.18
Jamestown, NY	Ozone	Former Subpart 1	50	-	-1.24	-2.49	-4.26
Jefferson County, NY	Ozone	Moderate	50	-	-1.00	-2.01	-3.43
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.06	-0.11	-0.19
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-1.70	-3.43	-5.86
Johnstown, PA	Ozone	Maintenance	100	-	-0.71	-1.42	-2.43
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-0.78	-1.57	-2.67
Juneau, AK	PM ₁₀	Moderate	100	-	-0.10	-0.20	-0.35
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-4.03	-8.12	-13.88
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.26	-0.53	-0.90
Kansas City, MO-KS	Ozone	Maintenance	100	-	-14.12	-28.47	-48.63
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-1.22	-2.46	-4.21
Kent, WA	PM ₁₀	Maintenance	100	-	-0.22	-0.45	-0.77
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-0.67	-1.35	-2.30
Kewaunee County, WI	Ozone	Maintenance	100	-	-0.19	-0.39	-0.67
King County, WA	PM ₁₀	Maintenance	100	-	-0.09	-0.18	-0.31
Klamath Falls, OR	CO	Maintenance	100	-	-0.39	-0.78	-1.34
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.39	-0.78	-1.34
Knoxville, TN	Ozone	Former Subpart 1	50	-	-10.39	-20.95	-35.78
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-7.92	-15.98	-27.29
La Porte County, IN	SO _x	Maintenance	100	-	-0.26	-0.53	-0.91
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.12	-0.24	-0.42
Lake County, IN	SO _x	Maintenance	100	-	-2.34	-4.73	-8.07
Lake County, OH	SO _x	Maintenance	100	-	-0.28	-0.57	-0.97
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.05	-0.09	-0.16
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-0.30	-0.60	-1.02
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-0.65	-1.31	-2.24
Lake Tahoe, NV	CO	Maintenance	100	-	-0.16	-0.33	-0.57
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.07	-0.14	-0.24
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.04
Lancaster, PA	Ozone	Maintenance	100	-	-3.74	-7.54	-12.88
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-3.74	-7.54	-12.88
Lane County, OR	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.04
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-3.88	-7.83	-13.37
LaPorte, IN	Ozone	Maintenance	100	-	-0.74	-1.48	-2.53
Las Vegas, NV	CO	Serious	100	-	-13.69	-27.61	-47.16
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-13.86	-27.95	-47.75
Lauderdale County, AL	SO _x	Maintenance	100	-	-0.68	-1.37	-2.34
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.01	-0.03	-0.05
Libby, MT	PM ₁₀	Moderate	100	-	-0.03	-0.07	-0.11
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.04	-0.09	-0.15
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.10	-0.20	-0.34
Lima, OH	Ozone	Maintenance	100	-	-176.00	-215.06	175.18

Table B1-15
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Longmont, CO	CO	Maintenance	100	-	-0.82	-1.66	-2.83
Lorain County, OH	SO _x	Maintenance	100	-	-0.37	-0.76	-1.29
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-504.96	-720.06	-73.07
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	-504.96	-720.06	-73.07
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-504.96	-720.06	-73.07
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-504.96	-720.06	-73.08
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-504.95	-720.05	-73.05
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-6.01	-12.13	-20.71
Louisville, KY-IN	Ozone	Maintenance	100	-	-8.99	-18.13	-30.96
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-8.62	-17.38	-29.69
Lowell, MA	CO	Maintenance	100	-	-0.97	-1.95	-3.33
Lucas County, OH	SO _x	Maintenance	100	-	-2.28	-4.60	-7.86
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.48	-0.96	-1.64
Macon, GA	Ozone	Maintenance	100	-	-1.58	-3.19	-5.45
Macon, GA	PM _{2.5}	Nonattainment	100	-	-1.56	-3.15	-5.38
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.02	-0.04	-0.07
Madison, WI	SO _x	Maintenance	100	-	-2.19	-4.41	-7.54
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.10	-0.20	-0.34
Manchester, NH	CO	Maintenance	100	-	-0.58	-1.18	-2.01
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-0.79	-1.60	-2.74
Marion County, IN	SO _x	Maintenance	100	-	-2.42	-4.87	-8.32
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-1.07	-2.16	-3.69
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-2.61	-5.26	-8.98
Mason County, MI	Ozone	Maintenance	100	-	-0.22	-0.44	-0.75
Medford, OR	CO	Maintenance	100	-	-0.71	-1.43	-2.44
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-1.70	-3.43	-5.86
Memphis, TN-AR	Ozone	Maintenance	100	-	-14.19	-23.45	-20.02
Memphis, TN	CO	Maintenance	100	-	-13.60	-22.26	-17.99
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-0.26	-0.53	-0.91
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.04	-0.08	-0.13
Milwaukee, WI	SO _x	Maintenance	100	-	-4.11	-8.29	-14.17
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-14.69	-29.62	-50.59
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-59.09	-91.37	-48.28
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-23.60	-47.59	-81.28
Missoula, MT	CO	Maintenance	100	-	-0.52	-1.04	-1.77
Missoula, MT	PM ₁₀	Moderate	100	-	-0.50	-1.01	-1.72
Modesto, CA	CO	Maintenance	100	-	-2.87	-5.78	-9.88
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-0.97	-1.96	-3.35
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.01	-0.03	-0.05
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.03	-0.05	-0.09
Morristown, NJ	CO	Maintenance	100	-	-0.30	-0.60	-1.02
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.22	-0.45	-0.77
Muncie, IN	Ozone	Maintenance	100	-	-0.85	-1.71	-2.92
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.04	-0.08	-0.14
Muscatine County, IA	SO _x	Maintenance	100	-	-0.13	-0.25	-0.43
Muskegon, MI	Ozone	Maintenance	100	-	-1.06	-2.14	-3.66
Nashua, NH	CO	Maintenance	100	-	-0.47	-0.95	-1.62
Nashville, TN	Ozone	Former Subpart 1	50	-	-13.97	-28.17	-48.11
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-1.42	-2.86	-4.89

Table B1-15
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
New Haven County, CT	PM ₁₀	Maintenance	100	-	-1.23	-2.48	-4.23
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-6.20	-12.50	-21.34
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.05	-0.09	-0.16
New York County, NY	PM ₁₀	Moderate	100	-	-3.46	-6.98	-11.92
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-93.76	-164.18	-183.89
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-158.53	-289.60	-377.94
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-157.46	-287.44	-374.25
Nogales, AZ	PM ₁₀	Moderate	100	-	-0.34	-0.70	-1.19
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-84.44	-113.00	29.23
Ogden, UT	CO	Maintenance	100	-	-0.56	-1.12	-1.91
Ogden, UT	PM ₁₀	Moderate	100	-	-0.56	-1.12	-1.91
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.02	-0.03	-0.06
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.16	-0.32	-0.55
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-0.95	-1.92	-3.27
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.04	-0.07	-0.13
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-1.13	-2.29	-3.91
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-1.14	-2.30	-3.93
Payson, AZ	PM ₁₀	Maintenance	100	-	-0.17	-0.34	-0.58
Penns Grove, NJ	CO	Maintenance	100	-	-0.00	-0.01	-0.01
Peoria, IL	SO _x	Maintenance	100	-	-0.77	-1.56	-2.66
Perth Amboy, NJ	CO	Maintenance	100	-	-7.24	-9.39	4.13
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-2.92	-5.89	-10.06
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-299.87	-393.64	146.35
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-316.87	-427.92	87.80
Phoenix, AZ	CO	Maintenance	100	-	-46.37	-93.51	-159.72
Phoenix, AZ	PM ₁₀	Serious	70	-	-47.64	-96.07	-164.10
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-47.78	-96.35	-164.57
Pierce County, WA	PM ₁₀	Maintenance	100	-	-0.08	-0.17	-0.28
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.03
Pittsburgh, PA	CO	Maintenance	100	-	-0.21	-0.43	-0.74
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-15.91	-31.93	-53.99
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-14.54	-29.18	-49.28
Polk County, TN	SO _x	Maintenance	100	-	-0.17	-0.34	-0.58
Polson, MT	PM ₁₀	Moderate	100	-	-0.03	-0.05	-0.09
Portland, ME	Ozone	Maintenance	100	-	-4.59	-9.26	-15.81
Portland, OR	CO	Maintenance	100	-	-10.05	-19.71	-31.54
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.35	-0.70	-1.19
Poughkeepsie, NY	Ozone	Moderate	50	-	-12.16	-24.52	-41.88
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.07	-0.14	-0.24
Providence (entire State), RI	Ozone	Moderate	50	-	-8.22	-16.57	-28.30
Provo, UT	CO	Maintenance	100	-	-1.45	-2.93	-5.01
Raleigh-Durham, NC	CO	Maintenance	100	-	-11.41	-23.01	-39.30
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-15.51	-31.27	-53.42
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.01	-0.03	-0.05
Reading, PA	Ozone	Maintenance	100	-	-2.68	-5.41	-9.25
Reading, PA	PM _{2.5}	Nonattainment	100	-	-2.68	-5.41	-9.25
Reno, NV	CO	Maintenance	100	-	-2.00	-4.03	-6.89
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.01	-0.02	-0.03

Table B1-15
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-9.95	-20.06	-34.26
Rillito, AZ	PM ₁₀	Moderate	100	-	-0.45	-0.91	-1.55
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-6.08	-12.27	-20.96
Roanoke, VA	Ozone	Former Subpart 1	50	-	-2.06	-4.16	-7.11
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-0.68	-1.36	-2.33
Rochester, NY	Ozone	Former Subpart 1	50	-	-10.81	-21.79	-37.22
Rocky Mount, NC	Ozone	Maintenance	100	-	-1.45	-2.93	-5.01
Rome, GA	PM _{2.5}	Nonattainment	100	-	-0.96	-1.94	-3.31
Ronan, MT	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.04
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.02	-0.04	-0.07
Sacramento County, CA	PM ₁₀	Moderate	100	-	-13.90	-28.03	-47.87
Sacramento Metro, CA	Ozone	Severe	25	-	-25.49	-51.41	-87.81
Sacramento, CA	CO	Maintenance	100	-	-15.62	-31.51	-53.81
Salem, OR	CO	Maintenance	100	-	-1.04	-2.11	-3.60
Salt Lake City, UT	CO	Maintenance	100	-	-7.06	-10.03	-0.82
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-13.90	-23.82	-24.38
Salt Lake County, UT	SO _x	Nonattainment	100	-	-8.63	-17.41	-29.73
San Antonio, TX	Ozone	Former Subpart 1	50	-	-15.81	-31.87	-54.43
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-3.73	-7.53	-12.86
San Diego, CA	CO	Maintenance	100	-	-37.78	-76.19	-130.13
San Diego, CA	Ozone	Former Subpart 1	50	-	-37.85	-76.33	-130.38
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-1,104.29	-1,389.74	873.63
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-1,111.41	-1,404.09	849.11
San Joaquin Valley, CA	Ozone	Extreme	10	-	-52.86	-97.82	-133.03
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-52.99	-98.08	-133.47
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-52.86	-97.82	-133.03
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-0.30	-0.61	-1.04
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.02
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-5.40	-10.90	-18.61
Seattle-Tacoma, WA	CO	Maintenance	100	-	-25.58	-51.58	-88.11
Sheboygan, WI	Ozone	Moderate	50	-	-0.99	-2.00	-3.42
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.17	-0.35	-0.60
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	-0.15	-0.30	-0.50
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-3.65	-7.37	-12.58
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-1.21	-2.43	-4.16
Spokane County, WA	PM ₁₀	Maintenance	100	-	-2.53	-5.10	-8.71
Spokane, WA	CO	Maintenance	100	-	-2.50	-5.05	-8.62
Springfield (western MA), MA	Ozone	Moderate	50	-	-7.21	-14.54	-24.83
Springfield, MA	CO	Maintenance	100	-	-1.20	-2.42	-4.14
St Louis, MO	CO	Maintenance	100	-	-6.64	-13.38	-22.86
St Louis, MO-IL	Ozone	Moderate	50	-	-918.81	-1,137.64	831.20
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-918.66	-1,137.33	831.72
State College, PA	Ozone	Maintenance	100	-	-1.47	-2.95	-5.05
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.18	-0.36	-0.61
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.32	-0.64	-1.10
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-8.39	-10.79	5.36
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-8.39	-10.79	5.36

Table B1-15
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Stockton, CA	CO	Maintenance	100	-	-4.33	-8.74	-14.92
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-4.02	-8.11	-13.86
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.02	-0.03	-0.05
Terre Haute, IN	Ozone	Maintenance	100	-	-0.97	-1.96	-3.35
Tioga County, PA	Ozone	Maintenance	100	-	-0.43	-0.87	-1.48
Toledo, OH	Ozone	Maintenance	100	-	-53.77	-68.92	35.58
Toms River, NJ	CO	Maintenance	100	-	-0.89	-1.79	-3.06
Tooele County, UT	SO _x	Nonattainment	100	-	-0.85	-1.71	-2.92
Trenton, NJ	CO	Maintenance	100	-	-0.73	-1.47	-2.51
Trona, CA	PM ₁₀	Moderate	100	-	-0.03	-0.06	-0.10
Tucson, AZ	CO	Maintenance	100	-	-8.64	-17.43	-29.77
Utah County, UT	PM ₁₀	Moderate	100	-	-4.22	-8.51	-14.53
Vancouver, WA	CO	Maintenance	100	-	-2.81	-5.66	-9.67
Ventura County, CA	Ozone	Serious	50	-	-8.24	-16.18	-25.96
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.05	-0.11	-0.19
Vigo County, IN	SO _x	Maintenance	100	-	-0.97	-1.96	-3.35
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-0.45	-0.91	-1.56
Warren County, NJ	SO _x	Maintenance	100	-	-0.30	-0.60	-1.02
Warren County, PA	SO _x	Nonattainment	100	-	-0.11	-0.22	-0.37
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-1.70	-3.43	-5.86
Washington, DC-MD-VA	CO	Maintenance	100	-	-12.99	-26.20	-44.76
Washington, DC-MD-VA	Ozone	Moderate	50	-	-46.51	-93.78	-160.19
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-45.48	-91.71	-156.64
Washoe County, NV	PM ₁₀	Serious	70	-	-2.00	-4.03	-6.89
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.03	-0.06	-0.11
Wayne County, IN	SO _x	Maintenance	100	-	-0.52	-1.06	-1.80
Wayne County, MI	PM ₁₀	Maintenance	100	-	-18.57	-23.16	15.83
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.07	-0.13	-0.23
Weirton, WV	SO _x	Maintenance	100	-	-0.09	-0.18	-0.30
Wheeling, WV-OH	Ozone	Maintenance	100	-	-1.10	-2.21	-3.77
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-1.10	-2.21	-3.77
Winston-Salem, NC	CO	Maintenance	100	-	-3.38	-6.82	-11.65
Worcester, MA	CO	Maintenance	100	-	-1.90	-3.82	-6.53
Yakima County, WA	PM ₁₀	Maintenance	100	-	-0.77	-1.56	-2.67
Yakima, WA	CO	Maintenance	100	-	-0.35	-0.70	-1.20
York, PA	Ozone	Maintenance	100	-	-3.75	-7.56	-12.92
York, PA	PM _{2.5}	Nonattainment	100	-	-2.91	-5.86	-10.02
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-4.80	-9.68	-16.53
Yuma, AZ	PM ₁₀	Moderate	100	-	-1.65	-3.33	-5.69

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

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

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

Source: EPA, 2008.

Table B1-16
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.01	-0.02	-0.05
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.02	-0.06	-0.12
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.02	-0.06	-0.12
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-6.74	-17.53	-35.59
Albuquerque, NM	CO	Maintenance	100	-	-3.03	-7.88	-16.00
Allegan County, MI	Ozone	Former Subpart 1	50	-	-0.85	-2.22	-4.51
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-3.09	-8.05	-16.35
Altoona, PA	Ozone	Maintenance	100	-	-0.49	-1.23	-2.30
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-1.22	-3.17	-6.44
Anchorage, AK	CO	Maintenance	100	-	-0.82	-2.14	-4.34
Anthony, NM	PM ₁₀	Moderate	100	-	-0.04	-0.10	-0.20
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.03	-0.07	-0.14
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.04	-0.10	-0.21
Atlanta, GA	Ozone	Moderate	50	-	-38.13	-99.25	-201.49
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-38.14	-99.28	-201.55
Atlantic City, NJ	CO	Maintenance	100	-	-0.25	-0.65	-1.32
Bakersfield, CA	CO	Maintenance	100	-	-9.18	-13.64	8.36
Baltimore, MD	CO	Maintenance	100	-	-0.05	-0.13	-0.26
Baltimore, MD	Ozone	Moderate	50	-	-16.43	-42.77	-86.83
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-16.43	-42.77	-86.83
Baton Rouge, LA	Ozone	Moderate	50	-	-75.06	-84.76	216.89
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-993.09	-1,047.62	3,278.65
Benton County, TN	SO _x	Maintenance	100	-	-0.01	-0.01	-0.03
Benton Harbor, MI	Ozone	Maintenance	100	-	-0.78	-2.03	-4.12
Benzie County, MI	Ozone	Maintenance	100	-	-0.15	-0.38	-0.78
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-0.81	-2.11	-4.29
Billings, MT	CO	Maintenance	100	-	-141.17	-149.08	465.16
Birmingham, AL	Ozone	Maintenance	100	-	-5.10	-13.02	-25.58
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-5.11	-13.07	-25.68
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-1.84	-4.78	-9.70
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-1.84	-4.78	-9.70
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.11	-0.28	-0.57
Boston, MA	CO	Maintenance	100	-	-4.32	-11.24	-22.82
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-26.78	-69.72	-141.53
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-3.58	-9.31	-18.90
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.05	-0.12	-0.24
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-5.71	-14.86	-30.17
Burlington, NJ	CO	Maintenance	100	-	-0.02	-0.06	-0.13
Butte, MT	PM ₁₀	Moderate	100	-	-0.09	-0.22	-0.45
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.12	-0.32	-0.65
Canton-Massillon, OH	Ozone	Maintenance	100	-	-7.96	-10.53	14.48
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-7.96	-10.53	14.48
Case County, MI	Ozone	Maintenance	100	-	-0.21	-0.56	-1.13
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.00	-0.01	-0.02
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.03	-0.07	-0.13
Charleston, WV	Ozone	Maintenance	100	-	-1.22	-3.18	-6.45
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-1.22	-3.18	-6.45
Charlotte, NC	CO	Maintenance	100	-	-4.25	-11.06	-22.45
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-9.28	-24.17	-49.06

Table B1-16
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-2.71	-7.04	-14.26
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-2.51	-6.52	-13.21
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-682.77	-777.71	1,935.55
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-684.07	-781.08	1,928.71
Chico, CA	CO	Maintenance	100	-	-0.79	-2.05	-4.16
Chico, CA	Ozone	Former Subpart 1	50	-	-1.65	-4.29	-8.71
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-10.31	-26.84	-54.48
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-9.98	-25.97	-52.72
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.05	-0.14	-0.28
Clark County, NV	PM ₁₀	Serious	70	-	-9.43	-24.56	-49.86
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-1.46	-3.80	-7.71
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-0.89	-2.31	-4.70
Cleveland, OH	CO	Maintenance	100	-	-4.01	-10.44	-21.20
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-12.59	-32.77	-66.54
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-11.51	-29.97	-60.84
Coachella Valley, CA	PM ₁₀	Serious	70	-	-4.32	-11.24	-22.81
Colbert County, AL	SO _x	Maintenance	100	-	-0.25	-0.66	-1.34
Colorado Springs, CO	CO	Maintenance	100	-	-3.51	-9.14	-18.55
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.03	-0.09	-0.18
Columbia, SC	Ozone	Former Subpart 1	50	-	-3.42	-8.90	-18.06
Columbus, OH	Ozone	Maintenance	100	-	-9.69	-25.22	-51.20
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-9.02	-23.49	-47.68
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.01	-0.03	-0.06
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-4.01	-10.44	-21.20
Cuyahoga County, OH	SO _x	Maintenance	100	-	-3.46	-9.00	-18.28
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-41.55	-108.15	-219.55
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-3.94	-10.26	-20.83
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-3.46	-9.01	-18.29
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-89.28	-120.87	146.72
Denver-Boulder, CO	CO	Maintenance	100	-	-88.51	-118.86	150.79
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-92.87	-130.24	127.71
Detroit, MI	CO	Maintenance	100	-	-32.32	-43.70	53.42
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-56.26	-96.13	-18.18
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-55.82	-94.96	-15.81
Door County, WI	Ozone	Former Subpart 1	50	-	-0.21	-0.54	-1.09
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-0.17	-0.44	-0.90
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-0.14	-0.37	-0.74
Duluth, MN	CO	Maintenance	100	-	-0.37	-0.97	-1.98
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.05	-0.14	-0.28
East Chicago, IN	CO	Maintenance	100	-	-0.00	-0.01	-0.02
East Chicago, IN	PM ₁₀	Maintenance	100	-	-167.86	-178.09	548.55
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.01	-0.01	-0.03
El Paso County, TX	PM ₁₀	Moderate	100	-	-21.82	-27.06	49.60
El Paso, TX	CO	Maintenance	100	-	-0.16	-0.41	-0.83
Erie, PA	Ozone	Maintenance	100	-	-1.08	-2.82	-5.73
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.01	-0.03	-0.05

Table B1-16
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Eugene-Springfield, OR	CO	Maintenance	100	-	-1.26	-3.28	-6.66
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-1.21	-3.15	-6.40
Evansville, IN	Ozone	Maintenance	100	-	-1.27	-3.32	-6.73
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-1.61	-4.19	-8.50
Fairbanks, AK	CO	Maintenance	100	-	-0.10	-0.27	-0.54
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-1.53	-3.97	-8.06
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.04	-0.11	-0.23
Flint, MI	Ozone	Maintenance	100	-	-2.54	-6.61	-13.43
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.02
Fort Collins, CO	CO	Maintenance	100	-	-1.07	-2.78	-5.65
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	-1.89	-4.93	-10.01
Franklin County, PA	Ozone	Maintenance	100	-	-0.82	-2.14	-4.35
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.00	-0.01	-0.02
Frederick County, VA	Ozone	Former Subpart 1	50	-	-0.68	-1.78	-3.61
Fredericksburg, VA	Ozone	Maintenance	100	-	-2.57	-6.68	-13.56
Freehold, NJ	CO	Maintenance	100	-	-0.12	-0.31	-0.63
Fresno, CA	CO	Maintenance	100	-	-3.43	-8.94	-18.14
Grand Rapids, MI	Ozone	Maintenance	100	-	-4.54	-11.81	-23.97
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-0.18	-0.46	-0.93
Grant County, NM	SO _x	Maintenance	100	-	-0.01	-0.03	-0.06
Grants Pass, OR	CO	Maintenance	100	-	-0.00	-0.01	-0.01
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.20	-0.53	-1.07
Great Falls, MT	CO	Maintenance	100	-	-0.08	-0.20	-0.41
Greater Connecticut, CT	Ozone	Moderate	50	-	-8.07	-21.00	-42.63
Greeley, CO	CO	Maintenance	100	-	-0.70	-1.82	-3.69
Green Bay, WI	SO _x	Maintenance	100	-	-0.65	-1.69	-3.43
Greene County, IN	Ozone	Maintenance	100	-	-0.25	-0.65	-1.32
Greene County, PA	Ozone	Maintenance	100	-	-0.22	-0.57	-1.15
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-8.18	-21.29	-43.23
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-3.97	-10.34	-20.99
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-4.33	-11.26	-22.86
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-0.11	-0.29	-0.60
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-0.60	-1.56	-3.17
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-4.73	-12.31	-24.98
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-4.36	-11.34	-23.02
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-5.08	-13.23	-26.86
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.06	-0.16	-0.32
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-0.24	-0.63	-1.28
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.03	-0.07	-0.14
Hazelwood, PA	SO _x	Maintenance	100	-	-0.21	-0.54	-1.10
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-0.83	-2.16	-4.38
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-1.42	-3.70	-7.51
Hollis Township, IL	SO _x	Maintenance	100	-	-0.01	-0.03	-0.06
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-319.63	-384.39	793.45
Humphreys County, TN	SO _x	Maintenance	100	-	-0.01	-0.04	-0.08
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-17.30	-20.38	45.32
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-16.60	-18.56	49.01
Huron County, MI	Ozone	Maintenance	100	-	-0.13	-0.35	-0.71

Table B1-16
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Imperial County, CA	Ozone	Moderate	50	-	-1.36	-3.54	-7.18
Imperial Valley, CA	PM ₁₀	Serious	70	-	-1.33	-3.46	-7.03
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-0.16	-0.41	-0.84
Indianapolis, IN	CO	Maintenance	100	-	-0.00	-0.01	-0.02
Indianapolis, IN	Ozone	Maintenance	100	-	-10.99	-28.62	-58.10
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-8.75	-22.78	-46.24
Jackson County, IN	Ozone	Maintenance	100	-	-0.39	-1.02	-2.07
Jamestown, NY	Ozone	Former Subpart 1	50	-	-0.77	-1.99	-4.04
Jefferson County, NY	Ozone	Moderate	50	-	-0.62	-1.62	-3.29
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.03	-0.08	-0.16
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-1.04	-2.71	-5.49
Johnstown, PA	Ozone	Maintenance	100	-	-0.38	-0.99	-2.01
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-0.42	-1.09	-2.21
Juneau, AK	PM ₁₀	Moderate	100	-	-0.07	-0.19	-0.38
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-2.50	-6.50	-13.19
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.18	-0.46	-0.93
Kansas City, MO-KS	Ozone	Maintenance	100	-	-9.20	-23.95	-48.61
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-0.80	-2.08	-4.23
Kent, WA	PM ₁₀	Maintenance	100	-	-0.15	-0.40	-0.81
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-0.41	-1.08	-2.19
Kewaunee County, WI	Ozone	Maintenance	100	-	-0.12	-0.31	-0.63
King County, WA	PM ₁₀	Maintenance	100	-	-0.06	-0.15	-0.31
Klamath Falls, OR	CO	Maintenance	100	-	-0.24	-0.62	-1.26
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.24	-0.62	-1.26
Knoxville, TN	Ozone	Former Subpart 1	50	-	-6.94	-18.06	-36.66
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-5.23	-13.62	-27.64
La Porte County, IN	SO _x	Maintenance	100	-	-0.16	-0.41	-0.83
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.08	-0.20	-0.40
Lake County, IN	SO _x	Maintenance	100	-	-1.40	-3.65	-7.40
Lake County, OH	SO _x	Maintenance	100	-	-0.17	-0.45	-0.92
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.03	-0.07	-0.15
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-0.22	-0.57	-1.16
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-0.50	-1.30	-2.64
Lake Tahoe, NV	CO	Maintenance	100	-	-0.10	-0.26	-0.53
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.04	-0.11	-0.23
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.03
Lancaster, PA	Ozone	Maintenance	100	-	-2.40	-6.24	-12.66
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-2.40	-6.24	-12.66
Lane County, OR	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.03
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-2.45	-6.37	-12.93
LaPorte, IN	Ozone	Maintenance	100	-	-0.43	-1.13	-2.29
Las Vegas, NV	CO	Serious	100	-	-9.43	-24.56	-49.86
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-9.53	-24.81	-50.37
Lauderdale County, AL	SO _x	Maintenance	100	-	-0.41	-1.06	-2.16
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.01	-0.02	-0.04
Libby, MT	PM ₁₀	Moderate	100	-	-0.02	-0.05	-0.10
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.03	-0.07	-0.13
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.05	-0.14	-0.28
Lima, OH	Ozone	Maintenance	100	-	-105.83	-112.13	346.66

Table B1-16
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Longmont, CO	CO	Maintenance	100	-	-0.57	-1.48	-3.01
Lorain County, OH	SO _x	Maintenance	100	-	-0.24	-0.62	-1.25
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-311.35	-462.15	286.41
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	-311.35	-462.15	286.41
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-311.35	-462.15	286.41
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-311.35	-462.15	286.41
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-311.35	-462.14	286.43
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-4.00	-10.43	-21.16
Louisville, KY-IN	Ozone	Maintenance	100	-	-5.56	-14.47	-29.37
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-5.29	-13.76	-27.93
Lowell, MA	CO	Maintenance	100	-	-0.64	-1.67	-3.40
Lucas County, OH	SO _x	Maintenance	100	-	-1.36	-3.53	-7.16
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.28	-0.74	-1.50
Macon, GA	Ozone	Maintenance	100	-	-0.93	-2.42	-4.91
Macon, GA	PM _{2.5}	Nonattainment	100	-	-0.92	-2.39	-4.85
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.01	-0.03	-0.07
Madison, WI	SO _x	Maintenance	100	-	-1.49	-3.88	-7.88
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.08	-0.20	-0.41
Manchester, NH	CO	Maintenance	100	-	-0.33	-0.86	-1.75
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-0.48	-1.26	-2.56
Marion County, IN	SO _x	Maintenance	100	-	-1.45	-3.78	-7.67
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-0.76	-1.97	-4.01
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-1.65	-4.30	-8.72
Mason County, MI	Ozone	Maintenance	100	-	-0.14	-0.36	-0.74
Medford, OR	CO	Maintenance	100	-	-0.49	-1.27	-2.59
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-1.18	-3.07	-6.24
Memphis, TN-AR	Ozone	Maintenance	100	-	-8.53	-16.18	-11.65
Memphis, TN	CO	Maintenance	100	-	-8.20	-15.31	-9.87
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-0.18	-0.47	-0.95
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.02	-0.06	-0.12
Milwaukee, WI	SO _x	Maintenance	100	-	-2.51	-6.53	-13.27
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-9.36	-24.38	-49.49
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-36.69	-63.05	-13.89
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-15.30	-39.84	-80.87
Missoula, MT	CO	Maintenance	100	-	-0.33	-0.87	-1.76
Missoula, MT	PM ₁₀	Moderate	100	-	-0.32	-0.84	-1.70
Modesto, CA	CO	Maintenance	100	-	-1.98	-5.16	-10.48
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-0.69	-1.79	-3.63
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.01	-0.03	-0.05
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.02	-0.04	-0.08
Morristown, NJ	CO	Maintenance	100	-	-0.21	-0.55	-1.11
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.13	-0.34	-0.70
Muncie, IN	Ozone	Maintenance	100	-	-0.48	-1.25	-2.54
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.03	-0.08	-0.16
Muscatine County, IA	SO _x	Maintenance	100	-	-0.08	-0.21	-0.43
Muskegon, MI	Ozone	Maintenance	100	-	-0.68	-1.76	-3.57
Nashua, NH	CO	Maintenance	100	-	-0.27	-0.71	-1.43
Nashville, TN	Ozone	Former Subpart 1	50	-	-9.15	-23.83	-48.37
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-1.04	-2.72	-5.52

Table B1-16
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
New Haven County, CT	PM ₁₀	Maintenance	100	-	-0.85	-2.21	-4.48
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-3.79	-9.87	-20.03
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.03	-0.07	-0.15
New York County, NY	PM ₁₀	Moderate	100	-	-2.04	-5.31	-10.79
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-57.61	-120.90	-143.25
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-98.79	-222.01	-327.16
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-98.08	-220.18	-323.44
Nogales, AZ	PM ₁₀	Moderate	100	-	-0.22	-0.58	-1.18
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-51.09	-66.08	101.12
Ogden, UT	CO	Maintenance	100	-	-0.34	-0.89	-1.81
Ogden, UT	PM ₁₀	Moderate	100	-	-0.34	-0.89	-1.81
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.05
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.09	-0.23	-0.48
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-0.64	-1.67	-3.38
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.03	-0.08	-0.16
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-0.69	-1.79	-3.64
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.69	-1.81	-3.67
Payson, AZ	PM ₁₀	Maintenance	100	-	-0.11	-0.29	-0.59
Penns Grove, NJ	CO	Maintenance	100	-	-0.00	-0.01	-0.01
Peoria, IL	SO _x	Maintenance	100	-	-0.46	-1.21	-2.46
Perth Amboy, NJ	CO	Maintenance	100	-	-4.44	-5.47	10.25
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-1.70	-4.43	-8.98
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-181.02	-224.71	410.51
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-191.77	-252.68	353.72
Phoenix, AZ	CO	Maintenance	100	-	-33.66	-87.62	-177.87
Phoenix, AZ	PM ₁₀	Serious	70	-	-34.52	-89.85	-182.40
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-34.60	-90.07	-182.84
Pierce County, WA	PM ₁₀	Maintenance	100	-	-0.05	-0.12	-0.25
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.02
Pittsburgh, PA	CO	Maintenance	100	-	-0.17	-0.43	-0.88
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-9.70	-25.09	-50.35
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-8.87	-22.92	-45.94
Polk County, TN	SO _x	Maintenance	100	-	-0.10	-0.27	-0.55
Polson, MT	PM ₁₀	Moderate	100	-	-0.02	-0.05	-0.10
Portland, ME	Ozone	Maintenance	100	-	-2.90	-7.55	-15.33
Portland, OR	CO	Maintenance	100	-	-6.27	-15.69	-29.59
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.21	-0.55	-1.12
Poughkeepsie, NY	Ozone	Moderate	50	-	-8.24	-21.45	-43.54
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.04	-0.11	-0.22
Providence (entire State), RI	Ozone	Moderate	50	-	-5.29	-13.77	-27.96
Provo, UT	CO	Maintenance	100	-	-0.98	-2.56	-5.20
Raleigh-Durham, NC	CO	Maintenance	100	-	-7.63	-19.85	-40.30
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-10.34	-26.91	-54.64
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.04
Reading, PA	Ozone	Maintenance	100	-	-1.68	-4.37	-8.86
Reading, PA	PM _{2.5}	Nonattainment	100	-	-1.68	-4.37	-8.86
Reno, NV	CO	Maintenance	100	-	-1.27	-3.30	-6.69
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.01	-0.02	-0.04

Table B1-16
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-6.26	-16.29	-33.07
Rillito, AZ	PM ₁₀	Moderate	100	-	-0.31	-0.82	-1.66
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-4.32	-11.24	-22.81
Roanoke, VA	Ozone	Former Subpart 1	50	-	-1.26	-3.28	-6.67
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-0.44	-1.14	-2.31
Rochester, NY	Ozone	Former Subpart 1	50	-	-6.77	-17.61	-35.75
Rocky Mount, NC	Ozone	Maintenance	100	-	-0.89	-2.31	-4.68
Rome, GA	PM _{2.5}	Nonattainment	100	-	-0.60	-1.55	-3.15
Ronan, MT	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.04
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.01	-0.03	-0.06
Sacramento County, CA	PM ₁₀	Moderate	100	-	-9.71	-25.28	-51.32
Sacramento Metro, CA	Ozone	Severe	25	-	-18.02	-46.90	-95.22
Sacramento, CA	CO	Maintenance	100	-	-10.93	-28.45	-57.76
Salem, OR	CO	Maintenance	100	-	-0.64	-1.68	-3.41
Salt Lake City, UT	CO	Maintenance	100	-	-4.33	-6.37	4.34
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-8.74	-17.85	-18.99
Salt Lake County, UT	SO _x	Nonattainment	100	-	-5.58	-14.52	-29.49
San Antonio, TX	Ozone	Former Subpart 1	50	-	-10.34	-26.90	-54.60
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-2.43	-6.34	-12.86
San Diego, CA	CO	Maintenance	100	-	-25.99	-67.66	-137.36
San Diego, CA	Ozone	Former Subpart 1	50	-	-26.04	-67.80	-137.63
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-667.71	-760.31	1,894.18
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-672.25	-772.14	1,870.17
San Joaquin Valley, CA	Ozone	Extreme	10	-	-35.67	-82.60	-131.64
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-35.73	-82.76	-131.97
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-35.67	-82.60	-131.64
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-0.20	-0.53	-1.08
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.02
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-3.38	-8.81	-17.88
Seattle-Tacoma, WA	CO	Maintenance	100	-	-16.80	-43.74	-88.80
Sheboygan, WI	Ozone	Moderate	50	-	-0.64	-1.67	-3.39
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.11	-0.28	-0.56
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	-0.09	-0.25	-0.50
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-2.29	-5.96	-12.09
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-0.61	-1.59	-3.23
Spokane County, WA	PM ₁₀	Maintenance	100	-	-1.65	-4.31	-8.74
Spokane, WA	CO	Maintenance	100	-	-1.64	-4.26	-8.64
Springfield (western MA), MA	Ozone	Moderate	50	-	-4.51	-11.75	-23.86
Springfield, MA	CO	Maintenance	100	-	-0.79	-2.07	-4.19
St Louis, MO	CO	Maintenance	100	-	-3.74	-9.73	-19.76
St Louis, MO-IL	Ozone	Moderate	50	-	-552.61	-603.13	1,712.53
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-552.52	-602.88	1,713.02
State College, PA	Ozone	Maintenance	100	-	-0.97	-2.51	-5.10
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.13	-0.33	-0.67
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.18	-0.48	-0.97
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-5.03	-5.93	13.14
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-5.03	-5.93	13.14

Table B1-16
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Stockton, CA	CO	Maintenance	100	-	-3.08	-8.02	-16.28
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-2.45	-6.38	-12.95
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.01	-0.03	-0.06
Terre Haute, IN	Ozone	Maintenance	100	-	-0.56	-1.46	-2.96
Tioga County, PA	Ozone	Maintenance	100	-	-0.25	-0.66	-1.35
Toledo, OH	Ozone	Maintenance	100	-	-32.36	-38.07	84.99
Toms River, NJ	CO	Maintenance	100	-	-0.62	-1.60	-3.25
Tooele County, UT	SO _x	Nonattainment	100	-	-0.55	-1.43	-2.90
Trenton, NJ	CO	Maintenance	100	-	-0.47	-1.22	-2.48
Trona, CA	PM ₁₀	Moderate	100	-	-0.02	-0.05	-0.11
Tucson, AZ	CO	Maintenance	100	-	-5.76	-14.98	-30.42
Utah County, UT	PM ₁₀	Moderate	100	-	-2.81	-7.31	-14.85
Vancouver, WA	CO	Maintenance	100	-	-1.92	-4.99	-10.13
Ventura County, CA	Ozone	Serious	50	-	-5.65	-14.20	-27.05
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.03	-0.08	-0.17
Vigo County, IN	SO _x	Maintenance	100	-	-0.56	-1.46	-2.96
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-0.28	-0.74	-1.50
Warren County, NJ	SO _x	Maintenance	100	-	-0.19	-0.49	-1.00
Warren County, PA	SO _x	Nonattainment	100	-	-0.06	-0.16	-0.32
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-1.06	-2.75	-5.59
Washington, DC-MD-VA	CO	Maintenance	100	-	-8.58	-22.33	-45.34
Washington, DC-MD-VA	Ozone	Moderate	50	-	-30.74	-80.03	-162.46
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-30.03	-78.17	-158.70
Washoe County, NV	PM ₁₀	Serious	70	-	-1.27	-3.30	-6.69
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.02	-0.05	-0.10
Wayne County, IN	SO _x	Maintenance	100	-	-0.30	-0.78	-1.58
Wayne County, MI	PM ₁₀	Maintenance	100	-	-13.24	-14.92	38.46
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.03	-0.08	-0.16
Weirton, WV	SO _x	Maintenance	100	-	-0.04	-0.11	-0.23
Wheeling, WV-OH	Ozone	Maintenance	100	-	-0.63	-1.63	-3.30
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.63	-1.63	-3.30
Winston-Salem, NC	CO	Maintenance	100	-	-2.15	-5.61	-11.38
Worcester, MA	CO	Maintenance	100	-	-1.28	-3.34	-6.77
Yakima County, WA	PM ₁₀	Maintenance	100	-	-0.49	-1.29	-2.61
Yakima, WA	CO	Maintenance	100	-	-0.24	-0.64	-1.29
York, PA	Ozone	Maintenance	100	-	-2.44	-6.34	-12.87
York, PA	PM _{2.5}	Nonattainment	100	-	-1.88	-4.90	-9.96
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-2.81	-7.31	-14.84
Yuma, AZ	PM ₁₀	Moderate	100	-	-1.12	-2.91	-5.92

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

Table B1-17
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Volatile Organic Compound (VOC) 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.06	-0.09	-0.22
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.04	-0.07	-0.17
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.05	-0.07	-0.17
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-15.83	-24.16	-58.74
Albuquerque, NM	CO	Maintenance	100	-	-6.38	-9.75	-23.82
Allegan County, MI	Ozone	Former Subpart 1	50	-	-2.73	-4.15	-9.96
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-4.74	-7.27	-18.01
Altoona, PA	Ozone	Maintenance	100	-	-2.46	-3.74	-8.95
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-0.49	-0.76	-2.04
Anchorage, AK	CO	Maintenance	100	-	-4.31	-6.54	-15.57
Anthony, NM	PM ₁₀	Moderate	100	-	-0.22	-0.33	-0.78
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.01	-0.02	-0.06
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.20	-0.30	-0.71
Atlanta, GA	Ozone	Moderate	50	-	-76.55	-116.89	-284.81
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-76.68	-117.07	-285.24
Atlantic City, NJ	CO	Maintenance	100	-	-0.26	-0.41	-1.04
Bakersfield, CA	CO	Maintenance	100	-	-9.32	-14.17	-33.95
Baltimore, MD	CO	Maintenance	100	-	-0.19	-0.29	-0.69
Baltimore, MD	Ozone	Moderate	50	-	-17.34	-26.72	-67.41
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-17.33	-26.72	-67.41
Baton Rouge, LA	Ozone	Moderate	50	-	-40.40	-61.19	-144.79
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-67.29	-101.80	-239.63
Benton County, TN	SO _x	Maintenance	100	-	-0.08	-0.12	-0.28
Benton Harbor, MI	Ozone	Maintenance	100	-	-5.29	-8.03	-19.15
Benzie County, MI	Ozone	Maintenance	100	-	-0.52	-0.80	-1.90
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-3.53	-5.37	-12.83
Billings, MT	CO	Maintenance	100	-	-18.19	-27.51	-64.70
Birmingham, AL	Ozone	Maintenance	100	-	-11.47	-17.52	-42.75
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-11.54	-17.63	-43.02
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-10.05	-15.25	-36.32
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-10.05	-15.25	-36.32
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.43	-0.66	-1.57
Boston, MA	CO	Maintenance	100	-	-5.31	-8.18	-20.56
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-24.49	-37.92	-97.08
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-2.36	-3.69	-9.67
Boyd County (part), KY	SO _x	Maintenance	100	-	-1.06	-1.60	-3.77
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-10.80	-16.52	-40.63
Burlington, NJ	CO	Maintenance	100	-	-0.05	-0.08	-0.19
Butte, MT	PM ₁₀	Moderate	100	-	-1.52	-2.30	-5.43
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.67	-1.02	-2.43
Canton-Massillon, OH	Ozone	Maintenance	100	-	-7.94	-12.06	-28.78
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-7.94	-12.06	-28.78
Case County, MI	Ozone	Maintenance	100	-	-1.02	-1.55	-3.70
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.03	-0.04	-0.09
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.34	-0.51	-1.21
Charleston, WV	Ozone	Maintenance	100	-	-2.52	-3.87	-9.52
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-2.52	-3.87	-9.52
Charlotte, NC	CO	Maintenance	100	-	-5.57	-8.55	-21.21
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-20.58	-31.40	-76.28

Table B1-17
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Volatile Organic Compound (VOC) 2021

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-18.70	-28.37	-67.47
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-17.12	-25.97	-61.77
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-63.69	-97.51	-239.98
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-67.32	-103.05	-253.36
Chico, CA	CO	Maintenance	100	-	-1.28	-1.95	-4.74
Chico, CA	Ozone	Former Subpart 1	50	-	-2.99	-4.57	-11.10
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-19.85	-30.36	-74.38
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-18.48	-28.27	-69.38
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.24	-0.37	-0.89
Clark County, NV	PM ₁₀	Serious	70	-	-11.36	-17.43	-43.20
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-10.34	-15.67	-37.20
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-5.81	-8.81	-20.98
Cleveland, OH	CO	Maintenance	100	-	-10.62	-16.23	-39.62
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-21.36	-32.74	-80.98
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-19.61	-30.06	-74.37
Coachella Valley, CA	PM ₁₀	Serious	70	-	-1.45	-2.29	-6.34
Colbert County, AL	SO _x	Maintenance	100	-	-1.76	-2.68	-6.38
Colorado Springs, CO	CO	Maintenance	100	-	-12.72	-19.33	-46.30
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.19	-0.29	-0.68
Columbia, SC	Ozone	Former Subpart 1	50	-	-20.60	-31.26	-74.42
Columbus, OH	Ozone	Maintenance	100	-	-22.36	-34.09	-82.63
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-19.16	-29.23	-71.03
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.03	-0.05	-0.13
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.02
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-10.62	-16.23	-39.62
Cuyahoga County, OH	SO _x	Maintenance	100	-	-8.65	-13.22	-32.28
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-72.73	-111.14	-271.65
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-9.84	-15.03	-36.63
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-8.53	-13.02	-31.76
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-19.34	-29.76	-74.47
Denver-Boulder, CO	CO	Maintenance	100	-	-18.94	-29.12	-72.78
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-34.47	-52.72	-129.33
Detroit, MI	CO	Maintenance	100	-	-22.40	-34.15	-82.75
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-54.77	-83.61	-203.61
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-52.43	-80.05	-195.12
Door County, WI	Ozone	Former Subpart 1	50	-	-0.14	-0.22	-0.57
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-0.41	-0.63	-1.53
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-0.32	-0.49	-1.20
Duluth, MN	CO	Maintenance	100	-	-2.31	-3.50	-8.35
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.26	-0.39	-0.93
East Chicago, IN	CO	Maintenance	100	-	-0.02	-0.04	-0.09
East Chicago, IN	PM ₁₀	Maintenance	100	-	-13.51	-20.45	-48.35
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.03	-0.05	-0.11
El Paso County, TX	PM ₁₀	Moderate	100	-	-8.42	-12.81	-30.84
El Paso, TX	CO	Maintenance	100	-	-0.45	-0.69	-1.66
Erie, PA	Ozone	Maintenance	100	-	-2.51	-3.83	-9.36
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.01	-0.01	-0.03

Table B1-17
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Volatile Organic Compound (VOC) 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Eugene-Springfield, OR	CO	Maintenance	100	-	-6.39	-9.69	-23.12
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-6.10	-9.26	-22.08
Evansville, IN	Ozone	Maintenance	100	-	-4.20	-6.40	-15.42
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-6.99	-10.62	-25.45
Fairbanks, AK	CO	Maintenance	100	-	-0.87	-1.31	-3.11
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-2.22	-3.41	-8.47
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.25	-0.38	-0.89
Flint, MI	Ozone	Maintenance	100	-	-5.24	-8.01	-19.63
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.04	-0.06	-0.14
Fort Collins, CO	CO	Maintenance	100	-	-2.97	-4.52	-10.88
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.02	-0.04	-0.09
Fort Wayne, IN	Ozone	Maintenance	100	-	-11.89	-18.04	-42.92
Franklin County, PA	Ozone	Maintenance	100	-	-4.20	-6.38	-15.21
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.02	-0.04	-0.09
Frederick County, VA	Ozone	Former Subpart 1	50	-	-6.67	-10.11	-23.93
Fredericksburg, VA	Ozone	Maintenance	100	-	-6.78	-10.33	-24.87
Freehold, NJ	CO	Maintenance	100	-	-0.08	-0.13	-0.32
Fresno, CA	CO	Maintenance	100	-	-3.88	-5.97	-14.92
Grand Rapids, MI	Ozone	Maintenance	100	-	-11.61	-17.70	-42.81
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-0.97	-1.47	-3.51
Grant County, NM	SO _x	Maintenance	100	-	-0.12	-0.18	-0.43
Grants Pass, OR	CO	Maintenance	100	-	-0.01	-0.02	-0.05
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.92	-1.40	-3.33
Great Falls, MT	CO	Maintenance	100	-	-0.89	-1.35	-3.21
Greater Connecticut, CT	Ozone	Moderate	50	-	-13.68	-20.98	-51.87
Greeley, CO	CO	Maintenance	100	-	-4.27	-6.47	-15.39
Green Bay, WI	SO _x	Maintenance	100	-	-1.57	-2.40	-5.82
Greene County, IN	Ozone	Maintenance	100	-	-2.65	-4.01	-9.49
Greene County, PA	Ozone	Maintenance	100	-	-1.83	-2.77	-6.58
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-19.10	-29.16	-71.04
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-8.63	-13.18	-32.23
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-33.89	-51.40	-122.11
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-0.21	-0.32	-0.79
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-1.75	-2.66	-6.43
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-7.18	-11.00	-27.16
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-7.06	-10.80	-26.60
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-7.51	-11.55	-28.82
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.08	-0.13	-0.32
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-0.44	-0.68	-1.65
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.03	-0.05	-0.11
Hazelwood, PA	SO _x	Maintenance	100	-	-0.69	-1.04	-2.51
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-1.89	-2.89	-7.08
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-3.37	-5.14	-12.54
Hollis Township, IL	SO _x	Maintenance	100	-	-0.01	-0.02	-0.05
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-255.52	-387.26	-917.97
Humphreys County, TN	SO _x	Maintenance	100	-	-0.11	-0.17	-0.41
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-28.04	-42.45	-100.15
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-23.02	-34.83	-82.03
Huron County, MI	Ozone	Maintenance	100	-	-0.69	-1.04	-2.50

Table B1-17
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Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Imperial County, CA	Ozone	Moderate	50	-	-2.01	-3.08	-7.56
Imperial Valley, CA	PM ₁₀	Serious	70	-	-1.96	-3.01	-7.38
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-0.60	-0.91	-2.20
Indianapolis, IN	CO	Maintenance	100	-	-0.02	-0.03	-0.08
Indianapolis, IN	Ozone	Maintenance	100	-	-27.78	-42.35	-102.55
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-21.24	-32.39	-78.52
Jackson County, IN	Ozone	Maintenance	100	-	-4.15	-6.29	-14.90
Jamestown, NY	Ozone	Former Subpart 1	50	-	-2.29	-3.50	-8.45
Jefferson County, NY	Ozone	Moderate	50	-	-0.92	-1.41	-3.52
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.39	-0.60	-1.41
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-9.70	-14.70	-34.87
Johnstown, PA	Ozone	Maintenance	100	-	-2.04	-3.10	-7.45
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-2.69	-4.09	-9.78
Juneau, AK	PM ₁₀	Moderate	100	-	-0.66	-1.01	-2.38
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-9.43	-14.34	-34.47
Kalispell, MT	PM ₁₀	Moderate	100	-	-1.02	-1.54	-3.66
Kansas City, MO-KS	Ozone	Maintenance	100	-	-40.29	-61.20	-146.27
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-0.18	-0.30	-0.93
Kent, WA	PM ₁₀	Maintenance	100	-	-0.36	-0.55	-1.33
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-1.47	-2.23	-5.38
Kewaunee County, WI	Ozone	Maintenance	100	-	-0.27	-0.41	-1.00
King County, WA	PM ₁₀	Maintenance	100	-	-0.15	-0.23	-0.55
Klamath Falls, OR	CO	Maintenance	100	-	-1.67	-2.53	-6.02
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-1.67	-2.53	-6.02
Knoxville, TN	Ozone	Former Subpart 1	50	-	-36.96	-56.08	-133.50
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-30.49	-46.25	-110.01
La Porte County, IN	SO _x	Maintenance	100	-	-1.19	-1.80	-4.29
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.62	-0.94	-2.24
Lake County, IN	SO _x	Maintenance	100	-	-6.75	-10.25	-24.56
Lake County, OH	SO _x	Maintenance	100	-	-0.19	-0.29	-0.74
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.22	-0.34	-0.80
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-0.08	-0.12	-0.33
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-0.19	-0.29	-0.78
Lake Tahoe, NV	CO	Maintenance	100	-	-0.17	-0.27	-0.66
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.73	-1.10	-2.60
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.02	-0.02	-0.06
Lancaster, PA	Ozone	Maintenance	100	-	-2.27	-3.51	-8.96
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-2.27	-3.51	-8.96
Lane County, OR	PM ₁₀	Moderate	100	-	-0.04	-0.06	-0.15
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-3.07	-4.73	-11.86
LaPorte, IN	Ozone	Maintenance	100	-	-3.33	-5.05	-12.02
Las Vegas, NV	CO	Serious	100	-	-11.36	-17.43	-43.20
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-11.54	-17.70	-43.88
Lauderdale County, AL	SO _x	Maintenance	100	-	-0.52	-0.80	-2.03
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.06	-0.08	-0.20
Libby, MT	PM ₁₀	Moderate	100	-	-0.09	-0.13	-0.32
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.12	-0.18	-0.43
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.24	-0.37	-0.89
Lima, OH	Ozone	Maintenance	100	-	-7.58	-11.48	-27.13

Table B1-17
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Volatile Organic Compound (VOC) 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Longmont, CO	CO	Maintenance	100	-	-0.29	-0.45	-1.19
Lorain County, OH	SO _x	Maintenance	100	-	-0.33	-0.51	-1.27
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-120.48	-184.77	-457.47
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	-120.48	-184.77	-457.47
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-120.48	-184.77	-457.47
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-120.49	-184.77	-457.48
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-120.48	-184.76	-457.45
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-4.09	-6.30	-15.85
Louisville, KY-IN	Ozone	Maintenance	100	-	-12.40	-18.95	-46.29
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-12.52	-19.11	-46.62
Lowell, MA	CO	Maintenance	100	-	-0.58	-0.89	-2.27
Lucas County, OH	SO _x	Maintenance	100	-	-3.22	-4.92	-12.02
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.45	-0.69	-1.73
Macon, GA	Ozone	Maintenance	100	-	-7.44	-11.29	-26.84
Macon, GA	PM _{2.5}	Nonattainment	100	-	-7.38	-11.20	-26.63
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.06	-0.08	-0.20
Madison, WI	SO _x	Maintenance	100	-	-2.58	-3.94	-9.62
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.15	-0.23	-0.56
Manchester, NH	CO	Maintenance	100	-	-0.15	-0.25	-0.70
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-0.47	-0.72	-1.86
Marion County, IN	SO _x	Maintenance	100	-	-6.37	-9.68	-23.23
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-0.74	-1.14	-2.83
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-8.34	-12.66	-30.22
Mason County, MI	Ozone	Maintenance	100	-	-0.52	-0.79	-1.90
Medford, OR	CO	Maintenance	100	-	-0.34	-0.53	-1.37
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-0.82	-1.27	-3.27
Memphis, TN-AR	Ozone	Maintenance	100	-	-19.29	-29.35	-70.50
Memphis, TN	CO	Maintenance	100	-	-12.53	-19.11	-46.34
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-0.38	-0.58	-1.40
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.09	-0.14	-0.33
Milwaukee, WI	SO _x	Maintenance	100	-	-5.61	-8.57	-20.96
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-16.59	-25.39	-62.40
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-63.25	-96.12	-230.17
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-46.59	-70.91	-170.87
Missoula, MT	CO	Maintenance	100	-	-3.75	-5.67	-13.42
Missoula, MT	PM ₁₀	Moderate	100	-	-3.63	-5.50	-13.00
Modesto, CA	CO	Maintenance	100	-	-3.80	-5.80	-14.08
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-1.17	-1.78	-4.33
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.02	-0.04	-0.09
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.04	-0.06	-0.15
Morristown, NJ	CO	Maintenance	100	-	-0.16	-0.25	-0.64
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.83	-1.26	-3.00
Muncie, IN	Ozone	Maintenance	100	-	-5.97	-9.05	-21.43
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.10	-0.16	-0.38
Muscatine County, IA	SO _x	Maintenance	100	-	-0.41	-0.63	-1.49
Muskegon, MI	Ozone	Maintenance	100	-	-3.12	-4.75	-11.35
Nashua, NH	CO	Maintenance	100	-	-0.12	-0.20	-0.56
Nashville, TN	Ozone	Former Subpart 1	50	-	-17.53	-26.78	-65.43
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-1.05	-1.61	-3.97

Table B1-17
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Volatile Organic Compound (VOC) 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
New Haven County, CT	PM ₁₀	Maintenance	100	-	-2.94	-4.46	-10.69
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-16.31	-24.79	-59.46
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.23	-0.35	-0.83
New York County, NY	PM ₁₀	Moderate	100	-	-31.38	-47.53	-112.32
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-130.96	-199.36	-480.48
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-191.84	-292.63	-710.51
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-187.12	-285.47	-693.51
Nogales, AZ	PM ₁₀	Moderate	100	-	-0.47	-0.71	-1.73
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-26.76	-40.73	-98.11
Ogden, UT	CO	Maintenance	100	-	-0.47	-0.72	-1.80
Ogden, UT	PM ₁₀	Moderate	100	-	-0.47	-0.72	-1.80
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.02	-0.04	-0.09
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.38	-0.58	-1.40
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-1.16	-1.76	-4.31
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.05	-0.07	-0.18
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-3.93	-5.97	-14.24
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-4.17	-6.34	-15.11
Payson, AZ	PM ₁₀	Maintenance	100	-	-0.25	-0.39	-0.94
Penns Grove, NJ	CO	Maintenance	100	-	-0.00	-0.01	-0.01
Peoria, IL	SO _x	Maintenance	100	-	-0.55	-0.84	-2.14
Perth Amboy, NJ	CO	Maintenance	100	-	-1.22	-1.85	-4.47
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-3.45	-5.29	-13.06
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-87.66	-133.31	-320.02
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-102.68	-156.38	-377.47
Phoenix, AZ	CO	Maintenance	100	-	-20.89	-32.35	-82.86
Phoenix, AZ	PM ₁₀	Serious	70	-	-21.74	-33.66	-86.15
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-21.82	-33.78	-86.47
Pierce County, WA	PM ₁₀	Maintenance	100	-	-0.51	-0.78	-1.84
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.03	-0.05	-0.12
Pittsburgh, PA	CO	Maintenance	100	-	-0.38	-0.58	-1.40
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-31.96	-48.67	-117.48
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-26.98	-41.12	-99.46
Polk County, TN	SO _x	Maintenance	100	-	-0.69	-1.05	-2.50
Polson, MT	PM ₁₀	Moderate	100	-	-0.04	-0.06	-0.14
Portland, ME	Ozone	Maintenance	100	-	-6.51	-9.94	-24.22
Portland, OR	CO	Maintenance	100	-	-10.71	-16.39	-40.32
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-1.46	-2.21	-5.26
Poughkeepsie, NY	Ozone	Moderate	50	-	-9.14	-14.05	-35.08
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.24	-0.37	-0.88
Providence (entire State), RI	Ozone	Moderate	50	-	-14.86	-22.63	-54.67
Provo, UT	CO	Maintenance	100	-	-1.57	-2.41	-5.90
Raleigh-Durham, NC	CO	Maintenance	100	-	-7.50	-11.57	-29.17
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-11.67	-17.95	-44.88
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.04	-0.07	-0.16
Reading, PA	Ozone	Maintenance	100	-	-3.81	-5.82	-14.18
Reading, PA	PM _{2.5}	Nonattainment	100	-	-3.81	-5.82	-14.18
Reno, NV	CO	Maintenance	100	-	-2.57	-3.92	-9.59
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.02	-0.03	-0.08

Table B1-17
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Volatile Organic Compound (VOC) 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-12.43	-19.01	-46.58
Rillito, AZ	PM ₁₀	Moderate	100	-	-0.51	-0.78	-1.92
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-1.45	-2.29	-6.34
Roanoke, VA	Ozone	Former Subpart 1	50	-	-6.01	-9.14	-21.87
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-1.41	-2.14	-5.15
Rochester, NY	Ozone	Former Subpart 1	50	-	-12.07	-18.49	-45.53
Rocky Mount, NC	Ozone	Maintenance	100	-	-3.32	-5.05	-12.14
Rome, GA	PM _{2.5}	Nonattainment	100	-	-3.65	-5.54	-13.19
Ronan, MT	PM ₁₀	Moderate	100	-	-0.02	-0.02	-0.06
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.07	-0.11	-0.26
Sacramento County, CA	PM ₁₀	Moderate	100	-	-8.13	-12.54	-31.68
Sacramento Metro, CA	Ozone	Severe	25	-	-20.01	-30.70	-76.09
Sacramento, CA	CO	Maintenance	100	-	-9.10	-14.04	-35.45
Salem, OR	CO	Maintenance	100	-	-1.02	-1.57	-3.90
Salt Lake City, UT	CO	Maintenance	100	-	-2.22	-3.39	-8.29
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-7.37	-11.32	-28.19
Salt Lake County, UT	SO _x	Nonattainment	100	-	-6.49	-9.98	-25.05
San Antonio, TX	Ozone	Former Subpart 1	50	-	-49.19	-74.68	-178.22
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-1.99	-3.07	-7.88
San Diego, CA	CO	Maintenance	100	-	-16.64	-25.85	-67.01
San Diego, CA	Ozone	Former Subpart 1	50	-	-16.67	-25.90	-67.13
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-87.66	-133.61	-323.56
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-90.80	-138.51	-336.39
San Joaquin Valley, CA	Ozone	Extreme	10	-	-50.78	-77.52	-188.88
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-51.13	-78.07	-190.18
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-50.78	-77.52	-188.88
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-0.23	-0.35	-0.86
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.03	-0.05	-0.12
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-8.87	-13.53	-32.83
Seattle-Tacoma, WA	CO	Maintenance	100	-	-40.35	-61.52	-149.07
Sheboygan, WI	Ozone	Moderate	50	-	-1.34	-2.05	-4.99
Sheridan, WY	PM ₁₀	Moderate	100	-	-1.18	-1.79	-4.23
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	-0.08	-0.12	-0.31
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-6.26	-9.54	-23.11
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-1.31	-2.01	-5.00
Spokane County, WA	PM ₁₀	Maintenance	100	-	-5.30	-8.07	-19.41
Spokane, WA	CO	Maintenance	100	-	-5.25	-7.99	-19.21
Springfield (western MA), MA	Ozone	Moderate	50	-	-4.75	-7.34	-18.65
Springfield, MA	CO	Maintenance	100	-	-0.86	-1.32	-3.33
St Louis, MO	CO	Maintenance	100	-	-30.20	-45.81	-109.06
St Louis, MO-IL	Ozone	Moderate	50	-	-76.01	-115.43	-275.73
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-75.87	-115.22	-275.21
State College, PA	Ozone	Maintenance	100	-	-0.66	-1.03	-2.69
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.33	-0.50	-1.20
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-2.15	-3.26	-7.71
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-5.46	-8.27	-19.57
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-5.46	-8.27	-19.57

Table B1-17
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Volatile Organic Compound (VOC) 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Stockton, CA	CO	Maintenance	100	-	-4.32	-6.61	-16.22
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-11.67	-17.73	-42.45
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.05
Terre Haute, IN	Ozone	Maintenance	100	-	-4.90	-7.43	-17.65
Tioga County, PA	Ozone	Maintenance	100	-	-0.43	-0.66	-1.64
Toledo, OH	Ozone	Maintenance	100	-	-14.56	-22.11	-52.79
Toms River, NJ	CO	Maintenance	100	-	-0.45	-0.70	-1.80
Tooele County, UT	SO _x	Nonattainment	100	-	-2.54	-3.86	-9.22
Trenton, NJ	CO	Maintenance	100	-	-0.55	-0.84	-2.11
Trona, CA	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.06
Tucson, AZ	CO	Maintenance	100	-	-10.70	-16.34	-39.90
Utah County, UT	PM ₁₀	Moderate	100	-	-4.73	-7.23	-17.73
Vancouver, WA	CO	Maintenance	100	-	-2.70	-4.13	-10.17
Ventura County, CA	Ozone	Serious	50	-	-4.08	-6.31	-16.08
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.48	-0.73	-1.72
Vigo County, IN	SO _x	Maintenance	100	-	-4.90	-7.43	-17.65
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-0.29	-0.45	-1.15
Warren County, NJ	SO _x	Maintenance	100	-	-0.20	-0.31	-0.77
Warren County, PA	SO _x	Nonattainment	100	-	-0.14	-0.22	-0.54
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-5.83	-8.85	-21.12
Washington, DC-MD-VA	CO	Maintenance	100	-	-7.37	-11.42	-29.27
Washington, DC-MD-VA	Ozone	Moderate	50	-	-30.26	-46.67	-117.94
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-28.24	-43.60	-110.56
Washoe County, NV	PM ₁₀	Serious	70	-	-2.57	-3.92	-9.59
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.17	-0.26	-0.63
Wayne County, IN	SO _x	Maintenance	100	-	-2.11	-3.21	-7.65
Wayne County, MI	PM ₁₀	Maintenance	100	-	-4.19	-6.34	-15.00
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.37	-0.55	-1.32
Weirton, WV	SO _x	Maintenance	100	-	-0.48	-0.73	-1.74
Wheeling, WV-OH	Ozone	Maintenance	100	-	-5.29	-8.03	-19.09
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-5.29	-8.03	-19.09
Winston-Salem, NC	CO	Maintenance	100	-	-5.17	-7.88	-19.15
Worcester, MA	CO	Maintenance	100	-	-0.91	-1.41	-3.65
Yakima County, WA	PM ₁₀	Maintenance	100	-	-2.33	-3.53	-8.44
Yakima, WA	CO	Maintenance	100	-	-0.93	-1.41	-3.37
York, PA	Ozone	Maintenance	100	-	-5.46	-8.34	-20.27
York, PA	PM _{2.5}	Nonattainment	100	-	-3.54	-5.41	-13.23
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-7.02	-10.73	-26.23
Yuma, AZ	PM ₁₀	Moderate	100	-	-2.51	-3.83	-9.28

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

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

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

Source: EPA, 2008.

Table B1-18
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Volatile Organic Compound (VOC) 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.15	-0.27	-0.54
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.11	-0.20	-0.45
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.11	-0.21	-0.46
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-39.17	-71.18	-156.49
Albuquerque, NM	CO	Maintenance	100	-	-15.71	-28.78	-64.49
Allegan County, MI	Ozone	Former Subpart 1	50	-	-6.81	-12.16	-25.50
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-11.50	-21.54	-50.84
Altoona, PA	Ozone	Maintenance	100	-	-6.21	-10.99	-22.55
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-1.02	-2.24	-7.06
Anchorage, AK	CO	Maintenance	100	-	-10.78	-18.99	-38.38
Anthony, NM	PM ₁₀	Moderate	100	-	-0.54	-0.95	-1.92
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.03	-0.06	-0.20
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.49	-0.87	-1.77
Atlanta, GA	Ozone	Moderate	50	-	-188.40	-343.99	-765.06
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-188.69	-344.50	-766.08
Atlantic City, NJ	CO	Maintenance	100	-	-0.62	-1.21	-3.17
Bakersfield, CA	CO	Maintenance	100	-	-22.99	-40.89	-84.96
Baltimore, MD	CO	Maintenance	100	-	-0.49	-0.87	-1.82
Baltimore, MD	Ozone	Moderate	50	-	-41.06	-79.41	-201.00
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-41.06	-79.41	-201.00
Baton Rouge, LA	Ozone	Moderate	50	-	-102.69	-178.97	-351.20
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-171.94	-297.34	-570.16
Benton County, TN	SO _x	Maintenance	100	-	-0.20	-0.34	-0.67
Benton Harbor, MI	Ozone	Maintenance	100	-	-13.38	-23.57	-47.71
Benzie County, MI	Ozone	Maintenance	100	-	-1.31	-2.33	-4.80
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-8.89	-15.73	-32.30
Billings, MT	CO	Maintenance	100	-	-46.54	-80.38	-153.54
Birmingham, AL	Ozone	Maintenance	100	-	-28.33	-51.75	-115.19
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-28.52	-52.08	-115.87
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-25.38	-44.67	-90.14
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-25.38	-44.67	-90.14
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-1.11	-1.96	-3.99
Boston, MA	CO	Maintenance	100	-	-12.78	-24.48	-60.80
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-57.21	-113.37	-301.10
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-5.32	-11.05	-31.93
Boyd County (part), KY	SO _x	Maintenance	100	-	-2.74	-4.74	-9.15
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-26.45	-48.91	-112.16
Burlington, NJ	CO	Maintenance	100	-	-0.11	-0.22	-0.55
Butte, MT	PM ₁₀	Moderate	100	-	-3.87	-6.72	-13.09
Canon City, CO	PM ₁₀	Maintenance	100	-	-1.72	-3.02	-6.06
Canton-Massillon, OH	Ozone	Maintenance	100	-	-20.04	-35.38	-72.02
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-20.04	-35.38	-72.02
Case County, MI	Ozone	Maintenance	100	-	-2.56	-4.54	-9.34
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.07	-0.12	-0.24
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.86	-1.50	-2.95
Charleston, WV	Ozone	Maintenance	100	-	-6.20	-11.48	-26.42
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-6.20	-11.48	-26.42
Charlotte, NC	CO	Maintenance	100	-	-13.42	-25.25	-60.30
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-50.85	-92.38	-202.89

Table B1-18
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Volatile Organic Compound (VOC) 2025

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-47.33	-83.11	-166.72
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-43.33	-76.08	-152.57
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-155.29	-288.01	-665.09
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-164.33	-304.28	-700.01
Chico, CA	CO	Maintenance	100	-	-3.19	-5.81	-12.85
Chico, CA	Ozone	Former Subpart 1	50	-	-7.35	-13.39	-29.60
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-48.72	-89.65	-203.18
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-45.26	-83.52	-190.59
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.60	-1.08	-2.27
Clark County, NV	PM ₁₀	Serious	70	-	-27.30	-51.39	-122.79
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-26.19	-45.86	-91.29
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-14.69	-25.83	-51.99
Cleveland, OH	CO	Maintenance	100	-	-26.32	-48.05	-106.85
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-52.04	-97.12	-227.51
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-47.78	-89.19	-209.09
Coachella Valley, CA	PM ₁₀	Serious	70	-	-2.89	-6.84	-23.78
Colbert County, AL	SO _x	Maintenance	100	-	-4.46	-7.85	-15.89
Colorado Springs, CO	CO	Maintenance	100	-	-31.91	-56.68	-117.41
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.48	-0.84	-1.69
Columbia, SC	Ozone	Former Subpart 1	50	-	-52.05	-91.56	-184.49
Columbus, OH	Ozone	Maintenance	100	-	-55.32	-100.18	-218.24
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-47.26	-85.93	-189.19
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.08	-0.15	-0.35
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.04
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-26.32	-48.05	-106.85
Cuyahoga County, OH	SO _x	Maintenance	100	-	-21.52	-39.29	-87.37
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-178.04	-326.95	-737.44
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-24.37	-44.40	-98.25
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-21.10	-38.49	-85.40
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-46.07	-88.04	-217.28
Denver-Boulder, CO	CO	Maintenance	100	-	-45.19	-86.13	-211.48
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-84.09	-155.31	-355.13
Detroit, MI	CO	Maintenance	100	-	-55.28	-99.84	-216.02
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-135.33	-246.55	-545.35
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-129.42	-236.12	-524.14
Door County, WI	Ozone	Former Subpart 1	50	-	-0.32	-0.65	-1.86
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-0.99	-1.80	-4.02
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-0.78	-1.43	-3.18
Duluth, MN	CO	Maintenance	100	-	-5.85	-10.31	-20.91
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.65	-1.15	-2.32
East Chicago, IN	CO	Maintenance	100	-	-0.06	-0.10	-0.22
East Chicago, IN	PM ₁₀	Maintenance	100	-	-34.38	-59.82	-116.81
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.08	-0.13	-0.27
El Paso County, TX	PM ₁₀	Moderate	100	-	-20.87	-37.37	-79.02
El Paso, TX	CO	Maintenance	100	-	-1.10	-1.98	-4.28
Erie, PA	Ozone	Maintenance	100	-	-6.19	-11.33	-25.31
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.02	-0.04	-0.09

Table B1-18
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Volatile Organic Compound (VOC) 2025

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Eugene-Springfield, OR	CO	Maintenance	100	-	-16.21	-28.59	-58.07
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-15.49	-27.32	-55.50
Evansville, IN	Ozone	Maintenance	100	-	-10.50	-18.82	-39.93
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-17.52	-31.12	-64.47
Fairbanks, AK	CO	Maintenance	100	-	-2.19	-3.82	-7.52
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-5.37	-10.11	-24.14
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.63	-1.10	-2.21
Flint, MI	Ozone	Maintenance	100	-	-12.87	-23.68	-53.65
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.09	-0.17	-0.34
Fort Collins, CO	CO	Maintenance	100	-	-7.38	-13.23	-28.05
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.06	-0.11	-0.21
Fort Wayne, IN	Ozone	Maintenance	100	-	-30.06	-52.84	-106.29
Franklin County, PA	Ozone	Maintenance	100	-	-10.59	-18.69	-37.98
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.06	-0.11	-0.21
Frederick County, VA	Ozone	Former Subpart 1	50	-	-16.94	-29.56	-58.22
Fredericksburg, VA	Ozone	Maintenance	100	-	-16.87	-30.27	-64.37
Freehold, NJ	CO	Maintenance	100	-	-0.20	-0.39	-1.03
Fresno, CA	CO	Maintenance	100	-	-9.09	-17.37	-42.89
Grand Rapids, MI	Ozone	Maintenance	100	-	-28.83	-52.01	-112.28
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-2.40	-4.25	-8.74
Grant County, NM	SO _x	Maintenance	100	-	-0.30	-0.52	-1.04
Grants Pass, OR	CO	Maintenance	100	-	-0.03	-0.06	-0.11
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-2.34	-4.12	-8.36
Great Falls, MT	CO	Maintenance	100	-	-2.25	-3.94	-7.80
Greater Connecticut, CT	Ozone	Moderate	50	-	-33.35	-62.21	-145.65
Greeley, CO	CO	Maintenance	100	-	-10.83	-19.02	-38.12
Green Bay, WI	SO _x	Maintenance	100	-	-3.84	-6.98	-15.30
Greene County, IN	Ozone	Maintenance	100	-	-6.73	-11.73	-23.06
Greene County, PA	Ozone	Maintenance	100	-	-4.64	-8.12	-16.15
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-47.21	-86.03	-190.43
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-21.26	-38.95	-87.36
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-85.89	-150.57	-300.46
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-0.52	-0.96	-2.20
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-4.35	-7.82	-16.76
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-17.43	-32.51	-76.05
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-17.19	-31.90	-73.80
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-18.15	-34.35	-83.06
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.20	-0.38	-0.89
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-1.10	-2.01	-4.46
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.07	-0.14	-0.34
Hazelwood, PA	SO _x	Maintenance	100	-	-1.74	-3.11	-6.57
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-4.67	-8.56	-19.22
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-8.33	-15.20	-33.74
Hollis Township, IL	SO _x	Maintenance	100	-	-0.03	-0.06	-0.16
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-648.14	-1,132.83	-2,241.74
Humphreys County, TN	SO _x	Maintenance	100	-	-0.29	-0.50	-1.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-71.52	-124.09	-240.25
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-58.80	-101.76	-195.60
Huron County, MI	Ozone	Maintenance	100	-	-1.73	-3.06	-6.29

Table B1-18
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Volatile Organic Compound (VOC) 2025

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Imperial County, CA	Ozone	Moderate	50	-	-4.88	-9.05	-20.86
Imperial Valley, CA	PM ₁₀	Serious	70	-	-4.77	-8.84	-20.38
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-1.42	-2.54	-5.38
Indianapolis, IN	CO	Maintenance	100	-	-0.05	-0.09	-0.19
Indianapolis, IN	Ozone	Maintenance	100	-	-68.92	-124.54	-269.86
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-52.63	-95.27	-207.37
Jackson County, IN	Ozone	Maintenance	100	-	-10.56	-18.41	-36.23
Jamestown, NY	Ozone	Former Subpart 1	50	-	-5.72	-10.29	-22.13
Jefferson County, NY	Ozone	Moderate	50	-	-2.23	-4.20	-10.04
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.99	-1.73	-3.40
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-24.63	-43.05	-85.23
Johnstown, PA	Ozone	Maintenance	100	-	-5.14	-9.14	-19.02
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-6.77	-11.99	-24.58
Juneau, AK	PM ₁₀	Moderate	100	-	-1.71	-2.97	-5.81
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-23.62	-42.15	-88.39
Kalispell, MT	PM ₁₀	Moderate	100	-	-2.57	-4.51	-9.05
Kansas City, MO-KS	Ozone	Maintenance	100	-	-101.32	-179.37	-368.06
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-0.31	-0.95	-4.22
Kent, WA	PM ₁₀	Maintenance	100	-	-0.92	-1.65	-3.56
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-3.50	-6.27	-13.27
Kewaunee County, WI	Ozone	Maintenance	100	-	-0.66	-1.21	-2.70
King County, WA	PM ₁₀	Maintenance	100	-	-0.38	-0.68	-1.46
Klamath Falls, OR	CO	Maintenance	100	-	-4.23	-7.43	-14.91
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-4.23	-7.43	-14.91
Knoxville, TN	Ozone	Former Subpart 1	50	-	-93.29	-164.15	-331.14
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-77.03	-135.37	-272.06
La Porte County, IN	SO _x	Maintenance	100	-	-3.01	-5.29	-10.61
LaGrande, OR	PM ₁₀	Maintenance	100	-	-1.60	-2.80	-5.55
Lake County, IN	SO _x	Maintenance	100	-	-16.89	-29.97	-61.93
Lake County, OH	SO _x	Maintenance	100	-	-0.45	-0.87	-2.26
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.56	-0.99	-1.98
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-0.16	-0.36	-1.18
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-0.40	-0.87	-2.72
Lake Tahoe, NV	CO	Maintenance	100	-	-0.42	-0.78	-1.81
Lamar, CO	PM ₁₀	Maintenance	100	-	-1.86	-3.23	-6.27
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.04	-0.07	-0.16
Lancaster, PA	Ozone	Maintenance	100	-	-5.33	-10.49	-27.48
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-5.33	-10.49	-27.48
Lane County, OR	PM ₁₀	Moderate	100	-	-0.10	-0.18	-0.36
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-7.36	-14.07	-34.71
LaPorte, IN	Ozone	Maintenance	100	-	-8.44	-14.81	-29.71
Las Vegas, NV	CO	Serious	100	-	-27.30	-51.39	-122.79
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-27.70	-52.15	-124.60
Lauderdale County, AL	SO _x	Maintenance	100	-	-1.25	-2.40	-6.04
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.14	-0.25	-0.50
Libby, MT	PM ₁₀	Moderate	100	-	-0.22	-0.40	-0.83
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.30	-0.53	-1.10
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.60	-1.08	-2.27
Lima, OH	Ozone	Maintenance	100	-	-19.31	-33.58	-65.46

Table B1-18
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Volatile Organic Compound (VOC) 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Longmont, CO	CO	Maintenance	100	-	-0.64	-1.36	-4.12
Lorain County, OH	SO _x	Maintenance	100	-	-0.80	-1.52	-3.65
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-291.07	-545.73	-1,292.11
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	-291.07	-545.73	-1,292.11
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-291.07	-545.73	-1,292.11
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-291.08	-545.74	-1,292.13
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-291.06	-545.70	-1,292.05
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-9.69	-18.69	-47.11
Louisville, KY-IN	Ozone	Maintenance	100	-	-30.60	-55.98	-125.13
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-30.92	-56.43	-125.36
Lowell, MA	CO	Maintenance	100	-	-1.39	-2.73	-7.08
Lucas County, OH	SO _x	Maintenance	100	-	-7.94	-14.54	-32.59
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-1.09	-2.06	-4.96
Macon, GA	Ozone	Maintenance	100	-	-18.86	-33.09	-66.24
Macon, GA	PM _{2.5}	Nonattainment	100	-	-18.71	-32.83	-65.71
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.14	-0.25	-0.52
Madison, WI	SO _x	Maintenance	100	-	-6.35	-11.65	-26.22
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.38	-0.68	-1.46
Manchester, NH	CO	Maintenance	100	-	-0.30	-0.74	-2.71
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-1.09	-2.17	-5.83
Marion County, IN	SO _x	Maintenance	100	-	-15.97	-28.42	-59.14
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-1.75	-3.34	-8.23
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-21.01	-37.11	-75.71
Mason County, MI	Ozone	Maintenance	100	-	-1.31	-2.33	-4.85
Medford, OR	CO	Maintenance	100	-	-0.79	-1.59	-4.34
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-1.89	-3.80	-10.35
Memphis, TN-AR	Ozone	Maintenance	100	-	-48.42	-86.30	-180.37
Memphis, TN	CO	Maintenance	100	-	-31.18	-56.37	-122.30
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-0.94	-1.70	-3.72
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.22	-0.39	-0.82
Milwaukee, WI	SO _x	Maintenance	100	-	-13.97	-25.60	-57.42
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-40.55	-75.02	-172.22
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-158.81	-281.93	-582.94
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-116.20	-208.30	-442.05
Missoula, MT	CO	Maintenance	100	-	-9.50	-16.54	-32.38
Missoula, MT	PM ₁₀	Moderate	100	-	-9.20	-16.03	-31.37
Modesto, CA	CO	Maintenance	100	-	-9.31	-16.93	-37.30
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-2.87	-5.25	-11.71
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.06	-0.10	-0.22
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.10	-0.19	-0.41
Morristown, NJ	CO	Maintenance	100	-	-0.40	-0.78	-2.03
Muhlenberg County, KY	SO _x	Maintenance	100	-	-2.09	-3.69	-7.49
Muncie, IN	Ozone	Maintenance	100	-	-15.18	-26.49	-52.16
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.27	-0.47	-0.97
Muscatine County, IA	SO _x	Maintenance	100	-	-1.05	-1.86	-3.77
Muskegon, MI	Ozone	Maintenance	100	-	-7.86	-13.92	-28.56
Nashua, NH	CO	Maintenance	100	-	-0.24	-0.59	-2.16
Nashville, TN	Ozone	Former Subpart 1	50	-	-43.05	-78.90	-177.18
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-2.49	-4.69	-11.27

Table B1-18
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Volatile Organic Compound (VOC) 2025

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
New Haven County, CT	PM ₁₀	Maintenance	100	-	-7.64	-13.57	-28.06
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-40.94	-72.80	-151.22
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.59	-1.03	-2.06
New York County, NY	PM ₁₀	Moderate	100	-	-79.93	-139.01	-271.12
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-327.33	-586.56	-1,243.56
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-475.53	-862.24	-1,884.69
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-463.58	-841.29	-1,842.88
Nogales, AZ	PM ₁₀	Moderate	100	-	-1.14	-2.09	-4.64
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-66.88	-119.77	-253.51
Ogden, UT	CO	Maintenance	100	-	-1.13	-2.14	-5.25
Ogden, UT	PM ₁₀	Moderate	100	-	-1.13	-2.14	-5.25
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.06	-0.11	-0.24
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.91	-1.63	-3.45
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-2.82	-5.17	-11.60
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.12	-0.22	-0.48
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.02
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-9.92	-17.51	-35.63
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-10.55	-18.60	-37.70
Payson, AZ	PM ₁₀	Maintenance	100	-	-0.62	-1.13	-2.47
Penns Grove, NJ	CO	Maintenance	100	-	-0.01	-0.02	-0.04
Peoria, IL	SO _x	Maintenance	100	-	-1.30	-2.53	-6.49
Perth Amboy, NJ	CO	Maintenance	100	-	-3.13	-5.61	-11.96
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-8.47	-15.72	-36.37
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-219.88	-391.63	-817.00
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-256.13	-460.11	-981.90
Phoenix, AZ	CO	Maintenance	100	-	-47.20	-94.97	-259.57
Phoenix, AZ	PM ₁₀	Serious	70	-	-49.18	-98.80	-269.25
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-49.35	-99.14	-270.17
Pierce County, WA	PM ₁₀	Maintenance	100	-	-1.29	-2.25	-4.44
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.08	-0.15	-0.30
Pittsburgh, PA	CO	Maintenance	100	-	-1.00	-1.80	-3.79
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-79.82	-143.31	-305.36
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-67.26	-121.16	-260.47
Polk County, TN	SO _x	Maintenance	100	-	-1.75	-3.07	-6.18
Polson, MT	PM ₁₀	Moderate	100	-	-0.10	-0.18	-0.39
Portland, ME	Ozone	Maintenance	100	-	-16.06	-29.29	-64.97
Portland, OR	CO	Maintenance	100	-	-26.20	-48.49	-111.45
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-3.68	-6.46	-12.98
Poughkeepsie, NY	Ozone	Moderate	50	-	-21.79	-41.49	-101.69
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.62	-1.10	-2.24
Providence (entire State), RI	Ozone	Moderate	50	-	-36.97	-66.54	-142.70
Provo, UT	CO	Maintenance	100	-	-3.88	-7.16	-16.32
Raleigh-Durham, NC	CO	Maintenance	100	-	-17.70	-34.27	-86.99
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-27.82	-53.08	-130.64
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.11	-0.19	-0.39
Reading, PA	Ozone	Maintenance	100	-	-9.40	-17.16	-38.14
Reading, PA	PM _{2.5}	Nonattainment	100	-	-9.40	-17.16	-38.14
Reno, NV	CO	Maintenance	100	-	-6.29	-11.54	-25.98
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.06	-0.10	-0.21

Table B1-18
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Volatile Organic Compound (VOC) 2025

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-30.55	-56.17	-127.11
Rillito, AZ	PM ₁₀	Moderate	100	-	-1.29	-2.36	-5.30
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-2.89	-6.84	-23.78
Roanoke, VA	Ozone	Former Subpart 1	50	-	-15.13	-26.83	-55.26
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-3.48	-6.23	-13.15
Rochester, NY	Ozone	Former Subpart 1	50	-	-29.51	-54.71	-126.27
Rocky Mount, NC	Ozone	Maintenance	100	-	-8.30	-14.84	-31.26
Rome, GA	PM _{2.5}	Nonattainment	100	-	-9.22	-16.23	-32.79
Ronan, MT	PM ₁₀	Moderate	100	-	-0.04	-0.07	-0.15
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.18	-0.31	-0.64
Sacramento County, CA	PM ₁₀	Moderate	100	-	-18.94	-36.96	-95.31
Sacramento Metro, CA	Ozone	Severe	25	-	-47.77	-90.09	-216.14
Sacramento, CA	CO	Maintenance	100	-	-21.12	-41.22	-106.31
Salem, OR	CO	Maintenance	100	-	-2.47	-4.63	-10.99
Salt Lake City, UT	CO	Maintenance	100	-	-5.45	-10.01	-22.56
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-17.74	-33.54	-80.94
Salt Lake County, UT	SO _x	Nonattainment	100	-	-15.47	-29.64	-73.55
San Antonio, TX	Ozone	Former Subpart 1	50	-	-123.88	-218.79	-445.98
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-4.46	-8.93	-24.19
San Diego, CA	CO	Maintenance	100	-	-37.53	-76.71	-215.55
San Diego, CA	Ozone	Former Subpart 1	50	-	-37.60	-76.85	-215.94
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-217.08	-392.52	-851.95
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-224.17	-407.21	-894.16
San Joaquin Valley, CA	Ozone	Extreme	10	-	-124.66	-227.94	-508.79
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-125.47	-229.39	-511.85
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-124.66	-227.94	-508.79
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-0.55	-1.04	-2.53
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.08	-0.14	-0.29
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-22.02	-39.88	-86.85
Seattle-Tacoma, WA	CO	Maintenance	100	-	-99.81	-180.60	-392.69
Sheboygan, WI	Ozone	Moderate	50	-	-3.30	-6.03	-13.43
Sheridan, WY	PM ₁₀	Moderate	100	-	-2.96	-5.16	-10.14
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	-0.18	-0.35	-0.97
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-15.55	-28.09	-60.85
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-3.08	-5.81	-13.95
Spokane County, WA	PM ₁₀	Maintenance	100	-	-13.20	-23.59	-49.72
Spokane, WA	CO	Maintenance	100	-	-13.06	-23.35	-49.21
Springfield (western MA), MA	Ozone	Moderate	50	-	-11.23	-21.93	-56.63
Springfield, MA	CO	Maintenance	100	-	-2.09	-4.02	-10.04
St Louis, MO	CO	Maintenance	100	-	-76.58	-134.58	-270.48
St Louis, MO-IL	Ozone	Moderate	50	-	-191.67	-338.75	-691.82
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-191.34	-338.12	-690.31
State College, PA	Ozone	Maintenance	100	-	-1.50	-3.08	-8.72
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.83	-1.48	-3.12
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-5.46	-9.53	-18.78
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-13.89	-24.21	-47.49
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-13.89	-24.21	-47.49

Table B1-18
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Volatile Organic Compound (VOC) 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Stockton, CA	CO	Maintenance	100	-	-10.57	-19.56	-44.92
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-29.36	-52.06	-107.32
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.03	-0.06	-0.14
Terre Haute, IN	Ozone	Maintenance	100	-	-12.42	-21.78	-43.48
Tioga County, PA	Ozone	Maintenance	100	-	-1.05	-1.97	-4.68
Toledo, OH	Ozone	Maintenance	100	-	-36.74	-64.88	-132.19
Toms River, NJ	CO	Maintenance	100	-	-1.07	-2.13	-5.71
Tooele County, UT	SO _x	Nonattainment	100	-	-6.40	-11.31	-23.14
Trenton, NJ	CO	Maintenance	100	-	-1.32	-2.53	-6.29
Trona, CA	PM ₁₀	Moderate	100	-	-0.03	-0.07	-0.18
Tucson, AZ	CO	Maintenance	100	-	-26.26	-48.11	-107.95
Utah County, UT	PM ₁₀	Moderate	100	-	-11.55	-21.31	-48.56
Vancouver, WA	CO	Maintenance	100	-	-6.49	-12.08	-28.13
Ventura County, CA	Ozone	Serious	50	-	-9.41	-18.65	-49.54
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-1.22	-2.13	-4.15
Vigo County, IN	SO _x	Maintenance	100	-	-12.42	-21.78	-43.48
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-0.69	-1.36	-3.52
Warren County, NJ	SO _x	Maintenance	100	-	-0.47	-0.91	-2.33
Warren County, PA	SO _x	Nonattainment	100	-	-0.35	-0.65	-1.48
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-14.71	-25.96	-52.78
Washington, DC-MD-VA	CO	Maintenance	100	-	-17.34	-34.40	-91.61
Washington, DC-MD-VA	Ozone	Moderate	50	-	-71.34	-138.54	-353.66
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-66.30	-129.54	-334.71
Washoe County, NV	PM ₁₀	Serious	70	-	-6.29	-11.54	-25.98
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.44	-0.77	-1.53
Wayne County, IN	SO _x	Maintenance	100	-	-5.36	-9.43	-19.09
Wayne County, MI	PM ₁₀	Maintenance	100	-	-10.78	-18.79	-36.84
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.92	-1.61	-3.20
Weirton, WV	SO _x	Maintenance	100	-	-1.21	-2.13	-4.24
Wheeling, WV-OH	Ozone	Maintenance	100	-	-13.42	-23.55	-47.14
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-13.42	-23.55	-47.14
Winston-Salem, NC	CO	Maintenance	100	-	-12.79	-23.22	-50.94
Worcester, MA	CO	Maintenance	100	-	-2.10	-4.24	-11.71
Yakima County, WA	PM ₁₀	Maintenance	100	-	-5.81	-10.28	-21.05
Yakima, WA	CO	Maintenance	100	-	-2.39	-4.23	-8.66
York, PA	Ozone	Maintenance	100	-	-13.50	-24.55	-54.02
York, PA	PM _{2.5}	Nonattainment	100	-	-8.67	-15.94	-36.05
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-17.37	-31.77	-70.97
Yuma, AZ	PM ₁₀	Moderate	100	-	-6.21	-11.23	-24.42

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

Table B1-19
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Volatile Organic Compound (VOC) 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.28	-0.68	-1.44
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.17	-0.57	-1.59
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.18	-0.60	-1.65
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-67.51	-208.30	-545.13
Albuquerque, NM	CO	Maintenance	100	-	-26.63	-85.98	-232.79
Allegan County, MI	Ozone	Former Subpart 1	50	-	-12.18	-33.81	-80.81
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-18.20	-68.28	-203.42
Altoona, PA	Ozone	Maintenance	100	-	-11.62	-29.61	-64.78
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-0.12	-10.20	-46.77
Anchorage, AK	CO	Maintenance	100	-	-19.40	-49.15	-106.83
Anthony, NM	PM ₁₀	Moderate	100	-	-0.95	-2.41	-5.22
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.02	-0.29	-1.20
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.92	-2.33	-5.09
Atlanta, GA	Ozone	Moderate	50	-	-315.44	-1,023.44	-2,780.81
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-315.88	-1,024.53	-2,783.13
Atlantic City, NJ	CO	Maintenance	100	-	-0.83	-4.22	-14.44
Bakersfield, CA	CO	Maintenance	100	-	-39.68	-108.37	-254.96
Baltimore, MD	CO	Maintenance	100	-	-0.99	-2.60	-5.89
Baltimore, MD	Ozone	Moderate	50	-	-56.81	-273.34	-915.34
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-56.81	-273.34	-915.33
Baton Rouge, LA	Ozone	Moderate	50	-	-197.46	-459.57	-897.51
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-337.08	-743.12	-1,339.40
Benton County, TN	SO _x	Maintenance	100	-	-0.36	-0.83	-1.59
Benton Harbor, MI	Ozone	Maintenance	100	-	-25.35	-62.53	-131.67
Benzie County, MI	Ozone	Maintenance	100	-	-2.37	-6.36	-14.71
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-16.36	-42.61	-95.48
Billings, MT	CO	Maintenance	100	-	-91.62	-200.45	-356.92
Birmingham, AL	Ozone	Maintenance	100	-	-48.87	-153.11	-405.46
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-49.22	-154.04	-407.55
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-47.44	-118.66	-254.02
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-47.44	-118.66	-254.02
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-2.14	-5.52	-12.21
Boston, MA	CO	Maintenance	100	-	-19.46	-83.00	-264.05
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-73.78	-410.38	-1,446.64
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-5.14	-43.98	-172.45
Boyd County (part), KY	SO _x	Maintenance	100	-	-5.64	-12.57	-23.03
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-44.01	-149.73	-420.32
Burlington, NJ	CO	Maintenance	100	-	-0.13	-0.61	-2.04
Butte, MT	PM ₁₀	Moderate	100	-	-7.52	-17.06	-32.15
Canon City, CO	PM ₁₀	Maintenance	100	-	-3.37	-8.30	-17.42
Canton-Massillon, OH	Ozone	Maintenance	100	-	-37.63	-94.59	-203.68
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-37.63	-94.59	-203.68
Case County, MI	Ozone	Maintenance	100	-	-4.75	-12.29	-27.31
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.14	-0.34	-0.70
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-1.68	-3.88	-7.50
Charleston, WV	Ozone	Maintenance	100	-	-10.53	-35.11	-97.21
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-10.53	-35.11	-97.21
Charlotte, NC	CO	Maintenance	100	-	-20.16	-81.61	-253.13
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-86.70	-270.83	-715.57

Table B1-19
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Volatile Organic Compound (VOC) 2040

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-89.63	-218.73	-454.57
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-81.99	-200.21	-416.34
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-250.22	-892.66	-2,582.14
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-266.18	-938.98	-2,697.43
Chico, CA	CO	Maintenance	100	-	-5.46	-18.12	-50.05
Chico, CA	Ozone	Former Subpart 1	50	-	-12.00	-39.83	-109.99
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-81.16	-271.50	-753.51
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-74.82	-254.87	-716.00
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-1.03	-2.81	-6.61
Clark County, NV	PM ₁₀	Serious	70	-	-39.86	-167.61	-529.68
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-49.58	-119.85	-246.11
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-27.74	-68.23	-143.14
Cleveland, OH	CO	Maintenance	100	-	-46.41	-141.35	-366.15
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-84.69	-304.31	-884.14
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-77.84	-279.59	-812.07
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.87	-34.54	-166.32
Colbert County, AL	SO _x	Maintenance	100	-	-8.46	-20.82	-43.71
Colorado Springs, CO	CO	Maintenance	100	-	-57.94	-155.74	-360.63
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.91	-2.25	-4.76
Columbia, SC	Ozone	Former Subpart 1	50	-	-97.95	-242.52	-512.96
Columbus, OH	Ozone	Maintenance	100	-	-94.83	-291.13	-758.92
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-79.88	-252.86	-674.78
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.13	-0.42	-1.15
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.02	-0.05	-0.14
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-46.42	-141.35	-366.16
Cuyahoga County, OH	SO _x	Maintenance	100	-	-38.60	-117.54	-304.45
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-289.32	-990.89	-2,793.59
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-42.52	-130.35	-339.42
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-36.75	-113.31	-296.38
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-65.03	-295.68	-967.65
Denver-Boulder, CO	CO	Maintenance	100	-	-64.38	-287.45	-933.40
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-134.81	-477.84	-1,376.81
Detroit, MI	CO	Maintenance	100	-	-94.24	-273.20	-679.21
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-232.67	-725.90	-1,916.11
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-221.66	-698.00	-1,855.51
Door County, WI	Ozone	Former Subpart 1	50	-	-0.32	-2.57	-9.95
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-1.53	-4.98	-13.53
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-1.24	-4.01	-10.91
Duluth, MN	CO	Maintenance	100	-	-11.20	-27.80	-59.01
Eagle River, AK	PM ₁₀	Moderate	100	-	-1.20	-3.05	-6.63
East Chicago, IN	CO	Maintenance	100	-	-0.10	-0.27	-0.61
East Chicago, IN	PM ₁₀	Maintenance	100	-	-66.52	-152.57	-291.87
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.14	-0.36	-0.76
El Paso County, TX	PM ₁₀	Moderate	100	-	-36.44	-102.83	-249.55
El Paso, TX	CO	Maintenance	100	-	-1.78	-5.35	-13.70
Erie, PA	Ozone	Maintenance	100	-	-10.69	-33.64	-89.40
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.03	-0.14	-0.48

Table B1-19
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Volatile Organic Compound (VOC) 2040

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Eugene-Springfield, OR	CO	Maintenance	100	-	-30.89	-77.98	-168.76
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-29.60	-74.73	-161.72
Evansville, IN	Ozone	Maintenance	100	-	-18.89	-52.82	-127.07
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-31.98	-84.31	-191.36
Fairbanks, AK	CO	Maintenance	100	-	-4.07	-9.67	-19.40
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-8.39	-32.46	-98.39
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-1.19	-2.93	-6.19
Flint, MI	Ozone	Maintenance	100	-	-21.77	-71.47	-195.81
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.16	-0.40	-0.82
Fort Collins, CO	CO	Maintenance	100	-	-12.89	-37.15	-91.87
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.11	-0.27	-0.55
Fort Wayne, IN	Ozone	Maintenance	100	-	-56.63	-139.60	-293.73
Franklin County, PA	Ozone	Maintenance	100	-	-19.72	-50.00	-108.78
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.11	-0.28	-0.58
Frederick County, VA	Ozone	Former Subpart 1	50	-	-32.48	-76.23	-150.62
Fredericksburg, VA	Ozone	Maintenance	100	-	-29.46	-85.74	-213.90
Freehold, NJ	CO	Maintenance	100	-	-0.29	-1.58	-5.56
Fresno, CA	CO	Maintenance	100	-	-11.86	-56.42	-188.13
Grand Rapids, MI	Ozone	Maintenance	100	-	-50.23	-149.38	-379.57
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-4.22	-10.91	-24.21
Grant County, NM	SO _x	Maintenance	100	-	-0.55	-1.29	-2.58
Grants Pass, OR	CO	Maintenance	100	-	-0.06	-0.15	-0.34
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-4.45	-11.33	-24.73
Great Falls, MT	CO	Maintenance	100	-	-4.22	-9.92	-19.63
Greater Connecticut, CT	Ozone	Moderate	50	-	-54.25	-194.83	-565.88
Greeley, CO	CO	Maintenance	100	-	-20.60	-50.62	-106.09
Green Bay, WI	SO _x	Maintenance	100	-	-6.35	-19.77	-52.08
Greene County, IN	Ozone	Maintenance	100	-	-12.93	-30.17	-59.10
Greene County, PA	Ozone	Maintenance	100	-	-8.85	-21.15	-42.82
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-81.40	-253.29	-667.23
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-36.27	-116.30	-313.38
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-163.53	-393.76	-804.60
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-0.89	-2.99	-8.34
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-7.68	-22.17	-54.93
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-27.43	-102.36	-304.02
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-27.51	-99.15	-288.58
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-28.49	-111.21	-338.59
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.32	-1.23	-3.70
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-1.87	-6.14	-16.80
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.12	-0.49	-1.55
Hazelwood, PA	SO _x	Maintenance	100	-	-3.33	-9.08	-21.34
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-8.04	-25.53	-68.29
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-14.46	-44.93	-118.24
Hollis Township, IL	SO _x	Maintenance	100	-	-0.05	-0.21	-0.68
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-1,234.85	-2,939.18	-5,916.37
Humphreys County, TN	SO _x	Maintenance	100	-	-0.56	-1.33	-2.70
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-139.35	-313.49	-582.94
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-115.21	-254.92	-462.11
Huron County, MI	Ozone	Maintenance	100	-	-3.23	-8.26	-18.17

Table B1-19
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Volatile Organic Compound (VOC) 2040

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Imperial County, CA	Ozone	Moderate	50	-	-7.59	-28.19	-83.47
Imperial Valley, CA	PM ₁₀	Serious	70	-	-7.43	-27.58	-81.69
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-2.13	-6.14	-15.23
Indianapolis, IN	CO	Maintenance	100	-	-0.08	-0.22	-0.51
Indianapolis, IN	Ozone	Maintenance	100	-	-119.92	-359.00	-917.13
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-91.03	-276.10	-712.86
Jackson County, IN	Ozone	Maintenance	100	-	-20.29	-47.40	-93.02
Jamestown, NY	Ozone	Former Subpart 1	50	-	-10.19	-29.30	-72.32
Jefferson County, NY	Ozone	Moderate	50	-	-3.50	-13.49	-40.77
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-1.82	-4.25	-8.31
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-47.17	-111.57	-222.71
Johnstown, PA	Ozone	Maintenance	100	-	-9.64	-24.94	-55.47
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-12.63	-31.79	-68.57
Juneau, AK	PM ₁₀	Moderate	100	-	-3.40	-7.91	-15.44
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-43.06	-116.67	-272.28
Kalispell, MT	PM ₁₀	Moderate	100	-	-4.82	-11.91	-25.16
Kansas City, MO-KS	Ozone	Maintenance	100	-	-186.59	-485.52	-1,086.73
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.58	-6.07	-31.91
Kent, WA	PM ₁₀	Maintenance	100	-	-1.70	-5.00	-12.57
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-5.40	-15.61	-38.70
Kewaunee County, WI	Ozone	Maintenance	100	-	-1.13	-3.60	-9.62
King County, WA	PM ₁₀	Maintenance	100	-	-0.67	-1.98	-4.97
Klamath Falls, OR	CO	Maintenance	100	-	-8.03	-19.59	-40.69
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-8.03	-19.59	-40.69
Knoxville, TN	Ozone	Former Subpart 1	50	-	-173.95	-436.03	-935.83
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-144.41	-357.78	-757.36
La Porte County, IN	SO _x	Maintenance	100	-	-5.76	-13.97	-28.77
LaGrande, OR	PM ₁₀	Maintenance	100	-	-3.19	-7.58	-15.23
Lake County, IN	SO _x	Maintenance	100	-	-30.78	-80.17	-179.68
Lake County, OH	SO _x	Maintenance	100	-	-0.64	-3.06	-10.24
Lake County, OR	PM ₁₀	Maintenance	100	-	-1.10	-2.64	-5.38
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.02	-1.73	-8.20
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-0.09	-4.10	-18.50
Lake Tahoe, NV	CO	Maintenance	100	-	-0.63	-2.34	-6.92
Lamar, CO	PM ₁₀	Maintenance	100	-	-3.66	-8.28	-15.52
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.06	-0.20	-0.52
Lancaster, PA	Ozone	Maintenance	100	-	-7.01	-37.44	-130.24
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-7.01	-37.44	-130.24
Lane County, OR	PM ₁₀	Moderate	100	-	-0.17	-0.42	-0.90
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-10.98	-46.83	-148.96
LaPorte, IN	Ozone	Maintenance	100	-	-16.06	-38.91	-80.16
Las Vegas, NV	CO	Serious	100	-	-39.86	-167.61	-529.68
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-40.35	-169.68	-536.22
Lauderdale County, AL	SO _x	Maintenance	100	-	-1.88	-8.11	-25.92
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.26	-0.64	-1.35
Libby, MT	PM ₁₀	Moderate	100	-	-0.42	-1.09	-2.47
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.56	-1.46	-3.29
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-1.03	-2.81	-6.61
Lima, OH	Ozone	Maintenance	100	-	-37.41	-85.51	-162.79

Table B1-19
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Volatile Organic Compound (VOC) 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Longmont, CO	CO	Maintenance	100	-	-0.49	-5.98	-24.75
Lorain County, OH	SO _x	Maintenance	100	-	-1.27	-4.98	-15.17
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-445.34	-1,744.03	-5,318.83
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	-445.34	-1,744.03	-5,318.82
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-445.34	-1,744.03	-5,318.82
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-445.35	-1,744.06	-5,318.89
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-445.32	-1,743.95	-5,318.57
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-13.46	-64.91	-217.59
Louisville, KY-IN	Ozone	Maintenance	100	-	-52.44	-166.49	-445.34
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-53.41	-166.38	-438.66
Lowell, MA	CO	Maintenance	100	-	-2.10	-10.29	-34.72
Lucas County, OH	SO _x	Maintenance	100	-	-13.73	-43.17	-114.63
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-1.73	-6.57	-19.71
Macon, GA	Ozone	Maintenance	100	-	-35.96	-86.76	-177.70
Macon, GA	PM _{2.5}	Nonattainment	100	-	-35.69	-86.05	-176.15
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.26	-0.68	-1.56
Madison, WI	SO _x	Maintenance	100	-	-10.56	-35.79	-100.23
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.68	-2.06	-5.30
Manchester, NH	CO	Maintenance	100	-	-0.01	-3.51	-16.30
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-1.46	-7.90	-27.57
Marion County, IN	SO _x	Maintenance	100	-	-29.35	-77.53	-176.38
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-2.29	-11.32	-38.32
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-39.10	-99.64	-217.96
Mason County, MI	Ozone	Maintenance	100	-	-2.38	-6.41	-14.91
Medford, OR	CO	Maintenance	100	-	-0.86	-6.09	-22.94
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-2.06	-14.60	-55.03
Memphis, TN-AR	Ozone	Maintenance	100	-	-89.06	-237.62	-546.08
Memphis, TN	CO	Maintenance	100	-	-55.45	-161.86	-404.79
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-1.61	-5.03	-13.30
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.36	-1.00	-2.42
Milwaukee, WI	SO _x	Maintenance	100	-	-25.11	-78.57	-207.90
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-66.40	-230.61	-656.02
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-290.65	-770.04	-1,756.86
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-206.99	-586.11	-1,426.75
Missoula, MT	CO	Maintenance	100	-	-18.11	-42.01	-81.64
Missoula, MT	PM ₁₀	Moderate	100	-	-17.53	-40.67	-79.04
Modesto, CA	CO	Maintenance	100	-	-15.04	-49.50	-135.84
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-4.74	-16.02	-44.74
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.10	-0.29	-0.74
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.18	-0.55	-1.41
Morristown, NJ	CO	Maintenance	100	-	-0.60	-3.07	-10.52
Muhlenberg County, KY	SO _x	Maintenance	100	-	-3.95	-9.82	-20.88
Muncie, IN	Ozone	Maintenance	100	-	-29.34	-68.13	-132.63
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.54	-1.39	-3.10
Muscatine County, IA	SO _x	Maintenance	100	-	-2.04	-5.14	-11.08
Muskegon, MI	Ozone	Maintenance	100	-	-14.55	-37.63	-83.69
Nashua, NH	CO	Maintenance	100	-	-0.01	-2.83	-13.12
Nashville, TN	Ozone	Former Subpart 1	50	-	-71.46	-237.18	-654.78
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-3.28	-15.53	-51.72

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Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
New Haven County, CT	PM ₁₀	Maintenance	100	-	-15.83	-41.36	-93.02
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-75.31	-198.94	-452.50
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-1.18	-2.82	-5.66
New York County, NY	PM ₁₀	Moderate	100	-	-155.02	-353.87	-672.40
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-591.20	-1,645.20	-3,940.89
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-828.69	-2,504.30	-6,446.92
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-806.13	-2,449.39	-6,333.20
Nogales, AZ	PM ₁₀	Moderate	100	-	-1.90	-6.15	-16.67
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-120.69	-335.37	-802.27
Ogden, UT	CO	Maintenance	100	-	-1.73	-7.05	-21.93
Ogden, UT	PM ₁₀	Moderate	100	-	-1.73	-7.05	-21.93
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.08	-0.28	-0.78
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-1.41	-3.99	-9.66
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-4.53	-15.43	-43.34
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.22	-0.69	-1.85
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.01	-0.03	-0.07
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-18.62	-46.80	-100.78
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-19.91	-49.62	-105.80
Payson, AZ	PM ₁₀	Maintenance	100	-	-1.03	-3.23	-8.56
Penns Grove, NJ	CO	Maintenance	100	-	-0.02	-0.06	-0.17
Peoria, IL	SO _x	Maintenance	100	-	-1.94	-8.80	-28.75
Perth Amboy, NJ	CO	Maintenance	100	-	-6.16	-17.56	-43.04
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-14.33	-48.28	-134.64
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-402.48	-1,077.76	-2,486.13
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-458.43	-1,299.75	-3,167.75
Phoenix, AZ	CO	Maintenance	100	-	-41.20	-366.07	-1,445.31
Phoenix, AZ	PM ₁₀	Serious	70	-	-43.72	-379.09	-1,490.11
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-43.85	-380.19	-1,494.40
Pierce County, WA	PM ₁₀	Maintenance	100	-	-2.39	-5.63	-11.17
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.16	-0.40	-0.84
Pittsburgh, PA	CO	Maintenance	100	-	-2.21	-6.04	-14.21
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-143.96	-403.52	-973.14
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-120.43	-344.76	-847.64
Polk County, TN	SO _x	Maintenance	100	-	-3.31	-8.11	-16.95
Polson, MT	PM ₁₀	Moderate	100	-	-0.19	-0.57	-1.45
Portland, ME	Ozone	Maintenance	100	-	-27.36	-86.28	-229.60
Portland, OR	CO	Maintenance	100	-	-43.25	-148.97	-421.54
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-6.86	-16.82	-35.13
Poughkeepsie, NY	Ozone	Moderate	50	-	-30.62	-138.59	-452.65
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-1.23	-3.06	-6.50
Providence (entire State), RI	Ozone	Moderate	50	-	-65.26	-189.42	-471.41
Provo, UT	CO	Maintenance	100	-	-6.42	-22.49	-64.35
Raleigh-Durham, NC	CO	Maintenance	100	-	-23.54	-118.88	-405.44
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-39.46	-177.63	-578.81
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.19	-0.49	-1.10
Reading, PA	Ozone	Maintenance	100	-	-16.14	-50.76	-134.78
Reading, PA	PM _{2.5}	Nonattainment	100	-	-16.14	-50.76	-134.78
Reno, NV	CO	Maintenance	100	-	-10.42	-34.36	-94.44
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.12	-0.31	-0.69

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-51.26	-169.69	-467.62
Rillito, AZ	PM ₁₀	Moderate	100	-	-2.26	-7.54	-20.93
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.87	-34.54	-166.32
Roanoke, VA	Ozone	Former Subpart 1	50	-	-28.09	-72.72	-161.87
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-6.04	-17.02	-41.27
Rochester, NY	Ozone	Former Subpart 1	50	-	-48.47	-168.86	-481.27
Rocky Mount, NC	Ozone	Maintenance	100	-	-15.14	-41.25	-96.79
Rome, GA	PM _{2.5}	Nonattainment	100	-	-17.36	-43.06	-91.26
Ronan, MT	PM ₁₀	Moderate	100	-	-0.07	-0.22	-0.55
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.31	-0.79	-1.71
Sacramento County, CA	PM ₁₀	Moderate	100	-	-22.58	-131.72	-471.23
Sacramento Metro, CA	Ozone	Severe	25	-	-66.40	-295.29	-957.19
Sacramento, CA	CO	Maintenance	100	-	-24.44	-146.03	-526.18
Salem, OR	CO	Maintenance	100	-	-3.83	-14.49	-43.34
Salt Lake City, UT	CO	Maintenance	100	-	-9.11	-30.32	-83.83
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-26.81	-109.28	-340.17
Salt Lake County, UT	SO _x	Nonattainment	100	-	-22.34	-99.67	-323.55
San Antonio, TX	Ozone	Former Subpart 1	50	-	-229.48	-587.77	-1,293.02
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-4.37	-31.73	-120.27
San Diego, CA	CO	Maintenance	100	-	-34.68	-300.63	-1,181.67
San Diego, CA	Ozone	Former Subpart 1	50	-	-34.74	-301.20	-1,183.91
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-373.21	-1,136.68	-2,944.59
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-380.24	-1,194.40	-3,169.11
San Joaquin Valley, CA	Ozone	Extreme	10	-	-203.41	-687.74	-1,922.53
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-204.44	-690.72	-1,929.93
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-203.41	-687.74	-1,922.53
San Manual (Pinal County), AZ	SO _x	Maintenance	100	-	-0.81	-3.55	-11.42
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.16	-0.38	-0.76
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-38.60	-115.30	-294.01
Seattle-Tacoma, WA	CO	Maintenance	100	-	-171.31	-521.28	-1,349.39
Sheboygan, WI	Ozone	Moderate	50	-	-5.57	-17.93	-48.41
Sheridan, WY	PM ₁₀	Moderate	100	-	-5.47	-12.79	-25.15
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.01
Somerville, NJ	CO	Maintenance	100	-	-0.21	-1.32	-4.85
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-27.39	-80.73	-203.56
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-4.39	-16.66	-49.95
Spokane County, WA	PM ₁₀	Maintenance	100	-	-23.30	-65.22	-157.09
Spokane, WA	CO	Maintenance	100	-	-23.04	-64.50	-155.35
Springfield (western MA), MA	Ozone	Moderate	50	-	-15.62	-76.73	-258.97
Springfield, MA	CO	Maintenance	100	-	-3.36	-14.42	-46.00
St Louis, MO	CO	Maintenance	100	-	-146.91	-355.46	-730.80
St Louis, MO-IL	Ozone	Moderate	50	-	-358.62	-909.19	-1,977.16
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-358.10	-907.17	-1,970.99
State College, PA	Ozone	Maintenance	100	-	-1.53	-12.06	-46.52
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-1.51	-4.31	-10.54
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-10.50	-24.48	-47.89
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-26.88	-62.04	-119.75
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-26.88	-62.04	-119.75

Table B1-19
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Volatile Organic Compound (VOC) 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Stockton, CA	CO	Maintenance	100	-	-16.90	-62.24	-183.52
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-54.51	-141.22	-314.64
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.05	-0.20	-0.61
Terre Haute, IN	Ozone	Maintenance	100	-	-23.77	-56.90	-115.42
Tioga County, PA	Ozone	Maintenance	100	-	-1.71	-6.25	-18.33
Toledo, OH	Ozone	Maintenance	100	-	-68.88	-173.67	-375.28
Toms River, NJ	CO	Maintenance	100	-	-1.36	-8.25	-29.86
Tooele County, UT	SO _x	Nonattainment	100	-	-11.83	-30.50	-67.58
Trenton, NJ	CO	Maintenance	100	-	-2.07	-8.80	-27.98
Trona, CA	PM ₁₀	Moderate	100	-	-0.03	-0.25	-0.94
Tucson, AZ	CO	Maintenance	100	-	-43.31	-144.81	-401.81
Utah County, UT	PM ₁₀	Moderate	100	-	-18.62	-65.27	-186.75
Vancouver, WA	CO	Maintenance	100	-	-9.65	-37.55	-114.13
Ventura County, CA	Ozone	Serious	50	-	-10.50	-68.62	-253.50
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-2.35	-5.37	-10.23
Vigo County, IN	SO _x	Maintenance	100	-	-23.77	-56.90	-115.42
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-0.98	-4.83	-16.28
Warren County, NJ	SO _x	Maintenance	100	-	-0.64	-3.16	-10.66
Warren County, PA	SO _x	Nonattainment	100	-	-0.60	-1.93	-5.20
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-27.54	-69.38	-149.78
Washington, DC-MD-VA	CO	Maintenance	100	-	-23.36	-127.97	-448.90
Washington, DC-MD-VA	Ozone	Moderate	50	-	-95.22	-482.98	-1,649.82
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-86.34	-457.74	-1,588.15
Washoe County, NV	PM ₁₀	Serious	70	-	-10.42	-34.36	-94.44
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.83	-1.98	-3.98
Wayne County, IN	SO _x	Maintenance	100	-	-10.28	-25.23	-52.81
Wayne County, MI	PM ₁₀	Maintenance	100	-	-22.06	-51.52	-101.06
Weirton, WV	PM ₁₀	Maintenance	100	-	-1.65	-3.95	-7.98
Weirton, WV	SO _x	Maintenance	100	-	-2.23	-5.32	-10.74
Wheeling, WV-OH	Ozone	Maintenance	100	-	-25.65	-61.68	-125.84
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-25.65	-61.68	-125.84
Winston-Salem, NC	CO	Maintenance	100	-	-22.11	-67.77	-176.43
Worcester, MA	CO	Maintenance	100	-	-2.41	-16.52	-61.77
Yakima County, WA	PM ₁₀	Maintenance	100	-	-10.46	-27.11	-60.42
Yakima, WA	CO	Maintenance	100	-	-4.71	-12.21	-27.23
York, PA	Ozone	Maintenance	100	-	-23.07	-72.04	-190.25
York, PA	PM _{2.5}	Nonattainment	100	-	-14.35	-48.26	-134.38
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-30.38	-94.02	-246.64
Yuma, AZ	PM ₁₀	Moderate	100	-	-10.56	-32.58	-85.26

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

Table B1-20
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Volatile Organic Compound (VOC) 2060

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.18	-0.61	-1.53
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.11	-0.57	-1.93
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.11	-0.59	-2.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-47.46	-217.90	-677.90
Albuquerque, NM	CO	Maintenance	100	-	-17.66	-87.59	-283.74
Allegan County, MI	Ozone	Former Subpart 1	50	-	-8.20	-33.79	-98.43
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-12.68	-74.34	-259.17
Altoona, PA	Ozone	Maintenance	100	-	-8.03	-28.39	-73.63
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-0.37	-16.23	-75.62
Anchorage, AK	CO	Maintenance	100	-	-12.62	-45.84	-121.69
Anthony, NM	PM ₁₀	Moderate	100	-	-0.56	-2.05	-5.46
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.04	-0.43	-1.77
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.57	-2.10	-5.67
Atlanta, GA	Ozone	Moderate	50	-	-202.09	-1,045.51	-3,456.35
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-202.30	-1,046.26	-3,458.30
Atlantic City, NJ	CO	Maintenance	100	-	-0.66	-4.97	-18.81
Bakersfield, CA	CO	Maintenance	100	-	-23.84	-99.30	-291.34
Baltimore, MD	CO	Maintenance	100	-	-0.74	-2.70	-7.19
Baltimore, MD	Ozone	Moderate	50	-	-44.40	-330.06	-1,245.30
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-44.40	-330.05	-1,245.29
Baton Rouge, LA	Ozone	Moderate	50	-	-127.38	-406.20	-954.43
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-224.20	-656.63	-1,397.58
Benton County, TN	SO _x	Maintenance	100	-	-0.24	-0.74	-1.68
Benton Harbor, MI	Ozone	Maintenance	100	-	-16.88	-57.37	-143.59
Benzie County, MI	Ozone	Maintenance	100	-	-1.63	-6.43	-18.20
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-10.12	-38.69	-106.92
Billings, MT	CO	Maintenance	100	-	-60.40	-175.19	-368.22
Birmingham, AL	Ozone	Maintenance	100	-	-35.33	-161.26	-500.08
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-35.60	-162.26	-502.73
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-28.88	-104.40	-275.98
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-28.88	-104.40	-275.98
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-1.47	-5.49	-14.89
Boston, MA	CO	Maintenance	100	-	-15.24	-96.81	-347.66
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-62.75	-510.83	-1,974.76
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-4.98	-58.59	-244.18
Boyd County (part), KY	SO _x	Maintenance	100	-	-4.24	-12.52	-26.97
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-32.80	-163.71	-532.07
Burlington, NJ	CO	Maintenance	100	-	-0.08	-0.52	-1.88
Butte, MT	PM ₁₀	Moderate	100	-	-4.88	-14.85	-33.10
Canon City, CO	PM ₁₀	Maintenance	100	-	-2.52	-8.64	-21.81
Canton-Massillon, OH	Ozone	Maintenance	100	-	-25.67	-89.75	-230.59
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-25.67	-89.75	-230.59
Case County, MI	Ozone	Maintenance	100	-	-3.28	-11.93	-31.68
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.11	-0.37	-0.90
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-1.01	-3.16	-7.29
Charleston, WV	Ozone	Maintenance	100	-	-7.81	-37.27	-118.36
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-7.81	-37.27	-118.36
Charlotte, NC	CO	Maintenance	100	-	-13.10	-89.92	-331.27
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-54.17	-268.59	-870.01

Table B1-20
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Volatile Organic Compound (VOC) 2060

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-57.71	-196.58	-493.19
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-52.84	-180.36	-453.35
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-182.64	-993.31	-3,358.15
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-193.31	-1,039.55	-3,497.25
Chico, CA	CO	Maintenance	100	-	-3.79	-20.49	-69.14
Chico, CA	Ozone	Former Subpart 1	50	-	-7.93	-42.94	-144.84
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-56.23	-287.17	-943.64
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-52.13	-271.46	-900.12
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.71	-2.66	-7.23
Clark County, NV	PM ₁₀	Serious	70	-	-25.98	-190.89	-717.81
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-31.96	-108.39	-270.84
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-18.93	-64.52	-161.95
Cleveland, OH	CO	Maintenance	100	-	-33.98	-145.91	-436.45
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-63.58	-336.35	-1,123.33
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-58.52	-308.65	-1,029.41
Coachella Valley, CA	PM ₁₀	Serious	70	-	-0.17	-54.28	-261.43
Colbert County, AL	SO _x	Maintenance	100	-	-5.81	-19.54	-48.47
Colorado Springs, CO	CO	Maintenance	100	-	-37.54	-149.72	-426.57
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.57	-2.01	-5.26
Columbia, SC	Ozone	Former Subpart 1	50	-	-63.92	-223.02	-571.88
Columbus, OH	Ozone	Maintenance	100	-	-63.13	-298.91	-945.63
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-53.49	-263.40	-850.34
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.10	-0.42	-1.26
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.01	-0.05	-0.15
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-33.98	-145.91	-436.45
Cuyahoga County, OH	SO _x	Maintenance	100	-	-34.87	-141.53	-408.17
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-187.70	-1,047.48	-3,580.24
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-30.41	-134.95	-411.77
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-26.42	-117.70	-359.94
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-45.74	-345.64	-1,310.05
Denver-Boulder, CO	CO	Maintenance	100	-	-45.01	-333.97	-1,259.38
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-89.05	-512.73	-1,774.94
Detroit, MI	CO	Maintenance	100	-	-80.97	-306.53	-840.70
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-167.65	-769.95	-2,395.80
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-160.09	-743.05	-2,325.58
Door County, WI	Ozone	Former Subpart 1	50	-	-0.32	-3.47	-14.29
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-0.93	-4.76	-15.64
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-0.77	-3.92	-12.89
Duluth, MN	CO	Maintenance	100	-	-7.74	-26.51	-66.86
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.81	-2.95	-7.83
East Chicago, IN	CO	Maintenance	100	-	-0.07	-0.24	-0.66
East Chicago, IN	PM ₁₀	Maintenance	100	-	-44.01	-136.40	-310.69
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.09	-0.32	-0.83
El Paso County, TX	PM ₁₀	Moderate	100	-	-23.22	-98.54	-292.61
El Paso, TX	CO	Maintenance	100	-	-1.08	-5.01	-15.67
Erie, PA	Ozone	Maintenance	100	-	-7.83	-35.60	-110.20
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.03	-0.19	-0.73

Table B1-20
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Volatile Organic Compound (VOC) 2060

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Eugene-Springfield, OR	CO	Maintenance	100	-	-20.31	-73.03	-192.23
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-19.51	-70.17	-184.71
Evansville, IN	Ozone	Maintenance	100	-	-12.66	-51.63	-149.32
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-20.96	-79.19	-216.91
Fairbanks, AK	CO	Maintenance	100	-	-2.51	-8.35	-20.54
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-6.47	-37.28	-129.07
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.73	-2.61	-6.82
Flint, MI	Ozone	Maintenance	100	-	-16.09	-77.07	-245.33
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.12	-0.37	-0.86
Fort Collins, CO	CO	Maintenance	100	-	-8.18	-36.40	-111.29
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.07	-0.23	-0.56
Fort Wayne, IN	Ozone	Maintenance	100	-	-36.98	-128.00	-325.87
Franklin County, PA	Ozone	Maintenance	100	-	-12.24	-44.80	-119.67
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.09	-0.30	-0.73
Frederick County, VA	Ozone	Former Subpart 1	50	-	-19.99	-64.95	-155.60
Fredericksburg, VA	Ozone	Maintenance	100	-	-18.95	-85.45	-263.16
Freehold, NJ	CO	Maintenance	100	-	-0.29	-2.28	-8.79
Fresno, CA	CO	Maintenance	100	-	-7.78	-64.73	-251.62
Grand Rapids, MI	Ozone	Maintenance	100	-	-33.68	-151.57	-466.28
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-2.64	-9.65	-25.72
Grant County, NM	SO _x	Maintenance	100	-	-0.33	-1.06	-2.55
Grants Pass, OR	CO	Maintenance	100	-	-0.04	-0.15	-0.40
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-3.03	-11.07	-29.51
Great Falls, MT	CO	Maintenance	100	-	-2.90	-9.16	-21.30
Greater Connecticut, CT	Ozone	Moderate	50	-	-40.11	-213.73	-716.15
Greeley, CO	CO	Maintenance	100	-	-12.71	-44.58	-114.89
Green Bay, WI	SO _x	Maintenance	100	-	-4.09	-19.65	-62.62
Greene County, IN	Ozone	Maintenance	100	-	-8.71	-27.70	-64.92
Greene County, PA	Ozone	Maintenance	100	-	-6.00	-19.66	-47.49
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-54.34	-255.33	-804.42
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-24.28	-118.01	-378.47
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-101.62	-340.77	-842.39
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-0.62	-3.17	-10.38
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-5.40	-22.71	-67.04
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-19.25	-113.25	-395.35
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-19.14	-108.29	-372.24
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-21.32	-123.52	-428.60
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.21	-1.36	-4.90
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-1.26	-6.57	-21.84
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.11	-0.63	-2.18
Hazelwood, PA	SO _x	Maintenance	100	-	-2.80	-10.48	-28.51
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-5.54	-25.98	-81.75
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-10.22	-46.54	-144.14
Hollis Township, IL	SO _x	Maintenance	100	-	-0.04	-0.23	-0.84
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-789.93	-2,616.76	-6,392.47
Humphreys County, TN	SO _x	Maintenance	100	-	-0.39	-1.27	-3.08
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-92.60	-278.89	-614.47
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-76.77	-225.54	-481.91
Huron County, MI	Ozone	Maintenance	100	-	-2.23	-7.97	-20.86

Table B1-20
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Volatile Organic Compound (VOC) 2060

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Imperial County, CA	Ozone	Moderate	50	-	-4.73	-30.27	-109.00
Imperial Valley, CA	PM ₁₀	Serious	70	-	-4.63	-29.65	-106.78
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-1.13	-5.15	-16.01
Indianapolis, IN	CO	Maintenance	100	-	-0.05	-0.18	-0.50
Indianapolis, IN	Ozone	Maintenance	100	-	-81.17	-366.13	-1,127.72
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-61.65	-283.06	-880.63
Jackson County, IN	Ozone	Maintenance	100	-	-13.32	-42.49	-99.83
Jamestown, NY	Ozone	Former Subpart 1	50	-	-7.24	-29.98	-87.61
Jefferson County, NY	Ozone	Moderate	50	-	-2.54	-14.94	-52.13
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-1.20	-3.75	-8.65
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-31.06	-100.63	-240.40
Johnstown, PA	Ozone	Maintenance	100	-	-6.76	-23.82	-61.61
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-8.68	-29.73	-74.94
Juneau, AK	PM ₁₀	Moderate	100	-	-2.27	-7.31	-17.34
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-29.39	-114.06	-318.73
Kalispell, MT	PM ₁₀	Moderate	100	-	-2.96	-10.54	-27.53
Kansas City, MO-KS	Ozone	Maintenance	100	-	-123.36	-462.84	-1,260.71
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.06	-9.80	-47.90
Kent, WA	PM ₁₀	Maintenance	100	-	-1.17	-5.21	-15.96
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-2.95	-13.49	-41.88
Kewaunee County, WI	Ozone	Maintenance	100	-	-0.83	-3.84	-11.95
King County, WA	PM ₁₀	Maintenance	100	-	-0.45	-2.00	-6.12
Klamath Falls, OR	CO	Maintenance	100	-	-5.34	-18.05	-44.93
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-5.34	-18.05	-44.93
Knoxville, TN	Ozone	Former Subpart 1	50	-	-108.60	-393.01	-1,039.87
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-90.23	-319.90	-831.82
La Porte County, IN	SO _x	Maintenance	100	-	-3.72	-12.46	-30.73
LaGrande, OR	PM ₁₀	Maintenance	100	-	-2.13	-6.97	-16.81
Lake County, IN	SO _x	Maintenance	100	-	-20.01	-73.93	-198.97
Lake County, OH	SO _x	Maintenance	100	-	-0.53	-3.66	-13.53
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.76	-2.49	-6.03
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-0.02	-2.78	-13.35
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-0.20	-6.80	-31.33
Lake Tahoe, NV	CO	Maintenance	100	-	-0.47	-2.58	-8.75
Lamar, CO	PM ₁₀	Maintenance	100	-	-3.40	-10.14	-22.06
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.04	-0.19	-0.59
Lancaster, PA	Ozone	Maintenance	100	-	-5.48	-45.32	-175.90
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-5.48	-45.32	-175.90
Lane County, OR	PM ₁₀	Moderate	100	-	-0.09	-0.32	-0.85
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-8.62	-54.81	-196.89
LaPorte, IN	Ozone	Maintenance	100	-	-10.33	-34.55	-85.23
Las Vegas, NV	CO	Serious	100	-	-25.98	-190.89	-717.81
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-26.25	-192.87	-725.25
Lauderdale County, AL	SO _x	Maintenance	100	-	-1.45	-9.17	-32.91
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.16	-0.57	-1.45
Libby, MT	PM ₁₀	Moderate	100	-	-0.28	-1.03	-2.75
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.37	-1.37	-3.67
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.71	-2.66	-7.23
Lima, OH	Ozone	Maintenance	100	-	-24.99	-77.04	-174.40

Table B1-20
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Volatile Organic Compound (VOC) 2060

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Longmont, CO	CO	Maintenance	100	-	-0.55	-8.63	-37.46
Lorain County, OH	SO _x	Maintenance	100	-	-0.94	-5.62	-19.71
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-329.77	-2,012.27	-7,122.73
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	-329.77	-2,012.27	-7,122.73
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-329.77	-2,012.27	-7,122.73
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-329.78	-2,012.29	-7,122.79
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-329.75	-2,012.18	-7,122.40
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-10.85	-80.54	-303.71
Louisville, KY-IN	Ozone	Maintenance	100	-	-36.10	-171.16	-541.87
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-36.68	-169.39	-528.69
Lowell, MA	CO	Maintenance	100	-	-1.85	-13.24	-49.39
Lucas County, OH	SO _x	Maintenance	100	-	-11.06	-48.12	-145.08
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-1.33	-7.28	-24.70
Macon, GA	Ozone	Maintenance	100	-	-23.61	-78.24	-191.17
Macon, GA	PM _{2.5}	Nonattainment	100	-	-23.44	-77.60	-189.46
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.17	-0.63	-1.72
Madison, WI	SO _x	Maintenance	100	-	-7.08	-38.58	-130.51
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.53	-2.48	-7.76
Manchester, NH	CO	Maintenance	100	-	-0.19	-4.66	-21.08
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-1.29	-9.67	-36.58
Marion County, IN	SO _x	Maintenance	100	-	-19.68	-73.63	-200.13
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-1.74	-14.36	-55.71
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-24.39	-89.40	-239.08
Mason County, MI	Ozone	Maintenance	100	-	-1.62	-6.31	-17.69
Medford, OR	CO	Maintenance	100	-	-0.71	-8.11	-33.60
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-1.72	-19.57	-81.07
Memphis, TN-AR	Ozone	Maintenance	100	-	-61.40	-231.20	-631.52
Memphis, TN	CO	Maintenance	100	-	-39.73	-165.84	-487.27
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-1.07	-5.24	-16.90
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.22	-0.88	-2.56
Milwaukee, WI	SO _x	Maintenance	100	-	-19.02	-84.98	-260.28
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-47.89	-251.85	-838.92
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-193.31	-742.14	-2,057.10
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-138.23	-580.91	-1,714.16
Missoula, MT	CO	Maintenance	100	-	-11.32	-36.08	-84.79
Missoula, MT	PM ₁₀	Moderate	100	-	-10.95	-34.91	-82.02
Modesto, CA	CO	Maintenance	100	-	-10.65	-54.78	-180.56
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-3.10	-17.29	-59.11
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.07	-0.31	-0.97
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.11	-0.52	-1.60
Morristown, NJ	CO	Maintenance	100	-	-0.54	-4.15	-15.78
Muhlenberg County, KY	SO _x	Maintenance	100	-	-2.71	-9.31	-23.51
Muncie, IN	Ozone	Maintenance	100	-	-19.82	-61.95	-142.43
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.63	-2.15	-5.42
Muscataine County, IA	SO _x	Maintenance	100	-	-1.46	-5.13	-13.26
Muskegon, MI	Ozone	Maintenance	100	-	-9.67	-35.73	-96.11
Nashua, NH	CO	Maintenance	100	-	-0.15	-3.81	-17.21
Nashville, TN	Ozone	Former Subpart 1	50	-	-47.32	-247.62	-822.94
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-2.38	-19.72	-76.57

Table B1-20
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Volatile Organic Compound (VOC) 2060

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
New Haven County, CT	PM ₁₀	Maintenance	100	-	-11.98	-44.38	-119.67
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-50.65	-190.20	-518.42
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-1.18	-3.67	-8.43
New York County, NY	PM ₁₀	Moderate	100	-	-100.00	-307.74	-695.31
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-404.46	-1,626.08	-4,659.13
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-577.61	-2,579.10	-7,897.61
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-563.27	-2,529.88	-7,773.21
Nogales, AZ	PM ₁₀	Moderate	100	-	-1.21	-6.22	-20.45
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-83.38	-334.44	-956.69
Ogden, UT	CO	Maintenance	100	-	-1.21	-7.67	-27.53
Ogden, UT	PM ₁₀	Moderate	100	-	-1.21	-7.67	-27.53
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.05	-0.25	-0.81
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.77	-3.30	-9.86
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-2.86	-16.06	-55.01
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.35	-1.37	-3.84
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.01	-0.03	-0.10
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-12.79	-44.71	-114.78
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-14.06	-48.35	-122.36
Payson, AZ	PM ₁₀	Maintenance	100	-	-0.67	-3.27	-10.55
Penns Grove, NJ	CO	Maintenance	100	-	-0.01	-0.06	-0.21
Peoria, IL	SO _x	Maintenance	100	-	-1.54	-10.15	-36.88
Perth Amboy, NJ	CO	Maintenance	100	-	-4.70	-19.74	-58.24
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-10.26	-50.13	-161.23
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-276.30	-1,055.32	-2,914.04
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-316.22	-1,301.93	-3,790.84
Phoenix, AZ	CO	Maintenance	100	-	-28.75	-500.51	-2,195.05
Phoenix, AZ	PM ₁₀	Serious	70	-	-30.36	-515.72	-2,255.90
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-30.43	-516.98	-2,261.41
Pierce County, WA	PM ₁₀	Maintenance	100	-	-1.54	-4.94	-11.65
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.11	-0.35	-0.86
Pittsburgh, PA	CO	Maintenance	100	-	-2.24	-8.38	-22.81
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-101.35	-405.65	-1,158.73
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-86.07	-352.13	-1,020.98
Polk County, TN	SO _x	Maintenance	100	-	-2.26	-7.65	-19.14
Polson, MT	PM ₁₀	Moderate	100	-	-0.14	-0.64	-1.95
Portland, ME	Ozone	Maintenance	100	-	-19.06	-89.94	-284.02
Portland, OR	CO	Maintenance	100	-	-29.28	-155.64	-520.97
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-4.50	-15.34	-38.48
Poughkeepsie, NY	Ozone	Moderate	50	-	-23.18	-168.09	-629.67
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.85	-2.92	-7.34
Providence (entire State), RI	Ozone	Moderate	50	-	-46.17	-196.24	-583.31
Provo, UT	CO	Maintenance	100	-	-4.03	-23.63	-82.43
Raleigh-Durham, NC	CO	Maintenance	100	-	-15.94	-140.02	-551.30
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-26.47	-203.55	-775.21
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.12	-0.44	-1.19
Reading, PA	Ozone	Maintenance	100	-	-10.99	-51.91	-164.04
Reading, PA	PM _{2.5}	Nonattainment	100	-	-10.99	-51.91	-164.04
Reno, NV	CO	Maintenance	100	-	-6.84	-35.08	-115.50
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.11	-0.40	-1.08

Table B1-20
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Volatile Organic Compound (VOC) 2060

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-34.41	-175.12	-574.44
Rillito, AZ	PM ₁₀	Moderate	100	-	-1.52	-8.22	-27.70
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-0.17	-54.28	-261.43
Roanoke, VA	Ozone	Former Subpart 1	50	-	-17.96	-66.42	-178.88
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-3.74	-16.00	-47.74
Rochester, NY	Ozone	Former Subpart 1	50	-	-36.16	-186.38	-615.06
Rocky Mount, NC	Ozone	Maintenance	100	-	-10.26	-40.00	-112.12
Rome, GA	PM _{2.5}	Nonattainment	100	-	-11.35	-39.46	-100.86
Ronan, MT	PM ₁₀	Moderate	100	-	-0.05	-0.24	-0.73
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.19	-0.67	-1.78
Sacramento County, CA	PM ₁₀	Moderate	100	-	-18.12	-172.14	-689.50
Sacramento Metro, CA	Ozone	Severe	25	-	-47.29	-358.00	-1,357.60
Sacramento, CA	CO	Maintenance	100	-	-18.84	-189.36	-767.14
Salem, OR	CO	Maintenance	100	-	-2.64	-15.49	-53.99
Salt Lake City, UT	CO	Maintenance	100	-	-6.25	-32.19	-106.16
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-18.71	-122.33	-443.66
Salt Lake County, UT	SO _x	Nonattainment	100	-	-15.75	-113.98	-426.74
San Antonio, TX	Ozone	Former Subpart 1	50	-	-140.79	-526.18	-1,428.89
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-3.21	-39.39	-165.19
San Diego, CA	CO	Maintenance	100	-	-30.60	-410.23	-1,743.16
San Diego, CA	Ozone	Former Subpart 1	50	-	-30.66	-411.03	-1,746.58
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-252.41	-1,177.80	-3,696.98
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-258.77	-1,252.36	-4,007.43
San Joaquin Valley, CA	Ozone	Extreme	10	-	-134.32	-741.23	-2,521.60
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-134.77	-743.30	-2,528.01
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-134.32	-741.23	-2,521.60
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-0.53	-4.04	-15.37
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.11	-0.35	-0.83
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-27.57	-119.98	-361.83
Seattle-Tacoma, WA	CO	Maintenance	100	-	-111.89	-525.19	-1,653.81
Sheboygan, WI	Ozone	Moderate	50	-	-3.87	-18.92	-60.85
Sheridan, WY	PM ₁₀	Moderate	100	-	-3.23	-10.45	-24.92
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.01
Somerville, NJ	CO	Maintenance	100	-	-0.17	-1.65	-6.66
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-18.66	-81.19	-244.81
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-2.87	-15.71	-53.28
Spokane County, WA	PM ₁₀	Maintenance	100	-	-14.61	-61.85	-183.40
Spokane, WA	CO	Maintenance	100	-	-14.43	-61.12	-181.23
Springfield (western MA), MA	Ozone	Moderate	50	-	-13.14	-93.35	-347.57
Springfield, MA	CO	Maintenance	100	-	-2.97	-18.28	-64.89
St Louis, MO	CO	Maintenance	100	-	-103.72	-339.40	-819.02
St Louis, MO-IL	Ozone	Moderate	50	-	-241.54	-857.10	-2,230.48
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-241.17	-854.90	-2,222.74
State College, PA	Ozone	Maintenance	100	-	-1.49	-16.22	-66.74
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.96	-4.28	-13.11
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-7.44	-23.29	-53.67
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-18.12	-56.28	-128.53
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-18.12	-56.28	-128.53

Table B1-20
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Volatile Organic Compound (VOC) 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Stockton, CA	CO	Maintenance	100	-	-12.88	-74.74	-259.52
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-37.74	-137.09	-363.83
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.04	-0.25	-0.94
Terre Haute, IN	Ozone	Maintenance	100	-	-15.45	-50.58	-122.15
Tioga County, PA	Ozone	Maintenance	100	-	-1.32	-6.91	-22.94
Toledo, OH	Ozone	Maintenance	100	-	-47.20	-165.64	-426.93
Toms River, NJ	CO	Maintenance	100	-	-1.19	-11.04	-43.96
Tooele County, UT	SO _x	Nonattainment	100	-	-7.18	-27.10	-74.17
Trenton, NJ	CO	Maintenance	100	-	-1.67	-10.55	-37.83
Trona, CA	PM ₁₀	Moderate	100	-	-0.03	-0.33	-1.38
Tucson, AZ	CO	Maintenance	100	-	-27.78	-150.13	-506.15
Utah County, UT	PM ₁₀	Moderate	100	-	-11.49	-67.44	-235.24
Vancouver, WA	CO	Maintenance	100	-	-6.31	-41.67	-151.68
Ventura County, CA	Ozone	Serious	50	-	-8.85	-91.29	-371.73
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-1.60	-4.90	-11.04
Vigo County, IN	SO _x	Maintenance	100	-	-15.45	-50.58	-122.15
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-0.81	-5.83	-21.75
Warren County, NJ	SO _x	Maintenance	100	-	-0.56	-3.93	-14.62
Warren County, PA	SO _x	Nonattainment	100	-	-0.51	-2.20	-6.59
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-17.30	-62.02	-162.81
Washington, DC-MD-VA	CO	Maintenance	100	-	-22.63	-170.78	-647.05
Washington, DC-MD-VA	Ozone	Moderate	50	-	-68.80	-577.24	-2,248.27
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-62.80	-551.43	-2,170.98
Washoe County, NV	PM ₁₀	Serious	70	-	-6.84	-35.08	-115.50
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.55	-1.81	-4.35
Wayne County, IN	SO _x	Maintenance	100	-	-7.89	-26.01	-63.21
Wayne County, MI	PM ₁₀	Maintenance	100	-	-21.70	-69.20	-162.59
Weirton, WV	PM ₁₀	Maintenance	100	-	-1.27	-3.96	-9.12
Weirton, WV	SO _x	Maintenance	100	-	-1.80	-5.64	-12.97
Wheeling, WV-OH	Ozone	Maintenance	100	-	-17.50	-57.18	-137.81
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-17.50	-57.18	-137.81
Winston-Salem, NC	CO	Maintenance	100	-	-14.40	-67.50	-212.37
Worcester, MA	CO	Maintenance	100	-	-2.41	-22.77	-91.10
Yakima County, WA	PM ₁₀	Maintenance	100	-	-6.54	-24.62	-67.25
Yakima, WA	CO	Maintenance	100	-	-3.23	-12.15	-33.19
York, PA	Ozone	Maintenance	100	-	-15.34	-73.66	-234.73
York, PA	PM _{2.5}	Nonattainment	100	-	-9.51	-50.33	-168.09
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-22.31	-97.96	-297.03
Yuma, AZ	PM ₁₀	Moderate	100	-	-6.50	-32.28	-104.69

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

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

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

Source: EPA, 2008.

Table B1-21
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acetaldehyde 2021

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.03	0.06	0.23
Albuquerque, NM	CO	Maintenance	100	-	0.01	0.03	0.11
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.01	0.03
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.01	0.03	0.11
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.03
Anchorage, AK	CO	Maintenance	100	-	0.00	0.01	0.03
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	0.16	0.30	1.21
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.16	0.30	1.21
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Bakersfield, CA	CO	Maintenance	100	-	-0.00	0.00	0.04
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.00
Baltimore, MD	Ozone	Moderate	50	-	0.07	0.14	0.54
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.07	0.14	0.54
Baton Rouge, LA	Ozone	Moderate	50	-	-0.02	-0.02	0.02
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.47	-0.68	-1.35
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.00	0.01	0.03
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.01	0.03
Billings, MT	CO	Maintenance	100	-	0.00	0.00	0.01
Birmingham, AL	Ozone	Maintenance	100	-	0.03	0.05	0.19
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.03	0.05	0.19
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.01	0.01	0.06
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.01	0.01	0.06
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Boston, MA	CO	Maintenance	100	-	0.02	0.04	0.16
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.12	0.23	0.93
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.02	0.03	0.12
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.03	0.05	0.21
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.01	0.01	0.05
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.05
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.01	0.01	0.05
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.05
Charlotte, NC	CO	Maintenance	100	-	0.02	0.03	0.13
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.04	0.07	0.30

Table B1-21
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acetaldehyde 2021

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.10
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.01	0.02	0.09
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.17	0.32	1.28
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.18	0.33	1.33
Chico, CA	CO	Maintenance	100	-	0.00	0.00	0.02
Chico, CA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.04
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.05	0.09	0.36
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.05	0.09	0.35
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.04	0.07	0.26
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.01	0.01	0.05
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.00	0.01	0.03
Cleveland, OH	CO	Maintenance	100	-	0.02	0.04	0.18
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.06	0.12	0.48
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.06	0.11	0.44
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.01	0.03	0.11
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Colorado Springs, CO	CO	Maintenance	100	-	0.01	0.03	0.11
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.02	0.03	0.12
Columbus, OH	Ozone	Maintenance	100	-	0.04	0.08	0.30
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.04	0.07	0.28
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.02	0.04	0.18
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.02	0.04	0.14
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.17	0.31	1.24
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.02	0.04	0.16
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.14
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.07	0.13	0.53
Denver-Boulder, CO	CO	Maintenance	100	-	0.07	0.13	0.51
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.09	0.16	0.64
Detroit, MI	CO	Maintenance	100	-	0.04	0.07	0.30
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.11	0.21	0.85
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.11	0.21	0.83
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Duluth, MN	CO	Maintenance	100	-	0.00	0.00	0.02
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.01	0.01	0.04
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.01	0.02	0.09
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.01
Erie, PA	Ozone	Maintenance	100	-	0.01	0.01	0.04
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00

Table B1-21
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acetaldehyde 2021

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Eugene-Springfield, OR	CO	Maintenance	100	-	0.01	0.01	0.04
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.01	0.01	0.04
Evansville, IN	Ozone	Maintenance	100	-	0.01	0.01	0.05
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.06
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.01	0.01	0.05
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	0.01	0.02	0.10
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.00	0.01	0.03
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.01	0.02	0.07
Franklin County, PA	Ozone	Maintenance	100	-	0.00	0.01	0.03
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.02
Fredericksburg, VA	Ozone	Maintenance	100	-	0.01	0.02	0.07
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Fresno, CA	CO	Maintenance	100	-	0.01	0.03	0.11
Grand Rapids, MI	Ozone	Maintenance	100	-	0.02	0.04	0.15
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	0.04	0.08	0.30
Greeley, CO	CO	Maintenance	100	-	0.00	0.01	0.02
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.01	0.02
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.04	0.07	0.30
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.02	0.04	0.15
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.02	0.04	0.17
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.01	0.02
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.02	0.04	0.15
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.04	0.14
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.03	0.05	0.20
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	0.01
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.03
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.01	0.01	0.05
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.52	-0.70	-0.92
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.06
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.00	0.01	0.03
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01

Table B1-21
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acetaldehyde 2021

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Imperial County, CA	Ozone	Moderate	50	-	0.01	0.01	0.04
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.01	0.01	0.04
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.05	0.09	0.36
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.04	0.07	0.29
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.01	0.03
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.01	0.02
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.01	0.01	0.04
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.02
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.01	0.02	0.09
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.04	0.08	0.30
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.01	0.03
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.02
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.00
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	0.01
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.03	0.05	0.21
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.02	0.04	0.17
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.01
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake County, IN	SO _x	Maintenance	100	-	0.01	0.01	0.06
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.01	0.02	0.08
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.08
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.01	0.02	0.09
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.00	0.02
Las Vegas, NV	CO	Serious	100	-	0.04	0.07	0.26
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.04	0.07	0.27
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.02
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Lima, OH	Ozone	Maintenance	100	-	0.00	0.01	0.02

Table B1-21
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acetaldehyde 2021

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Longmont, CO	CO	Maintenance	100	-	0.00	0.00	0.02
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.31	0.61	2.59
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	0.31	0.61	2.59
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.31	0.61	2.59
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.31	0.61	2.59
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.31	0.61	2.59
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.02	0.03	0.12
Louisville, KY-IN	Ozone	Maintenance	100	-	0.03	0.05	0.21
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.03	0.05	0.20
Lowell, MA	CO	Maintenance	100	-	0.00	0.01	0.02
Lucas County, OH	SO _x	Maintenance	100	-	0.01	0.01	0.06
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Macon, GA	Ozone	Maintenance	100	-	0.01	0.01	0.04
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.04
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.01	0.01	0.04
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Manchester, NH	CO	Maintenance	100	-	0.00	0.00	0.01
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.02
Marion County, IN	SO _x	Maintenance	100	-	0.01	0.01	0.06
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.02
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.06
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Medford, OR	CO	Maintenance	100	-	0.00	0.00	0.01
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.03
Memphis, TN-AR	Ozone	Maintenance	100	-	0.02	0.05	0.19
Memphis, TN	CO	Maintenance	100	-	0.02	0.04	0.17
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.01	0.02	0.10
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.04	0.08	0.32
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.04	0.08	0.43
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.07	0.13	0.51
Missoula, MT	CO	Maintenance	100	-	0.00	0.00	0.01
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Modesto, CA	CO	Maintenance	100	-	0.01	0.01	0.05
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.01
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.01	0.02
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.01	0.02
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	0.01
Nashville, TN	Ozone	Former Subpart 1	50	-	0.04	0.07	0.30
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.02

Table B1-21
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acetaldehyde 2021

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.02	0.04	0.15
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.01	0.02	0.09
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.19	0.36	1.44
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.36	0.68	2.72
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.36	0.68	2.70
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.04	0.07	0.29
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	0.01
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.01	0.03
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.03
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.00	0.02
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.01	0.02	0.07
Philadelaphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.11	0.20	0.82
Phildelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.16	0.30	1.20
Phoenix, AZ	CO	Maintenance	100	-	0.11	0.20	0.80
Phoenix, AZ	PM ₁₀	Serious	70	-	0.11	0.21	0.83
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.11	0.21	0.83
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.00
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.05	0.09	0.37
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.05	0.08	0.34
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.01	0.03	0.10
Portland, OR	CO	Maintenance	100	-	0.03	0.05	0.21
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Poughkeepsie, NY	Ozone	Moderate	50	-	0.03	0.06	0.24
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.02	0.04	0.18
Provo, UT	CO	Maintenance	100	-	0.00	0.01	0.03
Raleigh-Durham, NC	CO	Maintenance	100	-	0.03	0.06	0.23
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.04	0.08	0.32
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.01	0.02	0.06
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.06
Reno, NV	CO	Maintenance	100	-	0.01	0.01	0.04
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00

Table B1-21
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acetaldehyde 2021

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.03	0.06	0.22
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.01	0.03	0.11
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.05
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Rochester, NY	Ozone	Former Subpart 1	50	-	0.03	0.06	0.25
Rocky Mount, NC	Ozone	Maintenance	100	-	0.00	0.01	0.03
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.02
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.03	0.07	0.26
Sacramento Metro, CA	Ozone	Severe	25	-	0.06	0.12	0.47
Sacramento, CA	CO	Maintenance	100	-	0.04	0.07	0.29
Salem, OR	CO	Maintenance	100	-	0.00	0.01	0.02
Salt Lake City, UT	CO	Maintenance	100	-	-0.03	-0.04	-0.06
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-0.01	-0.00	0.09
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.02	0.05	0.19
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.04	0.08	0.34
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.01	0.02	0.08
San Diego, CA	CO	Maintenance	100	-	0.10	0.18	0.73
San Diego, CA	Ozone	Former Subpart 1	50	-	0.10	0.18	0.73
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.15	0.29	1.15
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.17	0.32	1.30
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.09	0.18	0.76
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.10	0.18	0.77
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.09	0.18	0.76
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.02	0.03	0.12
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.07	0.13	0.54
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.01	0.02
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.01	0.02	0.08
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	0.03
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	0.05
Spokane, WA	CO	Maintenance	100	-	0.01	0.01	0.05
Springfield (western MA), MA	Ozone	Moderate	50	-	0.02	0.04	0.16
Springfield, MA	CO	Maintenance	100	-	0.00	0.01	0.03
St Louis, MO	CO	Maintenance	100	-	0.02	0.04	0.17
St Louis, MO-IL	Ozone	Moderate	50	-	0.07	0.14	0.55
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.07	0.14	0.55
State College, PA	Ozone	Maintenance	100	-	0.00	0.01	0.03
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.00	0.02
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.02

Table B1-21
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acetaldehyde 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Stockton, CA	CO	Maintenance	100	-	0.01	0.02	0.08
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.01	0.02	0.10
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.01	0.02
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Toledo, OH	Ozone	Maintenance	100	-	0.01	0.03	0.10
Toms River, NJ	CO	Maintenance	100	-	0.00	0.00	0.02
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.00	0.02
Trenton, NJ	CO	Maintenance	100	-	0.00	0.00	0.02
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.02	0.04	0.18
Utah County, UT	PM ₁₀	Moderate	100	-	0.01	0.02	0.09
Vancouver, WA	CO	Maintenance	100	-	0.01	0.01	0.05
Ventura County, CA	Ozone	Serious	50	-	0.02	0.04	0.14
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.02
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	0.01
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.01	0.01	0.04
Washington, DC-MD-VA	CO	Maintenance	100	-	0.04	0.07	0.29
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.13	0.24	0.97
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.13	0.24	0.95
Washoe County, NV	PM ₁₀	Serious	70	-	0.01	0.01	0.04
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.01	0.03
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.03
Winston-Salem, NC	CO	Maintenance	100	-	0.01	0.02	0.07
Worcester, MA	CO	Maintenance	100	-	0.01	0.01	0.04
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	0.01
York, PA	Ozone	Maintenance	100	-	0.01	0.02	0.08
York, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.06
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.02	0.03	0.12
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.03

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

Table B1-22
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.12	0.24	0.43
Albuquerque, NM	CO	Maintenance	100	-	0.05	0.11	0.20
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.01	0.03	0.05
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.05	0.11	0.20
Altoona, PA	Ozone	Maintenance	100	-	0.01	0.02	0.03
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.02	0.03	0.06
Anchorage, AK	CO	Maintenance	100	-	0.01	0.03	0.05
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	0.61	1.28	2.25
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.61	1.28	2.25
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.01	0.02
Bakersfield, CA	CO	Maintenance	100	-	0.01	0.04	0.07
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.00
Baltimore, MD	Ozone	Moderate	50	-	0.27	0.57	1.00
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.27	0.57	1.00
Baton Rouge, LA	Ozone	Moderate	50	-	-0.03	-0.01	-0.01
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-1.17	-1.81	-3.13
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.02	0.03	0.06
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.01	0.03	0.05
Billings, MT	CO	Maintenance	100	-	0.01	0.01	0.02
Birmingham, AL	Ozone	Maintenance	100	-	0.09	0.19	0.34
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.09	0.19	0.34
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.03	0.06	0.11
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.03	0.06	0.11
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Boston, MA	CO	Maintenance	100	-	0.08	0.16	0.29
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.46	0.97	1.71
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.06	0.12	0.22
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.10	0.22	0.39
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.03	0.06	0.10
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.03	0.06	0.10
Case County, MI	Ozone	Maintenance	100	-	0.00	0.01	0.01
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.03	0.05	0.09
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.03	0.05	0.09
Charlotte, NC	CO	Maintenance	100	-	0.07	0.14	0.25
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.15	0.31	0.55

Table B1-22
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.05	0.10	0.18
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.05	0.09	0.17
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.64	1.35	2.37
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.66	1.39	2.45
Chico, CA	CO	Maintenance	100	-	0.01	0.02	0.04
Chico, CA	Ozone	Former Subpart 1	50	-	0.02	0.05	0.08
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.18	0.38	0.66
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.17	0.36	0.64
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.14	0.29	0.50
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.02	0.05	0.09
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.02	0.03	0.06
Cleveland, OH	CO	Maintenance	100	-	0.08	0.18	0.31
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.23	0.49	0.86
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.22	0.45	0.80
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.06	0.12	0.22
Colbert County, AL	SO _x	Maintenance	100	-	0.01	0.01	0.02
Colorado Springs, CO	CO	Maintenance	100	-	0.05	0.11	0.20
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.06	0.12	0.22
Columbus, OH	Ozone	Maintenance	100	-	0.15	0.32	0.56
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.14	0.30	0.52
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.08	0.18	0.31
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.07	0.15	0.26
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.63	1.33	2.34
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.08	0.16	0.28
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.07	0.14	0.25
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.27	0.57	1.00
Denver-Boulder, CO	CO	Maintenance	100	-	0.26	0.54	0.96
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.33	0.69	1.21
Detroit, MI	CO	Maintenance	100	-	0.14	0.30	0.53
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.42	0.88	1.55
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.41	0.87	1.52
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.01	0.01
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.01	0.01
Duluth, MN	CO	Maintenance	100	-	0.01	0.02	0.03
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.02	0.04	0.07
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.04	0.09	0.16
El Paso, TX	CO	Maintenance	100	-	0.00	0.01	0.01
Erie, PA	Ozone	Maintenance	100	-	0.02	0.04	0.08
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00

Table B1-22
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Eugene-Springfield, OR	CO	Maintenance	100	-	0.02	0.04	0.08
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.02	0.04	0.07
Evansville, IN	Ozone	Maintenance	100	-	0.02	0.05	0.09
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.03	0.06	0.11
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.01
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.03	0.06	0.10
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	0.05	0.10	0.17
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.02	0.03	0.06
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.03	0.07	0.12
Franklin County, PA	Ozone	Maintenance	100	-	0.01	0.03	0.05
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.01	0.02	0.04
Fredericksburg, VA	Ozone	Maintenance	100	-	0.04	0.08	0.14
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Fresno, CA	CO	Maintenance	100	-	0.05	0.11	0.20
Grand Rapids, MI	Ozone	Maintenance	100	-	0.07	0.15	0.27
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	0.01
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.01
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.01
Greater Connecticut, CT	Ozone	Moderate	50	-	0.15	0.31	0.55
Greeley, CO	CO	Maintenance	100	-	0.01	0.02	0.04
Green Bay, WI	SO _x	Maintenance	100	-	0.01	0.02	0.04
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.01	0.02
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.01	0.02
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.15	0.31	0.54
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.07	0.15	0.27
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.08	0.17	0.30
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.01	0.02	0.04
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.08	0.16	0.29
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.07	0.15	0.27
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.10	0.20	0.36
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.01	0.01
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.06
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.03	0.06	0.10
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-1.14	-1.50	-2.56
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.03	0.06	0.10
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.01	0.03	0.05
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.01	0.01

Table B1-22
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Acetaldehyde 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Imperial County, CA	Ozone	Moderate	50	-	0.02	0.04	0.07
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.02	0.04	0.07
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.01
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.18	0.38	0.67
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.14	0.30	0.53
Jackson County, IN	Ozone	Maintenance	100	-	0.01	0.02	0.03
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.01	0.03	0.05
Jefferson County, NY	Ozone	Moderate	50	-	0.01	0.02	0.04
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.02	0.04	0.07
Johnstown, PA	Ozone	Maintenance	100	-	0.01	0.02	0.03
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.04
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.05	0.10	0.17
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.15	0.32	0.56
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.01	0.03	0.05
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.01	0.02	0.03
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.01
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.01	0.02
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.11	0.23	0.40
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.08	0.18	0.31
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.01
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Lake County, IN	SO _x	Maintenance	100	-	0.03	0.06	0.10
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.01	0.01
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.01	0.01
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.01	0.01	0.02
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.01
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.04	0.09	0.15
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.04	0.09	0.15
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.04	0.09	0.16
LaPorte, IN	Ozone	Maintenance	100	-	0.01	0.02	0.03
Las Vegas, NV	CO	Serious	100	-	0.14	0.29	0.50
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.14	0.29	0.51
Lauderdale County, AL	SO _x	Maintenance	100	-	0.01	0.02	0.03
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Lima, OH	Ozone	Maintenance	100	-	0.01	0.02	0.04

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Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Longmont, CO	CO	Maintenance	100	-	0.01	0.02	0.03
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.01	0.02
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	1.25	2.70	4.76
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	1.25	2.70	4.76
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	1.25	2.70	4.76
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	1.25	2.70	4.76
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	1.25	2.70	4.76
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.06	0.13	0.23
Louisville, KY-IN	Ozone	Maintenance	100	-	0.10	0.21	0.38
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.10	0.21	0.37
Lowell, MA	CO	Maintenance	100	-	0.01	0.02	0.04
Lucas County, OH	SO _x	Maintenance	100	-	0.03	0.06	0.10
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.01	0.01	0.02
Macon, GA	Ozone	Maintenance	100	-	0.02	0.04	0.07
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.02	0.04	0.07
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.02	0.05	0.08
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Manchester, NH	CO	Maintenance	100	-	0.01	0.01	0.03
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.01	0.02	0.03
Marion County, IN	SO _x	Maintenance	100	-	0.03	0.06	0.10
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.02	0.04
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.03	0.06	0.11
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.01	0.01
Medford, OR	CO	Maintenance	100	-	0.01	0.01	0.03
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.02	0.04	0.06
Memphis, TN-AR	Ozone	Maintenance	100	-	0.09	0.19	0.33
Memphis, TN	CO	Maintenance	100	-	0.08	0.17	0.31
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.01	0.01
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.05	0.10	0.18
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.16	0.34	0.60
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.18	0.42	0.75
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.25	0.53	0.94
Missoula, MT	CO	Maintenance	100	-	0.01	0.01	0.02
Missoula, MT	PM ₁₀	Moderate	100	-	0.01	0.01	0.02
Modesto, CA	CO	Maintenance	100	-	0.03	0.06	0.10
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.01	0.02	0.03
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.01	0.01
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.01	0.01
Muncie, IN	Ozone	Maintenance	100	-	0.01	0.02	0.04
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.01
Muskegon, MI	Ozone	Maintenance	100	-	0.01	0.02	0.04
Nashua, NH	CO	Maintenance	100	-	0.01	0.01	0.02
Nashville, TN	Ozone	Former Subpart 1	50	-	0.15	0.31	0.55
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.01	0.03	0.05

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Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.01	0.03	0.05
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.07	0.15	0.26
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.04	0.09	0.15
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.71	1.49	2.62
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	1.35	2.83	4.98
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	1.34	2.80	4.94
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.14	0.30	0.53
Ogden, UT	CO	Maintenance	100	-	0.01	0.01	0.02
Ogden, UT	PM ₁₀	Moderate	100	-	0.01	0.01	0.02
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.01	0.02	0.04
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.01	0.03	0.05
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.05
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.01	0.02	0.03
Perth Amboy, NJ	CO	Maintenance	100	-	0.01	0.01	0.03
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.04	0.07	0.13
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.40	0.84	1.49
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.59	1.24	2.19
Phoenix, AZ	CO	Maintenance	100	-	0.43	0.90	1.58
Phoenix, AZ	PM ₁₀	Serious	70	-	0.44	0.93	1.63
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.44	0.93	1.64
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.01
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.18	0.38	0.67
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.17	0.35	0.61
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.05	0.11	0.19
Portland, OR	CO	Maintenance	100	-	0.10	0.22	0.38
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.01	0.01
Poughkeepsie, NY	Ozone	Moderate	50	-	0.12	0.26	0.46
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.09	0.19	0.33
Provo, UT	CO	Maintenance	100	-	0.01	0.03	0.05
Raleigh-Durham, NC	CO	Maintenance	100	-	0.12	0.25	0.44
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.16	0.34	0.60
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.03	0.06	0.11
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.06	0.11
Reno, NV	CO	Maintenance	100	-	0.02	0.05	0.08
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00

Table B1-22
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.11	0.23	0.41
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.06	0.12	0.22
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.02	0.05	0.09
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.01	0.02	0.03
Rochester, NY	Ozone	Former Subpart 1	50	-	0.12	0.25	0.45
Rocky Mount, NC	Ozone	Maintenance	100	-	0.02	0.04	0.06
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.04
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.14	0.28	0.50
Sacramento Metro, CA	Ozone	Severe	25	-	0.24	0.51	0.90
Sacramento, CA	CO	Maintenance	100	-	0.15	0.32	0.56
Salem, OR	CO	Maintenance	100	-	0.01	0.02	0.04
Salt Lake City, UT	CO	Maintenance	100	-	-0.07	-0.09	-0.16
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.01	0.06	0.11
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.09	0.20	0.35
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.17	0.35	0.62
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.04	0.08	0.14
San Diego, CA	CO	Maintenance	100	-	0.38	0.79	1.39
San Diego, CA	Ozone	Former Subpart 1	50	-	0.38	0.79	1.40
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.58	1.22	2.15
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.66	1.38	2.43
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.38	0.82	1.45
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.39	0.83	1.46
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.38	0.82	1.45
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.01	0.01
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.06	0.13	0.22
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.27	0.57	1.00
Sheboygan, WI	Ozone	Moderate	50	-	0.01	0.02	0.04
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.04	0.09	0.15
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.02	0.03	0.06
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.03	0.06	0.10
Spokane, WA	CO	Maintenance	100	-	0.03	0.06	0.10
Springfield (western MA), MA	Ozone	Moderate	50	-	0.08	0.17	0.30
Springfield, MA	CO	Maintenance	100	-	0.01	0.03	0.05
St Louis, MO	CO	Maintenance	100	-	0.08	0.17	0.31
St Louis, MO-IL	Ozone	Moderate	50	-	0.27	0.56	0.99
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.27	0.56	0.99
State College, PA	Ozone	Maintenance	100	-	0.02	0.03	0.06
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.01	0.01
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.01	0.02	0.03
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.03

Table B1-22
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Stockton, CA	CO	Maintenance	100	-	0.04	0.09	0.16
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.05	0.10	0.17
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.01	0.03	0.04
Tioga County, PA	Ozone	Maintenance	100	-	0.01	0.01	0.02
Toledo, OH	Ozone	Maintenance	100	-	0.05	0.10	0.18
Toms River, NJ	CO	Maintenance	100	-	0.01	0.02	0.03
Tooele County, UT	SO _x	Nonattainment	100	-	0.01	0.02	0.03
Trenton, NJ	CO	Maintenance	100	-	0.01	0.02	0.03
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.09	0.19	0.33
Utah County, UT	PM ₁₀	Moderate	100	-	0.04	0.09	0.16
Vancouver, WA	CO	Maintenance	100	-	0.03	0.06	0.10
Ventura County, CA	Ozone	Serious	50	-	0.07	0.16	0.28
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.01	0.03	0.04
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.01	0.01	0.02
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.01	0.01
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.02	0.04	0.07
Washington, DC-MD-VA	CO	Maintenance	100	-	0.14	0.30	0.53
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.49	1.03	1.81
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.48	1.01	1.77
Washoe County, NV	PM ₁₀	Serious	70	-	0.02	0.05	0.08
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.01	0.01	0.02
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.01	0.01	0.02
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.01	0.03	0.05
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.05
Winston-Salem, NC	CO	Maintenance	100	-	0.04	0.08	0.14
Worcester, MA	CO	Maintenance	100	-	0.02	0.04	0.07
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.01	0.02	0.03
Yakima, WA	CO	Maintenance	100	-	0.00	0.01	0.01
York, PA	Ozone	Maintenance	100	-	0.04	0.08	0.15
York, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.07	0.12
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.06	0.12	0.21
Yuma, AZ	PM ₁₀	Moderate	100	-	0.02	0.04	0.06

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

Table B1-23
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acetaldehyde 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.46	0.81	-0.62
Albuquerque, NM	CO	Maintenance	100	-	0.21	0.37	-0.28
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.06	0.10	-0.08
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.21	0.37	-0.29
Altoona, PA	Ozone	Maintenance	100	-	0.03	0.06	-0.05
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.07	0.13	-0.10
Anchorage, AK	CO	Maintenance	100	-	0.05	0.10	-0.07
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Atlanta, GA	Ozone	Moderate	50	-	2.49	4.42	-3.41
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	2.49	4.43	-3.41
Atlantic City, NJ	CO	Maintenance	100	-	0.02	0.03	-0.02
Bakersfield, CA	CO	Maintenance	100	-	0.11	0.19	-0.40
Baltimore, MD	CO	Maintenance	100	-	0.00	0.01	-0.00
Baltimore, MD	Ozone	Moderate	50	-	1.09	1.94	-1.49
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	1.09	1.94	-1.49
Baton Rouge, LA	Ozone	Moderate	50	-	0.08	0.13	-0.89
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-2.18	-4.03	-7.40
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.06	0.10	-0.08
Benzie County, MI	Ozone	Maintenance	100	-	0.01	0.02	-0.01
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.05	0.10	-0.07
Billings, MT	CO	Maintenance	100	-	0.03	0.05	-0.03
Birmingham, AL	Ozone	Maintenance	100	-	0.35	0.62	-0.47
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.35	0.62	-0.48
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.12	0.21	-0.16
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.12	0.21	-0.16
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.01	0.01	-0.01
Boston, MA	CO	Maintenance	100	-	0.30	0.53	-0.41
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	1.82	3.22	-2.48
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.24	0.42	-0.32
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.01	-0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.40	0.71	-0.54
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00

Table B1-23
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acetaldehyde 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Butte, MT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.01
Canon City, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.01
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.10	0.18	-0.14
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.10	0.18	-0.14
Case County, MI	Ozone	Maintenance	100	-	0.01	0.03	-0.02
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Charleston, WV	Ozone	Maintenance	100	-	0.09	0.16	-0.12
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.09	0.16	-0.12
Charlotte, NC	CO	Maintenance	100	-	0.28	0.49	-0.38
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.61	1.08	-0.83
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.19	0.33	-0.26
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.17	0.31	-0.24
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	2.56	4.54	-3.50
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	2.65	4.70	-3.62
Chico, CA	CO	Maintenance	100	-	0.05	0.08	-0.06
Chico, CA	Ozone	Former Subpart 1	50	-	0.10	0.18	-0.14
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.70	1.24	-0.96
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.68	1.20	-0.93
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.01
Clark County, NV	PM ₁₀	Serious	70	-	0.59	1.05	-0.81
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.10	0.17	-0.13
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.06	0.11	-0.08
Cleveland, OH	CO	Maintenance	100	-	0.30	0.53	-0.41
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.88	1.57	-1.21
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.81	1.44	-1.11
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.26	0.47	-0.36
Colbert County, AL	SO _x	Maintenance	100	-	0.02	0.03	-0.03
Colorado Springs, CO	CO	Maintenance	100	-	0.23	0.40	-0.31
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.23	0.41	-0.32
Columbus, OH	Ozone	Maintenance	100	-	0.63	1.12	-0.86
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.59	1.04	-0.80
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.30	0.53	-0.41
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.25	0.44	-0.34
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	2.66	4.73	-3.64
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.28	0.50	-0.38

Table B1-23
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acetaldehyde 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.25	0.44	-0.34
Denver Metro, CO	PM ₁₀	Maintenance	100	-	1.12	2.00	-1.54
Denver-Boulder, CO	CO	Maintenance	100	-	1.08	1.91	-1.47
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	1.36	2.41	-1.85
Detroit, MI	CO	Maintenance	100	-	0.51	0.91	-0.70
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	1.63	2.89	-2.23
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	1.60	2.84	-2.19
Door County, WI	Ozone	Former Subpart 1	50	-	0.01	0.02	-0.02
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.01	0.02	-0.02
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.01	0.02	-0.01
Duluth, MN	CO	Maintenance	100	-	0.03	0.05	-0.04
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.01	-0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.07	0.12	-0.09
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.18	0.31	-0.24
El Paso, TX	CO	Maintenance	100	-	0.01	0.02	-0.01
Erie, PA	Ozone	Maintenance	100	-	0.08	0.14	-0.11
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.08	0.15	-0.11
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.08	0.14	-0.11
Evansville, IN	Ozone	Maintenance	100	-	0.09	0.16	-0.12
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.11	0.20	-0.15
Fairbanks, AK	CO	Maintenance	100	-	0.01	0.01	-0.01
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.10	0.18	-0.14
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Flint, MI	Ozone	Maintenance	100	-	0.18	0.32	-0.24
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	0.07	0.12	-0.09
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.13	0.23	-0.18
Franklin County, PA	Ozone	Maintenance	100	-	0.06	0.10	-0.08
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.05	0.08	-0.06
Fredericksburg, VA	Ozone	Maintenance	100	-	0.16	0.29	-0.22
Freehold, NJ	CO	Maintenance	100	-	0.01	0.01	-0.01
Fresno, CA	CO	Maintenance	100	-	0.22	0.40	-0.31

Table B1-23
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acetaldehyde 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Grand Rapids, MI	Ozone	Maintenance	100	-	0.30	0.53	-0.41
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.01	0.02	-0.02
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.01	0.02	-0.02
Great Falls, MT	CO	Maintenance	100	-	0.01	0.01	-0.01
Greater Connecticut, CT	Ozone	Moderate	50	-	0.56	1.00	-0.77
Greeley, CO	CO	Maintenance	100	-	0.05	0.08	-0.06
Green Bay, WI	SO _x	Maintenance	100	-	0.04	0.08	-0.06
Greene County, IN	Ozone	Maintenance	100	-	0.02	0.03	-0.02
Greene County, PA	Ozone	Maintenance	100	-	0.02	0.03	-0.02
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.57	1.00	-0.77
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.28	0.49	-0.38
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.31	0.54	-0.42
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.01	0.01	-0.01
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.04	0.07	-0.06
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.31	0.56	-0.43
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.29	0.51	-0.39
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.36	0.64	-0.49
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.01	-0.01
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.02	0.03	-0.02
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.01	0.02	-0.02
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.06	0.11	-0.08
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.10	0.18	-0.14
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-1.11	-2.17	-12.66
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.10	0.18	-0.14
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.05	0.09	-0.07
Huron County, MI	Ozone	Maintenance	100	-	0.01	0.02	-0.01
Imperial County, CA	Ozone	Moderate	50	-	0.09	0.15	-0.12
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.08	0.15	-0.11
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.01	0.02	-0.02
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.73	1.30	-1.00
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.58	1.03	-0.79
Jackson County, IN	Ozone	Maintenance	100	-	0.03	0.05	-0.04
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.05	0.09	-0.07

Table B1-23
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acetaldehyde 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Jefferson County, NY	Ozone	Moderate	50	-	0.04	0.08	-0.06
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.07	0.13	-0.10
Johnstown, PA	Ozone	Maintenance	100	-	0.03	0.05	-0.04
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.06	-0.05
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.01	-0.01
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.17	0.31	-0.24
Kalispell, MT	PM ₁₀	Moderate	100	-	0.01	0.02	-0.02
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.61	1.08	-0.83
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.05	0.09	-0.07
Kent, WA	PM ₁₀	Maintenance	100	-	0.01	0.02	-0.01
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.03	0.05	-0.04
Kewaunee County, WI	Ozone	Maintenance	100	-	0.01	0.01	-0.01
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.01
Klamath Falls, OR	CO	Maintenance	100	-	0.02	0.03	-0.02
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.02	0.03	-0.02
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.45	0.80	-0.61
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.34	0.61	-0.47
La Porte County, IN	SO _x	Maintenance	100	-	0.01	0.02	-0.02
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.01
Lake County, IN	SO _x	Maintenance	100	-	0.10	0.18	-0.14
Lake County, OH	SO _x	Maintenance	100	-	0.01	0.02	-0.02
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.01	0.02	-0.02
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.03	0.05	-0.04
Lake Tahoe, NV	CO	Maintenance	100	-	0.01	0.01	-0.01
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.16	0.29	-0.22
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.16	0.29	-0.22
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.17	0.30	-0.23
LaPorte, IN	Ozone	Maintenance	100	-	0.03	0.06	-0.04
Las Vegas, NV	CO	Serious	100	-	0.59	1.05	-0.81
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.60	1.06	-0.82
Lauderdale County, AL	SO _x	Maintenance	100	-	0.03	0.05	-0.04
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00

Table B1-23
Emission Changes a by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acetaldehyde 2040

Nonattainment Area	Pollutant	Status <u>b</u> /	General Conformity Threshold <u>c</u> /	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	-0.01
Lima, OH	Ozone	Maintenance	100	-	0.04	0.07	-0.05
Longmont, CO	CO	Maintenance	100	-	0.04	0.06	-0.05
Lorain County, OH	SO _x	Maintenance	100	-	0.02	0.03	-0.02
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	5.42	9.60	-8.57
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	5.42	9.60	-8.57
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	5.42	9.60	-8.57
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	5.42	9.60	-8.57
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	5.42	9.60	-8.57
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.26	0.46	-0.35
Louisville, KY-IN	Ozone	Maintenance	100	-	0.39	0.69	-0.53
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.37	0.66	-0.51
Lowell, MA	CO	Maintenance	100	-	0.04	0.07	-0.06
Lucas County, OH	SO _x	Maintenance	100	-	0.10	0.17	-0.13
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.02	0.04	-0.03
Macon, GA	Ozone	Maintenance	100	-	0.07	0.12	-0.09
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.07	0.12	-0.09
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Madison, WI	SO _x	Maintenance	100	-	0.09	0.17	-0.13
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.01	-0.01
Manchester, NH	CO	Maintenance	100	-	0.03	0.04	-0.03
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.03	0.06	-0.05
Marion County, IN	SO _x	Maintenance	100	-	0.10	0.19	-0.14
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.05	0.08	-0.06
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.11	0.20	-0.15
Mason County, MI	Ozone	Maintenance	100	-	0.01	0.02	-0.01
Medford, OR	CO	Maintenance	100	-	0.03	0.05	-0.04
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.07	0.13	-0.10
Memphis, TN-AR	Ozone	Maintenance	100	-	0.33	0.59	-0.46
Memphis, TN	CO	Maintenance	100	-	0.31	0.55	-0.42
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.01	0.02	-0.02
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.18	0.32	-0.24
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.63	1.13	-0.87
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.89	1.57	-1.92
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	1.02	1.81	-1.39
Missoula, MT	CO	Maintenance	100	-	0.02	0.04	-0.03
Missoula, MT	PM ₁₀	Moderate	100	-	0.02	0.04	-0.03
Modesto, CA	CO	Maintenance	100	-	0.12	0.22	-0.17

Table B1-23
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acetaldehyde 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.04	0.07	-0.06
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Morristown, NJ	CO	Maintenance	100	-	0.01	0.02	-0.02
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.01	0.02	-0.01
Muncie, IN	Ozone	Maintenance	100	-	0.04	0.06	-0.05
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.01	0.01	-0.01
Muskegon, MI	Ozone	Maintenance	100	-	0.05	0.08	-0.06
Nashua, NH	CO	Maintenance	100	-	0.02	0.04	-0.03
Nashville, TN	Ozone	Former Subpart 1	50	-	0.60	1.07	-0.82
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.06	0.11	-0.08
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.05	0.09	-0.07
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.27	0.47	-0.37
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.15	0.27	-0.20
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	2.70	4.80	-3.69
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	5.22	9.26	-7.13
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	5.17	9.18	-7.07
Nogales, AZ	PM ₁₀	Moderate	100	-	0.01	0.03	-0.02
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.55	0.97	-0.75
Ogden, UT	CO	Maintenance	100	-	0.02	0.04	-0.03
Ogden, UT	PM ₁₀	Moderate	100	-	0.02	0.04	-0.03
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.01
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.04	0.07	-0.06
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.05	0.09	-0.07
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.05	0.09	-0.07
Payson, AZ	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.01
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.03	0.06	-0.05
Perth Amboy, NJ	CO	Maintenance	100	-	0.03	0.06	-0.04
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.13	0.22	-0.17
Phildelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	1.54	2.72	-2.10
Phildelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	2.27	4.03	-3.10

Table B1-23
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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Phoenix, AZ	CO	Maintenance	100	-	2.00	3.55	-2.74
Phoenix, AZ	PM ₁₀	Serious	70	-	2.06	3.65	-2.81
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	2.06	3.66	-2.82
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.01	0.02	-0.01
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.68	1.21	-0.93
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.62	1.10	-0.85
Polk County, TN	SO _x	Maintenance	100	-	0.01	0.01	-0.01
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Portland, ME	Ozone	Maintenance	100	-	0.20	0.35	-0.27
Portland, OR	CO	Maintenance	100	-	0.40	0.71	-0.57
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.01	0.03	-0.02
Poughkeepsie, NY	Ozone	Moderate	50	-	0.53	0.93	-0.72
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.35	0.63	-0.48
Provo, UT	CO	Maintenance	100	-	0.06	0.11	-0.09
Raleigh-Durham, NC	CO	Maintenance	100	-	0.49	0.87	-0.67
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.67	1.19	-0.92
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Reading, PA	Ozone	Maintenance	100	-	0.12	0.21	-0.16
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.12	0.21	-0.16
Reno, NV	CO	Maintenance	100	-	0.09	0.15	-0.12
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.43	0.76	-0.59
Rillito, AZ	PM ₁₀	Moderate	100	-	0.02	0.03	-0.03
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.26	0.47	-0.36
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.09	0.16	-0.12
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.03	0.05	-0.04
Rochester, NY	Ozone	Former Subpart 1	50	-	0.47	0.83	-0.64
Rocky Mount, NC	Ozone	Maintenance	100	-	0.06	0.11	-0.09
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.04	0.07	-0.06
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.60	1.07	-0.82
Sacramento Metro, CA	Ozone	Severe	25	-	1.10	1.95	-1.50
Sacramento, CA	CO	Maintenance	100	-	0.67	1.20	-0.92
Salem, OR	CO	Maintenance	100	-	0.05	0.08	-0.06

Table B1-23
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Acetaldehyde 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Salt Lake City, UT	CO	Maintenance	100	-	-0.09	-0.17	-0.62
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.21	0.36	-1.02
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.37	0.66	-0.51
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.68	1.21	-0.93
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.16	0.29	-0.22
San Diego, CA	CO	Maintenance	100	-	1.63	2.90	-2.23
San Diego, CA	Ozone	Former Subpart 1	50	-	1.63	2.90	-2.23
San Francisco Bay Area, CA	Ozone	Marginal	50	-	2.41	4.28	-3.30
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	2.72	4.83	-3.72
San Joaquin Valley, CA	Ozone	Extreme	10	-	1.75	3.11	-2.64
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	1.76	3.12	-2.65
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	1.75	3.11	-2.64
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.01	0.02	-0.02
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.23	0.41	-0.32
Seattle-Tacoma, WA	CO	Maintenance	100	-	1.10	1.96	-1.51
Sheboygan, WI	Ozone	Moderate	50	-	0.04	0.08	-0.06
Sheridan, WY	PM ₁₀	Moderate	100	-	0.01	0.01	-0.01
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.01	0.01	-0.01
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.16	0.28	-0.22
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.05	0.09	-0.07
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.11	0.19	-0.15
Spokane, WA	CO	Maintenance	100	-	0.11	0.19	-0.15
Springfield (western MA), MA	Ozone	Moderate	50	-	0.31	0.55	-0.43
Springfield, MA	CO	Maintenance	100	-	0.05	0.09	-0.07
St Louis, MO	CO	Maintenance	100	-	0.29	0.51	-0.39
St Louis, MO-IL	Ozone	Moderate	50	-	1.00	1.77	-1.37
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.99	1.76	-1.36
State College, PA	Ozone	Maintenance	100	-	0.06	0.11	-0.09
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.01
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.01	0.02	-0.02
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.03	0.05	-0.04
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.03	0.05	-0.04
Stockton, CA	CO	Maintenance	100	-	0.19	0.33	-0.26
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.17	0.31	-0.24
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.04	0.07	-0.06

Table B1-23
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acetaldehyde 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Tioga County, PA	Ozone	Maintenance	100	-	0.02	0.03	-0.03
Toledo, OH	Ozone	Maintenance	100	-	0.18	0.33	-0.25
Toms River, NJ	CO	Maintenance	100	-	0.04	0.07	-0.05
Tooele County, UT	SO _x	Nonattainment	100	-	0.04	0.06	-0.05
Trenton, NJ	CO	Maintenance	100	-	0.03	0.06	-0.04
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Tucson, AZ	CO	Maintenance	100	-	0.37	0.66	-0.51
Utah County, UT	PM ₁₀	Moderate	100	-	0.18	0.32	-0.25
Vancouver, WA	CO	Maintenance	100	-	0.12	0.22	-0.17
Ventura County, CA	Ozone	Serious	50	-	0.33	0.58	-0.47
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.04	0.07	-0.06
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.02	0.03	-0.03
Warren County, NJ	SO _x	Maintenance	100	-	0.01	0.02	-0.02
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.01	-0.01
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.07	0.13	-0.10
Washington, DC-MD-VA	CO	Maintenance	100	-	0.56	1.00	-0.77
Washington, DC-MD-VA	Ozone	Moderate	50	-	2.01	3.56	-2.74
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	1.96	3.49	-2.68
Washoe County, NV	PM ₁₀	Serious	70	-	0.09	0.15	-0.12
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.02	0.04	-0.03
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.03	0.05	-0.04
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.01	-0.01
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.05	0.08	-0.06
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.05	0.08	-0.06
Winston-Salem, NC	CO	Maintenance	100	-	0.15	0.26	-0.20
Worcester, MA	CO	Maintenance	100	-	0.08	0.15	-0.11
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.03	0.06	-0.05
Yakima, WA	CO	Maintenance	100	-	0.02	0.03	-0.02
York, PA	Ozone	Maintenance	100	-	0.16	0.29	-0.22
York, PA	PM _{2.5}	Nonattainment	100	-	0.13	0.22	-0.17
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.21	0.37	-0.28
Yuma, AZ	PM ₁₀	Moderate	100	-	0.07	0.13	-0.10

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

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

c/ Emissions thresholds in tons/year of: VOC or NO_x in ozone NAAs; primary PM_{2.5} in PM_{2.5} NAAs. Source: 40 CFR 51.853. These thresholds

Table B1-23
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acetaldehyde 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks

are provided for information only; a general conformity determination is not required for the proposed actions.
 Source: EPA, 2008.

Table B1-24
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.35	0.76	-1.34
Albuquerque, NM	CO	Maintenance	100	-	0.16	0.34	-0.60
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.04	0.10	-0.17
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.16	0.35	-0.62
Altoona, PA	Ozone	Maintenance	100	-	0.02	0.05	-0.09
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.06	0.14	-0.24
Anchorage, AK	CO	Maintenance	100	-	0.04	0.09	-0.16
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.01
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Atlanta, GA	Ozone	Moderate	50	-	1.99	4.32	-7.61
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	1.99	4.32	-7.61
Atlantic City, NJ	CO	Maintenance	100	-	0.01	0.03	-0.05
Bakersfield, CA	CO	Maintenance	100	-	0.10	0.21	-0.68
Baltimore, MD	CO	Maintenance	100	-	0.00	0.01	-0.01
Baltimore, MD	Ozone	Moderate	50	-	0.86	1.86	-3.28
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.86	1.86	-3.28
Baton Rouge, LA	Ozone	Moderate	50	-	0.09	0.17	-1.26
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-1.36	-3.13	-7.26
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.04	0.09	-0.16
Benzie County, MI	Ozone	Maintenance	100	-	0.01	0.02	-0.03
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.04	0.09	-0.16
Billings, MT	CO	Maintenance	100	-	0.02	0.04	-0.07
Birmingham, AL	Ozone	Maintenance	100	-	0.26	0.56	-0.99
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.26	0.56	-0.99
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.10	0.21	-0.37
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.10	0.21	-0.37
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.01	0.01	-0.02
Boston, MA	CO	Maintenance	100	-	0.23	0.49	-0.86
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	1.40	3.04	-5.34
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.19	0.41	-0.71
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.01	-0.01
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.30	0.65	-1.14
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00

Table B1-24
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.01	-0.02
Canon City, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.02
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.07	0.16	-0.28
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.07	0.16	-0.28
Case County, MI	Ozone	Maintenance	100	-	0.01	0.02	-0.04
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Charleston, WV	Ozone	Maintenance	100	-	0.06	0.14	-0.24
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.06	0.14	-0.24
Charlotte, NC	CO	Maintenance	100	-	0.22	0.48	-0.85
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.49	1.05	-1.85
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.14	0.31	-0.54
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.13	0.28	-0.50
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	2.00	4.35	-7.65
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	2.07	4.49	-7.91
Chico, CA	CO	Maintenance	100	-	0.04	0.09	-0.16
Chico, CA	Ozone	Former Subpart 1	50	-	0.09	0.19	-0.33
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.54	1.17	-2.06
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.52	1.13	-1.99
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.01
Clark County, NV	PM ₁₀	Serious	70	-	0.49	1.07	-1.88
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.08	0.17	-0.29
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.05	0.10	-0.18
Cleveland, OH	CO	Maintenance	100	-	0.21	0.45	-0.80
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.66	1.43	-2.51
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.60	1.31	-2.30
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.23	0.49	-0.86
Colbert County, AL	SO _x	Maintenance	100	-	0.01	0.03	-0.05
Colorado Springs, CO	CO	Maintenance	100	-	0.18	0.40	-0.70
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Columbia, SC	Ozone	Former Subpart 1	50	-	0.18	0.39	-0.68
Columbus, OH	Ozone	Maintenance	100	-	0.51	1.10	-1.93
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.47	1.02	-1.80
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.21	0.45	-0.80
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.18	0.39	-0.69
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	2.17	4.71	-8.29
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.21	0.45	-0.79

Table B1-24
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.18	0.39	-0.69
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.91	1.97	-3.47
Denver-Boulder, CO	CO	Maintenance	100	-	0.87	1.88	-3.31
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	1.10	2.38	-4.19
Detroit, MI	CO	Maintenance	100	-	0.33	0.71	-1.25
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	1.24	2.70	-4.75
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	1.22	2.65	-4.66
Door County, WI	Ozone	Former Subpart 1	50	-	0.01	0.02	-0.04
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.01	0.02	-0.03
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.01	0.02	-0.03
Duluth, MN	CO	Maintenance	100	-	0.02	0.04	-0.07
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.01	-0.01
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.05	0.11	-0.19
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.14	0.30	-0.53
El Paso, TX	CO	Maintenance	100	-	0.01	0.02	-0.03
Erie, PA	Ozone	Maintenance	100	-	0.06	0.12	-0.22
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.07	0.14	-0.25
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.06	0.14	-0.24
Evansville, IN	Ozone	Maintenance	100	-	0.07	0.14	-0.25
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.08	0.18	-0.32
Fairbanks, AK	CO	Maintenance	100	-	0.01	0.01	-0.02
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.08	0.17	-0.30
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Flint, MI	Ozone	Maintenance	100	-	0.13	0.29	-0.51
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	0.06	0.12	-0.21
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.10	0.21	-0.38
Franklin County, PA	Ozone	Maintenance	100	-	0.04	0.09	-0.16
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.04	0.08	-0.14
Fredericksburg, VA	Ozone	Maintenance	100	-	0.13	0.29	-0.51
Freehold, NJ	CO	Maintenance	100	-	0.01	0.01	-0.02
Fresno, CA	CO	Maintenance	100	-	0.18	0.39	-0.69

Table B1-24
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Grand Rapids, MI	Ozone	Maintenance	100	-	0.24	0.51	-0.91
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.01	0.02	-0.04
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.01	0.02	-0.04
Great Falls, MT	CO	Maintenance	100	-	0.00	0.01	-0.02
Greater Connecticut, CT	Ozone	Moderate	50	-	0.42	0.91	-1.61
Greeley, CO	CO	Maintenance	100	-	0.04	0.08	-0.14
Green Bay, WI	SO _x	Maintenance	100	-	0.03	0.07	-0.13
Greene County, IN	Ozone	Maintenance	100	-	0.01	0.03	-0.05
Greene County, PA	Ozone	Maintenance	100	-	0.01	0.02	-0.04
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.43	0.93	-1.63
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.21	0.45	-0.79
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.23	0.49	-0.86
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.01	0.01	-0.02
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.03	0.07	-0.12
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.25	0.54	-0.94
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.23	0.49	-0.87
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.27	0.58	-1.01
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.01	-0.01
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.01	0.03	-0.05
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.01
Hazelwood, PA	SO _x	Maintenance	100	-	0.01	0.02	-0.04
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.04	0.09	-0.17
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.07	0.16	-0.28
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.37	-1.05	-15.59
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.07	0.16	-0.28
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.04	0.08	-0.14
Huron County, MI	Ozone	Maintenance	100	-	0.01	0.02	-0.03
Imperial County, CA	Ozone	Moderate	50	-	0.07	0.15	-0.27
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.07	0.15	-0.27
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.01	0.02	-0.03
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.57	1.25	-2.19
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.46	0.99	-1.75
Jackson County, IN	Ozone	Maintenance	100	-	0.02	0.04	-0.08
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.04	0.09	-0.15

Table B1-24
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Jefferson County, NY	Ozone	Moderate	50	-	0.03	0.07	-0.12
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.05	0.12	-0.21
Johnstown, PA	Ozone	Maintenance	100	-	0.02	0.04	-0.08
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.05	-0.08
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.01	-0.01
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.13	0.28	-0.50
Kalispell, MT	PM ₁₀	Moderate	100	-	0.01	0.02	-0.04
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.48	1.04	-1.84
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.04	0.09	-0.16
Kent, WA	PM ₁₀	Maintenance	100	-	0.01	0.02	-0.03
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.02	0.05	-0.08
Kewaunee County, WI	Ozone	Maintenance	100	-	0.01	0.01	-0.02
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.01
Klamath Falls, OR	CO	Maintenance	100	-	0.01	0.03	-0.05
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.01	0.03	-0.05
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.36	0.79	-1.38
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.27	0.59	-1.04
La Porte County, IN	SO _x	Maintenance	100	-	0.01	0.02	-0.03
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.02
Lake County, IN	SO _x	Maintenance	100	-	0.07	0.16	-0.28
Lake County, OH	SO _x	Maintenance	100	-	0.01	0.02	-0.03
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.01	0.02	-0.04
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.03	0.06	-0.10
Lake Tahoe, NV	CO	Maintenance	100	-	0.01	0.01	-0.02
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.13	0.27	-0.48
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.13	0.27	-0.48
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.13	0.28	-0.49
LaPorte, IN	Ozone	Maintenance	100	-	0.02	0.05	-0.09
Las Vegas, NV	CO	Serious	100	-	0.49	1.07	-1.88
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.50	1.08	-1.90
Lauderdale County, AL	SO _x	Maintenance	100	-	0.02	0.05	-0.08
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.01

Table B1-24
Emission Changes a by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status <u>b</u> /	General Conformity Threshold <u>c</u> /	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	-0.01
Lima, OH	Ozone	Maintenance	100	-	0.03	0.06	-0.10
Longmont, CO	CO	Maintenance	100	-	0.03	0.06	-0.11
Lorain County, OH	SO _x	Maintenance	100	-	0.01	0.03	-0.05
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	4.37	9.47	-18.09
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	4.37	9.47	-18.09
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	4.37	9.47	-18.09
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	4.37	9.47	-18.09
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	4.37	9.47	-18.09
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.21	0.45	-0.80
Louisville, KY-IN	Ozone	Maintenance	100	-	0.29	0.63	-1.11
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.28	0.60	-1.05
Lowell, MA	CO	Maintenance	100	-	0.03	0.07	-0.13
Lucas County, OH	SO _x	Maintenance	100	-	0.07	0.15	-0.27
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.01	0.03	-0.06
Macon, GA	Ozone	Maintenance	100	-	0.05	0.11	-0.19
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.05	0.10	-0.18
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Madison, WI	SO _x	Maintenance	100	-	0.08	0.17	-0.30
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.01	-0.02
Manchester, NH	CO	Maintenance	100	-	0.02	0.04	-0.07
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.03	0.05	-0.10
Marion County, IN	SO _x	Maintenance	100	-	0.08	0.16	-0.29
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.04	0.09	-0.15
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.09	0.19	-0.33
Mason County, MI	Ozone	Maintenance	100	-	0.01	0.02	-0.03
Medford, OR	CO	Maintenance	100	-	0.03	0.06	-0.10
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.06	0.13	-0.24
Memphis, TN-AR	Ozone	Maintenance	100	-	0.24	0.53	-0.93
Memphis, TN	CO	Maintenance	100	-	0.23	0.49	-0.86
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.01	0.02	-0.04
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.13	0.28	-0.50
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.49	1.06	-1.87
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.72	1.56	-3.61
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.80	1.74	-3.05
Missoula, MT	CO	Maintenance	100	-	0.02	0.04	-0.07
Missoula, MT	PM ₁₀	Moderate	100	-	0.02	0.04	-0.06
Modesto, CA	CO	Maintenance	100	-	0.10	0.22	-0.40

Table B1-24
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.04	0.08	-0.14
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Morristown, NJ	CO	Maintenance	100	-	0.01	0.02	-0.04
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.01	0.02	-0.03
Muncie, IN	Ozone	Maintenance	100	-	0.03	0.05	-0.10
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	-0.01
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.01	-0.02
Muskegon, MI	Ozone	Maintenance	100	-	0.04	0.08	-0.13
Nashua, NH	CO	Maintenance	100	-	0.01	0.03	-0.05
Nashville, TN	Ozone	Former Subpart 1	50	-	0.48	1.04	-1.83
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.05	0.12	-0.21
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.04	0.10	-0.17
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.20	0.43	-0.76
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	-0.01
New York County, NY	PM ₁₀	Moderate	100	-	0.11	0.23	-0.41
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	2.03	4.41	-7.76
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	3.98	8.63	-15.19
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	3.94	8.55	-15.05
Nogales, AZ	PM ₁₀	Moderate	100	-	0.01	0.03	-0.04
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.42	0.90	-1.59
Ogden, UT	CO	Maintenance	100	-	0.02	0.04	-0.07
Ogden, UT	PM ₁₀	Moderate	100	-	0.02	0.04	-0.07
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.02
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.03	0.07	-0.13
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.01
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.04	0.08	-0.14
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.04	0.08	-0.14
Payson, AZ	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.02
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.02	0.05	-0.09
Perth Amboy, NJ	CO	Maintenance	100	-	0.03	0.06	-0.10
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.09	0.19	-0.34
Phildelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	1.15	2.51	-4.41
Phildelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	1.72	3.72	-6.55

Table B1-24
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Acetaldehyde 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Phoenix, AZ	CO	Maintenance	100	-	1.76	3.82	-6.72
Phoenix, AZ	PM ₁₀	Serious	70	-	1.80	3.91	-6.89
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	1.81	3.92	-6.90
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.01
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.01	0.02	-0.03
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.50	1.09	-1.91
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.46	0.99	-1.75
Polk County, TN	SO _x	Maintenance	100	-	0.01	0.01	-0.02
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Portland, ME	Ozone	Maintenance	100	-	0.15	0.33	-0.58
Portland, OR	CO	Maintenance	100	-	0.30	0.66	-1.18
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.01	0.02	-0.04
Poughkeepsie, NY	Ozone	Moderate	50	-	0.43	0.93	-1.64
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Providence (entire State), RI	Ozone	Moderate	50	-	0.28	0.60	-1.06
Provo, UT	CO	Maintenance	100	-	0.05	0.11	-0.20
Raleigh-Durham, NC	CO	Maintenance	100	-	0.40	0.86	-1.52
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.54	1.17	-2.06
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Reading, PA	Ozone	Maintenance	100	-	0.09	0.19	-0.33
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.09	0.19	-0.33
Reno, NV	CO	Maintenance	100	-	0.07	0.14	-0.25
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.33	0.71	-1.25
Rillito, AZ	PM ₁₀	Moderate	100	-	0.02	0.04	-0.06
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.23	0.49	-0.86
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.07	0.14	-0.25
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.02	0.05	-0.09
Rochester, NY	Ozone	Former Subpart 1	50	-	0.35	0.77	-1.35
Rocky Mount, NC	Ozone	Maintenance	100	-	0.05	0.10	-0.18
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.03	0.07	-0.12
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.51	1.10	-1.94
Sacramento Metro, CA	Ozone	Severe	25	-	0.94	2.04	-3.60
Sacramento, CA	CO	Maintenance	100	-	0.57	1.24	-2.18
Salem, OR	CO	Maintenance	100	-	0.03	0.07	-0.13

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Salt Lake City, UT	CO	Maintenance	100	-	-0.04	-0.11	-0.72
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.19	0.39	-1.61
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.29	0.63	-1.11
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.54	1.17	-2.06
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.13	0.28	-0.49
San Diego, CA	CO	Maintenance	100	-	1.36	2.95	-5.19
San Diego, CA	Ozone	Former Subpart 1	50	-	1.36	2.95	-5.20
San Francisco Bay Area, CA	Ozone	Marginal	50	-	1.95	4.23	-7.45
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	2.19	4.75	-8.36
San Joaquin Valley, CA	Ozone	Extreme	10	-	1.48	3.22	-5.96
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	1.49	3.22	-5.98
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	1.48	3.22	-5.96
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.01	0.02	-0.04
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.18	0.38	-0.68
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.88	1.91	-3.35
Sheboygan, WI	Ozone	Moderate	50	-	0.03	0.07	-0.13
Sheridan, WY	PM ₁₀	Moderate	100	-	0.01	0.01	-0.02
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.01	-0.02
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.12	0.26	-0.46
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.03	0.07	-0.12
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.09	0.19	-0.33
Spokane, WA	CO	Maintenance	100	-	0.09	0.19	-0.33
Springfield (western MA), MA	Ozone	Moderate	50	-	0.24	0.51	-0.90
Springfield, MA	CO	Maintenance	100	-	0.04	0.09	-0.16
St Louis, MO	CO	Maintenance	100	-	0.20	0.42	-0.75
St Louis, MO-IL	Ozone	Moderate	50	-	0.73	1.59	-2.81
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.73	1.58	-2.79
State College, PA	Ozone	Maintenance	100	-	0.05	0.11	-0.19
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.03
Steubenville & Mingo Juction, OH	SO _x	Maintenance	100	-	0.01	0.02	-0.04
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.02	0.05	-0.08
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.02	0.05	-0.08
Stockton, CA	CO	Maintenance	100	-	0.16	0.35	-0.61
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.13	0.28	-0.49
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.03	0.06	-0.11

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Acetaldehyde 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Tioga County, PA	Ozone	Maintenance	100	-	0.01	0.03	-0.05
Toledo, OH	Ozone	Maintenance	100	-	0.14	0.29	-0.52
Toms River, NJ	CO	Maintenance	100	-	0.03	0.07	-0.12
Tooele County, UT	SO _x	Nonattainment	100	-	0.03	0.06	-0.11
Trenton, NJ	CO	Maintenance	100	-	0.02	0.05	-0.09
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Tucson, AZ	CO	Maintenance	100	-	0.30	0.65	-1.15
Utah County, UT	PM ₁₀	Moderate	100	-	0.15	0.32	-0.56
Vancouver, WA	CO	Maintenance	100	-	0.10	0.22	-0.38
Ventura County, CA	Ozone	Serious	50	-	0.28	0.60	-1.08
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Vigo County, IN	SO _x	Maintenance	100	-	0.03	0.06	-0.11
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.01	0.03	-0.06
Warren County, NJ	SO _x	Maintenance	100	-	0.01	0.02	-0.04
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.01	-0.01
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.06	0.12	-0.21
Washington, DC-MD-VA	CO	Maintenance	100	-	0.45	0.97	-1.71
Washington, DC-MD-VA	Ozone	Moderate	50	-	1.61	3.49	-6.13
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	1.57	3.41	-5.99
Washoe County, NV	PM ₁₀	Serious	70	-	0.07	0.14	-0.25
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.02	0.03	-0.06
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.03	0.07	-0.13
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.03	0.07	-0.12
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.03	0.07	-0.12
Winston-Salem, NC	CO	Maintenance	100	-	0.11	0.24	-0.43
Worcester, MA	CO	Maintenance	100	-	0.07	0.15	-0.26
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.03	0.06	-0.10
Yakima, WA	CO	Maintenance	100	-	0.01	0.03	-0.05
York, PA	Ozone	Maintenance	100	-	0.13	0.28	-0.49
York, PA	PM _{2.5}	Nonattainment	100	-	0.10	0.21	-0.38
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.15	0.32	-0.56
Yuma, AZ	PM ₁₀	Moderate	100	-	0.06	0.13	-0.22

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

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

c/ Emissions thresholds in tons/year of: VOC or NO_x in ozone NAAs; primary PM_{2.5} in PM_{2.5} NAAs. Source: 40 CFR 51.853. These thresholds

Table B1-24
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks

are provided for information only; a general conformity determination is not required for the proposed actions.
 Source: EPA, 2008.

Table B1-25
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acrolein 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.00	0.01	0.04
Albuquerque, NM	CO	Maintenance	100	-	0.00	0.00	0.02
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Anchorage, AK	CO	Maintenance	100	-	0.00	0.00	0.00
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	0.02	0.04	0.20
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.02	0.04	0.20
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Bakersfield, CA	CO	Maintenance	100	-	-0.00	0.00	0.01
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.00
Baltimore, MD	Ozone	Moderate	50	-	0.01	0.02	0.09
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.09
Baton Rouge, LA	Ozone	Moderate	50	-	-0.00	-0.00	0.01
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.05	-0.08	-0.15
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.00	0.00
Billings, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Birmingham, AL	Ozone	Maintenance	100	-	0.00	0.01	0.03
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.03
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.00	0.00	0.01
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Boston, MA	CO	Maintenance	100	-	0.00	0.01	0.03
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.02	0.03	0.16
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.00	0.00	0.02
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.00	0.01	0.04
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.00

Table B1-25
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acrolein 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.00	0.00	0.01
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.00	0.00	0.01
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Charlotte, NC	CO	Maintenance	100	-	0.00	0.00	0.02
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.00	0.01	0.05
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.02
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.02
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.02	0.04	0.21
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.02	0.04	0.22
Chico, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Chico, CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.01	0.01	0.06
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.06
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.00	0.01	0.04
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.00	0.00	0.01
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Cleveland, OH	CO	Maintenance	100	-	0.00	0.01	0.03
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.01	0.02	0.08
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.07
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.02
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Colorado Springs, CO	CO	Maintenance	100	-	0.00	0.00	0.02
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.00	0.00	0.02
Columbus, OH	Ozone	Maintenance	100	-	0.01	0.01	0.05
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.05
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.00	0.01	0.03
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.02
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.02	0.04	0.21
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.00	0.01	0.03

Table B1-25
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acrolein 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.02
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.01	0.02	0.09
Denver-Boulder, CO	CO	Maintenance	100	-	0.01	0.02	0.09
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.01	0.02	0.11
Detroit, MI	CO	Maintenance	100	-	0.00	0.01	0.05
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.01	0.03	0.14
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.14
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Duluth, MN	CO	Maintenance	100	-	0.00	0.00	0.00
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.00
Erie, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.00	0.00	0.01
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Evansville, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	0.00	0.00	0.02
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.00	0.00	0.01
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Franklin County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Fredericksburg, VA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Fresno, CA	CO	Maintenance	100	-	0.00	0.00	0.02

Table B1-25
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acrolein 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Grand Rapids, MI	Ozone	Maintenance	100	-	0.00	0.00	0.02
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	0.01	0.01	0.05
Greeley, CO	CO	Maintenance	100	-	0.00	0.00	0.00
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.00	0.01	0.05
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.02
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.00	0.01	0.03
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.00	0.00
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.00	0.01	0.03
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.02
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.00	0.01	0.03
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.06	-0.08	-0.06
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.00	0.00	0.01
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Imperial County, CA	Ozone	Moderate	50	-	0.00	0.00	0.01
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.01
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.01	0.01	0.06
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.05
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00

Table B1-25
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acrolein 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.00	0.00
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.00	0.00	0.02
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.01	0.01	0.05
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.00	0.00
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.00
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.00	0.01	0.04
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.03
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.00
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Las Vegas, NV	CO	Serious	100	-	0.00	0.01	0.04
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.00	0.01	0.04
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00

Table B1-25
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acrolein 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Lima, OH	Ozone	Maintenance	100	-	0.00	0.00	0.00
Longmont, CO	CO	Maintenance	100	-	0.00	0.00	0.00
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.04	0.08	0.44
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	0.04	0.08	0.44
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.04	0.08	0.44
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.04	0.08	0.44
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.04	0.08	0.44
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.00	0.00	0.02
Louisville, KY-IN	Ozone	Maintenance	100	-	0.00	0.01	0.03
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.03
Lowell, MA	CO	Maintenance	100	-	0.00	0.00	0.00
Lucas County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Macon, GA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.00	0.00	0.01
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Manchester, NH	CO	Maintenance	100	-	0.00	0.00	0.00
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Marion County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Medford, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Memphis, TN-AR	Ozone	Maintenance	100	-	0.00	0.01	0.03
Memphis, TN	CO	Maintenance	100	-	0.00	0.01	0.03
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.00	0.00	0.02
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.01	0.01	0.05
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.00	0.01	0.08
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.01	0.02	0.08
Missoula, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Modesto, CA	CO	Maintenance	100	-	0.00	0.00	0.01

Table B1-25
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acrolein 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	0.00
Nashville, TN	Ozone	Former Subpart 1	50	-	0.00	0.01	0.05
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.00	0.00	0.02
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.02	0.05	0.24
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.05	0.09	0.45
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.05	0.09	0.45
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.00	0.01	0.05
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	0.00
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Phildelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.14
Phildelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.02	0.04	0.20

Table B1-25
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acrolein 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Phoenix, AZ	CO	Maintenance	100	-	0.01	0.03	0.13
Phoenix, AZ	PM ₁₀	Serious	70	-	0.01	0.03	0.14
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.01	0.03	0.14
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.00
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.06
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.06
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.00	0.00	0.02
Portland, OR	CO	Maintenance	100	-	0.00	0.01	0.04
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Poughkeepsie, NY	Ozone	Moderate	50	-	0.00	0.01	0.04
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.00	0.01	0.03
Provo, UT	CO	Maintenance	100	-	0.00	0.00	0.00
Raleigh-Durham, NC	CO	Maintenance	100	-	0.00	0.01	0.04
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.01	0.01	0.05
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Reno, NV	CO	Maintenance	100	-	0.00	0.00	0.01
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.00	0.01	0.04
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.00	0.00	0.02
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Rochester, NY	Ozone	Former Subpart 1	50	-	0.00	0.01	0.04
Rocky Mount, NC	Ozone	Maintenance	100	-	0.00	0.00	0.01
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.00	0.01	0.04
Sacramento Metro, CA	Ozone	Severe	25	-	0.01	0.02	0.08
Sacramento, CA	CO	Maintenance	100	-	0.00	0.01	0.05
Salem, OR	CO	Maintenance	100	-	0.00	0.00	0.00

Table B1-25
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acrolein 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Salt Lake City, UT	CO	Maintenance	100	-	-0.00	-0.00	-0.01
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-0.00	0.00	0.02
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.00	0.01	0.03
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.01	0.01	0.06
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
San Diego, CA	CO	Maintenance	100	-	0.01	0.02	0.12
San Diego, CA	Ozone	Former Subpart 1	50	-	0.01	0.02	0.12
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.02	0.04	0.19
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.02	0.04	0.22
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.01	0.02	0.13
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.01	0.02	0.13
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.13
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.01	0.02	0.09
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.00	0.00
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Spokane, WA	CO	Maintenance	100	-	0.00	0.00	0.01
Springfield (western MA), MA	Ozone	Moderate	50	-	0.00	0.01	0.03
Springfield, MA	CO	Maintenance	100	-	0.00	0.00	0.00
St Louis, MO	CO	Maintenance	100	-	0.00	0.01	0.03
St Louis, MO-IL	Ozone	Moderate	50	-	0.01	0.02	0.09
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.09
State College, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Steubenville & Mingo Juction, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.00	0.00
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Stockton, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.00	0.00	0.02
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00

Table B1-25
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acrolein 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Toledo, OH	Ozone	Maintenance	100	-	0.00	0.00	0.02
Toms River, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Trenton, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.00	0.01	0.03
Utah County, UT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Vancouver, WA	CO	Maintenance	100	-	0.00	0.00	0.01
Ventura County, CA	Ozone	Serious	50	-	0.00	0.00	0.02
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	0.00
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Washington, DC-MD-VA	CO	Maintenance	100	-	0.00	0.01	0.05
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.02	0.03	0.16
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.16
Washoe County, NV	PM ₁₀	Serious	70	-	0.00	0.00	0.01
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Winston-Salem, NC	CO	Maintenance	100	-	0.00	0.00	0.01
Worcester, MA	CO	Maintenance	100	-	0.00	0.00	0.01
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	0.00
York, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
York, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01

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

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

c/ Emissions thresholds in tons/year of: VOC or NO_x in ozone NAAs; primary PM_{2.5} in PM_{2.5} NAAs. Source: 40 CFR 51.853. These thresholds

Table B1-25
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acrolein 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks

are provided for information only; a general conformity determination is not required for the proposed actions.
 Source: EPA, 2008.

Table B1-26
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acrolein 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.01	0.03	0.11
Albuquerque, NM	CO	Maintenance	100	-	0.01	0.02	0.05
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.01	0.02	0.05
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Anchorage, AK	CO	Maintenance	100	-	0.00	0.00	0.01
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	0.06	0.18	0.57
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.06	0.18	0.57
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Bakersfield, CA	CO	Maintenance	100	-	0.00	0.01	0.03
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.00
Baltimore, MD	Ozone	Moderate	50	-	0.03	0.08	0.25
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.03	0.08	0.25
Baton Rouge, LA	Ozone	Moderate	50	-	-0.00	0.00	0.03
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.14	-0.21	-0.35
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.00	0.00	0.02
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.00	0.01
Billings, MT	CO	Maintenance	100	-	0.00	0.00	0.01
Birmingham, AL	Ozone	Maintenance	100	-	0.01	0.03	0.09
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.09
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.00	0.01	0.03
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.00	0.01	0.03
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Boston, MA	CO	Maintenance	100	-	0.01	0.02	0.07
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.05	0.14	0.43
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.01	0.02	0.06
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.01	0.03	0.10
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.00

Table B1-26
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acrolein 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.00	0.01	0.02
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.02
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.00	0.01	0.02
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.02
Charlotte, NC	CO	Maintenance	100	-	0.01	0.02	0.06
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.01	0.04	0.14
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.05
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.04
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.06	0.19	0.60
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.07	0.20	0.62
Chico, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Chico, CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.02
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.02	0.05	0.17
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.02	0.05	0.16
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.01	0.04	0.13
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.00	0.01	0.02
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Cleveland, OH	CO	Maintenance	100	-	0.01	0.03	0.08
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.02	0.07	0.22
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.02	0.06	0.20
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.01	0.02	0.05
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Colorado Springs, CO	CO	Maintenance	100	-	0.01	0.02	0.05
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.01	0.02	0.06
Columbus, OH	Ozone	Maintenance	100	-	0.02	0.05	0.14
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.04	0.13
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.01	0.03	0.08
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.01	0.02	0.06
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.06	0.19	0.59
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.01	0.02	0.07

Table B1-26
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acrolein 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.06
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.03	0.08	0.25
Denver-Boulder, CO	CO	Maintenance	100	-	0.03	0.08	0.24
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.03	0.10	0.30
Detroit, MI	CO	Maintenance	100	-	0.01	0.04	0.13
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.04	0.13	0.39
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.04	0.12	0.38
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Duluth, MN	CO	Maintenance	100	-	0.00	0.00	0.01
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.00	0.01	0.04
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.00
Erie, PA	Ozone	Maintenance	100	-	0.00	0.01	0.02
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.00	0.01	0.02
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Evansville, IN	Ozone	Maintenance	100	-	0.00	0.01	0.02
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.03
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.00	0.01	0.02
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	0.00	0.01	0.04
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.00	0.00	0.01
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.00	0.01	0.03
Franklin County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Fredericksburg, VA	Ozone	Maintenance	100	-	0.00	0.01	0.04
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Fresno, CA	CO	Maintenance	100	-	0.01	0.02	0.05

Table B1-26
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acrolein 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Grand Rapids, MI	Ozone	Maintenance	100	-	0.01	0.02	0.07
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	0.01	0.04	0.14
Greeley, CO	CO	Maintenance	100	-	0.00	0.00	0.01
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.00	0.01
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.01	0.04	0.14
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.07
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.01	0.02	0.08
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.00	0.01
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.01	0.02	0.07
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.07
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.01	0.03	0.09
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.02
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.00	0.01	0.02
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.14	-0.15	-0.04
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.03
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.00	0.00	0.01
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Imperial County, CA	Ozone	Moderate	50	-	0.00	0.01	0.02
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.00	0.01	0.02
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.02	0.05	0.17
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.01	0.04	0.13
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01

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Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acrolein 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.00	0.01
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.00	0.01	0.02
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.00	0.01	0.04
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.02	0.05	0.14
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.00	0.01
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.00
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.01	0.03	0.10
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.08
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.00
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.03
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.00	0.01	0.04
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.04
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.00	0.01	0.04
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Las Vegas, NV	CO	Serious	100	-	0.01	0.04	0.13
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.01	0.04	0.13
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00

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Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acrolein 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Lima, OH	Ozone	Maintenance	100	-	0.00	0.00	0.01
Longmont, CO	CO	Maintenance	100	-	0.00	0.00	0.01
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.12	0.39	1.25
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	0.12	0.39	1.25
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.12	0.39	1.25
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.12	0.39	1.25
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.12	0.39	1.25
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.01	0.02	0.06
Louisville, KY-IN	Ozone	Maintenance	100	-	0.01	0.03	0.10
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.09
Lowell, MA	CO	Maintenance	100	-	0.00	0.00	0.01
Lucas County, OH	SO _x	Maintenance	100	-	0.00	0.01	0.03
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Macon, GA	Ozone	Maintenance	100	-	0.00	0.01	0.02
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.02
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.00	0.01	0.02
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Manchester, NH	CO	Maintenance	100	-	0.00	0.00	0.01
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Marion County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.03
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.03
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Medford, OR	CO	Maintenance	100	-	0.00	0.00	0.01
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Memphis, TN-AR	Ozone	Maintenance	100	-	0.01	0.03	0.08
Memphis, TN	CO	Maintenance	100	-	0.01	0.02	0.08
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.00	0.01	0.04
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.02	0.05	0.15
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.02	0.06	0.22
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.03	0.08	0.24
Missoula, MT	CO	Maintenance	100	-	0.00	0.00	0.01
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Modesto, CA	CO	Maintenance	100	-	0.00	0.01	0.03

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	0.01
Nashville, TN	Ozone	Former Subpart 1	50	-	0.01	0.04	0.14
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.01	0.02	0.07
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.00	0.01	0.04
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.07	0.21	0.66
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.13	0.40	1.26
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.13	0.40	1.25
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.01	0.04	0.13
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	0.01
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	0.01
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.00	0.01	0.03
Phildelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.04	0.12	0.38
Phildelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.06	0.18	0.55

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Phoenix, AZ	CO	Maintenance	100	-	0.04	0.13	0.40
Phoenix, AZ	PM ₁₀	Serious	70	-	0.04	0.13	0.41
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.04	0.13	0.41
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.00
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.02	0.05	0.17
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.05	0.15
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.01	0.02	0.05
Portland, OR	CO	Maintenance	100	-	0.01	0.03	0.10
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Poughkeepsie, NY	Ozone	Moderate	50	-	0.01	0.04	0.12
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.01	0.03	0.08
Provo, UT	CO	Maintenance	100	-	0.00	0.00	0.01
Raleigh-Durham, NC	CO	Maintenance	100	-	0.01	0.04	0.11
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.02	0.05	0.15
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.00	0.01	0.03
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.03
Reno, NV	CO	Maintenance	100	-	0.00	0.01	0.02
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.01	0.03	0.10
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.01	0.02	0.05
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.02
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Rochester, NY	Ozone	Former Subpart 1	50	-	0.01	0.04	0.11
Rocky Mount, NC	Ozone	Maintenance	100	-	0.00	0.01	0.02
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.01	0.04	0.13
Sacramento Metro, CA	Ozone	Severe	25	-	0.02	0.07	0.23
Sacramento, CA	CO	Maintenance	100	-	0.02	0.05	0.14
Salem, OR	CO	Maintenance	100	-	0.00	0.00	0.01

Table B1-26
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acrolein 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Salt Lake City, UT	CO	Maintenance	100	-	-0.01	-0.01	-0.01
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-0.00	0.01	0.06
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.01	0.03	0.09
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.02	0.05	0.16
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.00	0.01	0.04
San Diego, CA	CO	Maintenance	100	-	0.04	0.11	0.35
San Diego, CA	Ozone	Former Subpart 1	50	-	0.04	0.11	0.35
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.06	0.17	0.54
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.07	0.20	0.61
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.04	0.12	0.38
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.04	0.12	0.38
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.04	0.12	0.38
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.01	0.02	0.06
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.03	0.08	0.25
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.00	0.01
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.00	0.01	0.04
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.03
Spokane, WA	CO	Maintenance	100	-	0.00	0.01	0.02
Springfield (western MA), MA	Ozone	Moderate	50	-	0.01	0.02	0.08
Springfield, MA	CO	Maintenance	100	-	0.00	0.00	0.01
St Louis, MO	CO	Maintenance	100	-	0.01	0.02	0.08
St Louis, MO-IL	Ozone	Moderate	50	-	0.03	0.08	0.25
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.03	0.08	0.25
State College, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.00	0.01
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Stockton, CA	CO	Maintenance	100	-	0.00	0.01	0.04
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.00	0.01	0.04
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01

Table B1-26
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acrolein 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Toledo, OH	Ozone	Maintenance	100	-	0.00	0.01	0.05
Toms River, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.00	0.01
Trenton, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.01	0.03	0.08
Utah County, UT	PM ₁₀	Moderate	100	-	0.00	0.01	0.04
Vancouver, WA	CO	Maintenance	100	-	0.00	0.01	0.03
Ventura County, CA	Ozone	Serious	50	-	0.01	0.02	0.07
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	0.00
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.00	0.01	0.02
Washington, DC-MD-VA	CO	Maintenance	100	-	0.01	0.04	0.13
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.05	0.15	0.46
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.05	0.14	0.45
Washoe County, NV	PM ₁₀	Serious	70	-	0.00	0.01	0.02
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	0.01
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Winston-Salem, NC	CO	Maintenance	100	-	0.00	0.01	0.03
Worcester, MA	CO	Maintenance	100	-	0.00	0.01	0.02
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	0.00
York, PA	Ozone	Maintenance	100	-	0.00	0.01	0.04
York, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.03
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.01	0.02	0.05
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.02

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

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

c/ Emissions thresholds in tons/year of: VOC or NO_x in ozone NAAs; primary PM_{2.5} in PM_{2.5} NAAs. Source: 40 CFR 51.853. These thresholds

Table B1-26
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acrolein 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks

are provided for information only; a general conformity determination is not required for the proposed actions.
 Source: EPA, 2008.

Table B1-27
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acrolein 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.04	0.19	0.32
Albuquerque, NM	CO	Maintenance	100	-	0.02	0.08	0.15
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.01	0.02	0.04
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.02	0.09	0.15
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.01	0.02
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.03	0.05
Anchorage, AK	CO	Maintenance	100	-	0.00	0.02	0.04
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	0.23	1.02	1.74
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.23	1.02	1.75
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.01	0.01
Bakersfield, CA	CO	Maintenance	100	-	0.01	0.06	0.10
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.00
Baltimore, MD	Ozone	Moderate	50	-	0.10	0.45	0.76
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.10	0.45	0.76
Baton Rouge, LA	Ozone	Moderate	50	-	0.00	0.07	0.11
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.26	-0.44	-0.75
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.01	0.02	0.04
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.02	0.04
Billings, MT	CO	Maintenance	100	-	0.00	0.01	0.02
Birmingham, AL	Ozone	Maintenance	100	-	0.03	0.14	0.24
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.03	0.14	0.24
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.01	0.05	0.08
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.01	0.05	0.08
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Boston, MA	CO	Maintenance	100	-	0.03	0.12	0.21
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.17	0.74	1.27
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.02	0.10	0.17
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.04	0.16	0.28
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.00

Table B1-27
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acrolein 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.01	0.04	0.07
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.04	0.07
Case County, MI	Ozone	Maintenance	100	-	0.00	0.01	0.01
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.01	0.04	0.06
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.01	0.04	0.06
Charlotte, NC	CO	Maintenance	100	-	0.03	0.11	0.19
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.06	0.25	0.43
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.02	0.08	0.13
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.02	0.07	0.12
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.23	1.05	1.79
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.24	1.08	1.85
Chico, CA	CO	Maintenance	100	-	0.00	0.02	0.03
Chico, CA	Ozone	Former Subpart 1	50	-	0.01	0.04	0.07
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.06	0.29	0.49
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.06	0.28	0.48
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.05	0.24	0.41
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.01	0.04	0.07
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.01	0.03	0.04
Cleveland, OH	CO	Maintenance	100	-	0.03	0.12	0.21
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.08	0.36	0.62
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.07	0.33	0.57
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.02	0.11	0.18
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.01	0.01
Colorado Springs, CO	CO	Maintenance	100	-	0.02	0.09	0.16
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.02	0.09	0.16
Columbus, OH	Ozone	Maintenance	100	-	0.06	0.26	0.44
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.05	0.24	0.41
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.03	0.12	0.21
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.02	0.10	0.17
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.24	1.09	1.86
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.03	0.11	0.20

Table B1-27
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acrolein 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.02	0.10	0.17
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.10	0.46	0.79
Denver-Boulder, CO	CO	Maintenance	100	-	0.10	0.44	0.75
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.12	0.55	0.95
Detroit, MI	CO	Maintenance	100	-	0.05	0.21	0.36
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.15	0.67	1.14
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.15	0.65	1.12
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.01	0.01
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Duluth, MN	CO	Maintenance	100	-	0.00	0.01	0.02
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.01	0.03	0.05
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.02	0.07	0.12
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.01
Erie, PA	Ozone	Maintenance	100	-	0.01	0.03	0.05
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.01	0.03	0.06
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.01	0.03	0.06
Evansville, IN	Ozone	Maintenance	100	-	0.01	0.04	0.06
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.01	0.05	0.08
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.01	0.04	0.07
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	0.02	0.07	0.12
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.01	0.03	0.05
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.01	0.05	0.09
Franklin County, PA	Ozone	Maintenance	100	-	0.01	0.02	0.04
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.02	0.03
Fredericksburg, VA	Ozone	Maintenance	100	-	0.01	0.07	0.11
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Fresno, CA	CO	Maintenance	100	-	0.02	0.09	0.16

Table B1-27
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acrolein 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Grand Rapids, MI	Ozone	Maintenance	100	-	0.03	0.12	0.21
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	0.01
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.01
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	0.05	0.23	0.40
Greeley, CO	CO	Maintenance	100	-	0.00	0.02	0.03
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.02	0.03
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.01	0.01
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.01	0.01
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.05	0.23	0.40
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.03	0.11	0.19
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.03	0.12	0.21
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.02	0.03
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.03	0.13	0.22
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.12	0.20
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.03	0.15	0.25
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.01	0.01
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.04
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.01	0.04	0.07
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.18	0.16	0.29
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.04	0.07
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.00	0.02	0.04
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Imperial County, CA	Ozone	Moderate	50	-	0.01	0.03	0.06
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.01	0.03	0.06
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.07	0.30	0.51
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.05	0.24	0.41
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.01	0.02
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.02	0.04

Table B1-27
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acrolein 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.02	0.03
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.01	0.03	0.05
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.01	0.02
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.02
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.02	0.07	0.12
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.06	0.25	0.43
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.02	0.04
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.02
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.01
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.01	0.01
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.01
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.04	0.18	0.31
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.03	0.14	0.24
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.01
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake County, IN	SO _x	Maintenance	100	-	0.01	0.04	0.07
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.01	0.01
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.01	0.02
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.01	0.07	0.11
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.07	0.11
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.02	0.07	0.12
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.01	0.02
Las Vegas, NV	CO	Serious	100	-	0.05	0.24	0.41
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.05	0.24	0.42
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.01	0.02
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00

Table B1-27
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acrolein 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Lima, OH	Ozone	Maintenance	100	-	0.00	0.02	0.03
Longmont, CO	CO	Maintenance	100	-	0.00	0.01	0.02
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.01	0.01
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.49	2.26	3.88
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	0.49	2.26	3.88
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.49	2.26	3.88
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.49	2.26	3.88
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.49	2.26	3.88
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.02	0.11	0.18
Louisville, KY-IN	Ozone	Maintenance	100	-	0.04	0.16	0.27
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.03	0.15	0.26
Lowell, MA	CO	Maintenance	100	-	0.00	0.02	0.03
Lucas County, OH	SO _x	Maintenance	100	-	0.01	0.04	0.07
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	0.01
Macon, GA	Ozone	Maintenance	100	-	0.01	0.03	0.05
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.05
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.01	0.04	0.07
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Manchester, NH	CO	Maintenance	100	-	0.00	0.01	0.02
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.01	0.02
Marion County, IN	SO _x	Maintenance	100	-	0.01	0.04	0.07
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.02	0.03
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.01	0.05	0.08
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Medford, OR	CO	Maintenance	100	-	0.00	0.01	0.02
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.01	0.03	0.05
Memphis, TN-AR	Ozone	Maintenance	100	-	0.03	0.14	0.23
Memphis, TN	CO	Maintenance	100	-	0.03	0.13	0.22
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.02	0.07	0.12
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.06	0.26	0.44
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.08	0.39	0.68
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.09	0.42	0.71
Missoula, MT	CO	Maintenance	100	-	0.00	0.01	0.02
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Modesto, CA	CO	Maintenance	100	-	0.01	0.05	0.09

Table B1-27
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acrolein 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.02	0.03
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.01	0.01
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.01
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.01	0.03
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.02	0.03
Nashua, NH	CO	Maintenance	100	-	0.00	0.01	0.01
Nashville, TN	Ozone	Former Subpart 1	50	-	0.06	0.25	0.42
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.01	0.03	0.04
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.02	0.04
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.02	0.11	0.19
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.01	0.06	0.10
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.25	1.10	1.89
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.48	2.13	3.65
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.47	2.11	3.62
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.05	0.22	0.38
Ogden, UT	CO	Maintenance	100	-	0.00	0.01	0.02
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.02	0.03
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.02	0.03
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.02	0.03
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.01	0.02
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.01	0.02
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.01	0.05	0.09
Phildelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.14	0.63	1.07
Phildelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.21	0.93	1.59

Table B1-27
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acrolein 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Phoenix, AZ	CO	Maintenance	100	-	0.18	0.82	1.40
Phoenix, AZ	PM ₁₀	Serious	70	-	0.19	0.84	1.44
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.19	0.84	1.44
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.01
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.06	0.28	0.48
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.06	0.25	0.43
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.02	0.08	0.14
Portland, OR	CO	Maintenance	100	-	0.04	0.16	0.28
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.01	0.01
Poughkeepsie, NY	Ozone	Moderate	50	-	0.05	0.21	0.37
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.03	0.14	0.25
Provo, UT	CO	Maintenance	100	-	0.01	0.03	0.04
Raleigh-Durham, NC	CO	Maintenance	100	-	0.05	0.20	0.34
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.06	0.27	0.47
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.01	0.05	0.08
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.05	0.08
Reno, NV	CO	Maintenance	100	-	0.01	0.04	0.06
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.04	0.18	0.30
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.02	0.11	0.18
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.01	0.04	0.06
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.01	0.02
Rochester, NY	Ozone	Former Subpart 1	50	-	0.04	0.19	0.33
Rocky Mount, NC	Ozone	Maintenance	100	-	0.01	0.03	0.04
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.02	0.03
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.06	0.25	0.42
Sacramento Metro, CA	Ozone	Severe	25	-	0.10	0.45	0.77
Sacramento, CA	CO	Maintenance	100	-	0.06	0.28	0.47
Salem, OR	CO	Maintenance	100	-	0.00	0.02	0.03

Table B1-27
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acrolein 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Salt Lake City, UT	CO	Maintenance	100	-	-0.01	-0.00	-0.01
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.01	0.12	0.20
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.03	0.15	0.26
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.06	0.28	0.48
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.01	0.07	0.11
San Diego, CA	CO	Maintenance	100	-	0.15	0.67	1.14
San Diego, CA	Ozone	Former Subpart 1	50	-	0.15	0.67	1.14
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.22	0.99	1.69
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.25	1.11	1.90
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.16	0.73	1.25
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.16	0.73	1.25
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.16	0.73	1.25
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.01	0.01
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.02	0.10	0.16
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.10	0.45	0.77
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.02	0.03
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.01	0.06	0.11
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.00	0.02	0.04
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.01	0.04	0.08
Spokane, WA	CO	Maintenance	100	-	0.01	0.04	0.08
Springfield (western MA), MA	Ozone	Moderate	50	-	0.03	0.13	0.22
Springfield, MA	CO	Maintenance	100	-	0.00	0.02	0.04
St Louis, MO	CO	Maintenance	100	-	0.03	0.12	0.20
St Louis, MO-IL	Ozone	Moderate	50	-	0.09	0.41	0.70
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.09	0.41	0.69
State College, PA	Ozone	Maintenance	100	-	0.01	0.03	0.04
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Steubenville & Mingo Juction, OH	SO _x	Maintenance	100	-	0.00	0.01	0.01
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.01	0.02
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.02
Stockton, CA	CO	Maintenance	100	-	0.02	0.08	0.13
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.02	0.07	0.12
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.02	0.03

Table B1-27
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acrolein 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.01	0.01
Toledo, OH	Ozone	Maintenance	100	-	0.02	0.08	0.13
Toms River, NJ	CO	Maintenance	100	-	0.00	0.02	0.03
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.01	0.03
Trenton, NJ	CO	Maintenance	100	-	0.00	0.01	0.02
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.03	0.15	0.26
Utah County, UT	PM ₁₀	Moderate	100	-	0.02	0.07	0.13
Vancouver, WA	CO	Maintenance	100	-	0.01	0.05	0.08
Ventura County, CA	Ozone	Serious	50	-	0.03	0.13	0.23
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.02	0.03
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.01	0.01
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.01	0.01
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.01	0.03	0.05
Washington, DC-MD-VA	CO	Maintenance	100	-	0.05	0.23	0.39
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.18	0.82	1.41
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.18	0.80	1.37
Washoe County, NV	PM ₁₀	Serious	70	-	0.01	0.04	0.06
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.02
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.02	0.03
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.02	0.03
Winston-Salem, NC	CO	Maintenance	100	-	0.01	0.06	0.10
Worcester, MA	CO	Maintenance	100	-	0.01	0.03	0.06
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Yakima, WA	CO	Maintenance	100	-	0.00	0.01	0.01
York, PA	Ozone	Maintenance	100	-	0.01	0.07	0.11
York, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.05	0.09
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.02	0.08	0.15
Yuma, AZ	PM ₁₀	Moderate	100	-	0.01	0.03	0.05

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

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

c/ Emissions thresholds in tons/year of: VOC or NO_x in ozone NAAs; primary PM_{2.5} in PM_{2.5} NAAs. Source: 40 CFR 51.853. These thresholds

Table B1-27
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acrolein 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks

are provided for information only; a general conformity determination is not required for the proposed actions.
 Source: EPA, 2008.

Table B1-28
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acrolein 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.04	0.25	0.44
Albuquerque, NM	CO	Maintenance	100	-	0.02	0.11	0.20
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.01	0.03	0.06
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.02	0.12	0.20
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.02	0.03
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.05	0.08
Anchorage, AK	CO	Maintenance	100	-	0.01	0.03	0.05
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	0.25	1.44	2.50
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.25	1.44	2.50
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.01	0.02
Bakersfield, CA	CO	Maintenance	100	-	0.01	0.09	0.15
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.00
Baltimore, MD	Ozone	Moderate	50	-	0.11	0.62	1.08
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.11	0.62	1.08
Baton Rouge, LA	Ozone	Moderate	50	-	0.01	0.11	0.18
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.16	-0.32	-0.68
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.01	0.03	0.05
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.01	0.01
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.01	0.03	0.05
Billings, MT	CO	Maintenance	100	-	0.00	0.01	0.02
Birmingham, AL	Ozone	Maintenance	100	-	0.03	0.19	0.32
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.03	0.19	0.33
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.01	0.07	0.12
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.01	0.07	0.12
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Boston, MA	CO	Maintenance	100	-	0.03	0.16	0.28
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.18	1.01	1.76
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.02	0.14	0.23
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.04	0.22	0.37
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.00

Table B1-28
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acrolein 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.01	0.05	0.09
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.05	0.09
Case County, MI	Ozone	Maintenance	100	-	0.00	0.01	0.01
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.01	0.05	0.08
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.01	0.05	0.08
Charlotte, NC	CO	Maintenance	100	-	0.03	0.16	0.28
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.06	0.35	0.61
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.02	0.10	0.18
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.02	0.09	0.16
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.26	1.45	2.52
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.26	1.50	2.60
Chico, CA	CO	Maintenance	100	-	0.01	0.03	0.05
Chico, CA	Ozone	Former Subpart 1	50	-	0.01	0.06	0.11
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.07	0.39	0.68
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.07	0.38	0.65
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.06	0.36	0.62
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.01	0.06	0.10
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.01	0.03	0.06
Cleveland, OH	CO	Maintenance	100	-	0.03	0.15	0.26
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.08	0.48	0.83
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.08	0.44	0.76
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.03	0.16	0.28
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.01	0.02
Colorado Springs, CO	CO	Maintenance	100	-	0.02	0.13	0.23
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.02	0.13	0.22
Columbus, OH	Ozone	Maintenance	100	-	0.06	0.37	0.64
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.06	0.34	0.59
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.03	0.15	0.26
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.02	0.13	0.23
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.28	1.57	2.73
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.03	0.15	0.26

Table B1-28
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acrolein 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.02	0.13	0.23
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.12	0.66	1.14
Denver-Boulder, CO	CO	Maintenance	100	-	0.11	0.63	1.09
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.14	0.79	1.38
Detroit, MI	CO	Maintenance	100	-	0.04	0.24	0.41
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.16	0.90	1.56
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.16	0.88	1.53
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.01	0.01
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.01	0.01
Duluth, MN	CO	Maintenance	100	-	0.00	0.01	0.02
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.01	0.04	0.06
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.02	0.10	0.17
El Paso, TX	CO	Maintenance	100	-	0.00	0.01	0.01
Erie, PA	Ozone	Maintenance	100	-	0.01	0.04	0.07
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.01	0.05	0.08
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.01	0.05	0.08
Evansville, IN	Ozone	Maintenance	100	-	0.01	0.05	0.08
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.01	0.06	0.11
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.01
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.01	0.06	0.10
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	0.02	0.10	0.17
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.01	0.04	0.07
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.01	0.07	0.12
Franklin County, PA	Ozone	Maintenance	100	-	0.01	0.03	0.05
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.03	0.04
Fredericksburg, VA	Ozone	Maintenance	100	-	0.02	0.10	0.17
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Fresno, CA	CO	Maintenance	100	-	0.02	0.13	0.23

Table B1-28
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acrolein 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Grand Rapids, MI	Ozone	Maintenance	100	-	0.03	0.17	0.30
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	0.01
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.01
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.01
Greater Connecticut, CT	Ozone	Moderate	50	-	0.05	0.30	0.53
Greeley, CO	CO	Maintenance	100	-	0.00	0.03	0.05
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.02	0.04
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.01	0.02
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.01	0.01
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.05	0.31	0.54
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.03	0.15	0.26
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.03	0.16	0.28
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.02	0.04
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.03	0.18	0.31
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.16	0.29
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.03	0.19	0.33
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.01	0.01
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.05
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.01	0.05	0.09
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.03	0.64	0.94
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.05	0.09
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.00	0.03	0.05
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.01	0.01
Imperial County, CA	Ozone	Moderate	50	-	0.01	0.05	0.09
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.01	0.05	0.09
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.01
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.07	0.42	0.72
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.06	0.33	0.57
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.01	0.03
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.01	0.03	0.05

Table B1-28
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acrolein 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.02	0.04
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.01	0.04	0.07
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.01	0.02
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.02	0.03
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.02	0.09	0.16
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.06	0.35	0.60
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.01	0.03	0.05
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.01
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.02	0.03
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.01
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.01	0.02
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.05	0.26	0.46
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.03	0.20	0.34
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.01
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake County, IN	SO _x	Maintenance	100	-	0.01	0.05	0.09
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.01	0.01
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.01	0.01
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.02	0.03
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.01
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.02	0.09	0.16
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.09	0.16
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.02	0.09	0.16
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.02	0.03
Las Vegas, NV	CO	Serious	100	-	0.06	0.36	0.62
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.06	0.36	0.63
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.02	0.03
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00

Table B1-28
Emission Changes a by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acrolein 2060

Nonattainment Area	Pollutant	Status <u>b</u> /	General Conformity Threshold <u>c</u> /	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Lima, OH	Ozone	Maintenance	100	-	0.00	0.02	0.03
Longmont, CO	CO	Maintenance	100	-	0.00	0.02	0.04
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.01	0.02
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.56	3.24	5.60
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	0.56	3.24	5.60
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.56	3.24	5.60
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.56	3.24	5.60
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.56	3.24	5.60
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.03	0.15	0.26
Louisville, KY-IN	Ozone	Maintenance	100	-	0.04	0.21	0.36
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.04	0.20	0.35
Lowell, MA	CO	Maintenance	100	-	0.00	0.02	0.04
Lucas County, OH	SO _x	Maintenance	100	-	0.01	0.05	0.09
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Macon, GA	Ozone	Maintenance	100	-	0.01	0.04	0.06
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.06
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.01	0.06	0.10
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Manchester, NH	CO	Maintenance	100	-	0.00	0.01	0.02
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.02	0.03
Marion County, IN	SO _x	Maintenance	100	-	0.01	0.05	0.10
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.03	0.05
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.01	0.06	0.11
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.01	0.01
Medford, OR	CO	Maintenance	100	-	0.00	0.02	0.03
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.01	0.04	0.08
Memphis, TN-AR	Ozone	Maintenance	100	-	0.03	0.18	0.30
Memphis, TN	CO	Maintenance	100	-	0.03	0.16	0.28
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.01	0.01
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.02	0.09	0.16
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.06	0.35	0.61
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.09	0.57	0.98
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.10	0.58	1.00
Missoula, MT	CO	Maintenance	100	-	0.00	0.01	0.02
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Modesto, CA	CO	Maintenance	100	-	0.01	0.07	0.13

Table B1-28
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acrolein 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.03	0.05
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.01	0.01
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.01	0.01
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.02	0.03
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.01
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.03	0.04
Nashua, NH	CO	Maintenance	100	-	0.00	0.01	0.02
Nashville, TN	Ozone	Former Subpart 1	50	-	0.06	0.35	0.60
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.01	0.04	0.07
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.01	0.03	0.06
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.03	0.14	0.25
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.01	0.08	0.13
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.26	1.47	2.55
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.51	2.88	4.99
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.50	2.85	4.95
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.05	0.30	0.52
Ogden, UT	CO	Maintenance	100	-	0.00	0.01	0.02
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.02	0.04
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.03	0.05
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.03	0.05
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.02	0.03
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.02	0.03
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.01	0.06	0.11
Phildelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.15	0.84	1.45
Phildelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.22	1.24	2.15

Table B1-28
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acrolein 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Phoenix, AZ	CO	Maintenance	100	-	0.22	1.27	2.21
Phoenix, AZ	PM ₁₀	Serious	70	-	0.23	1.30	2.26
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.23	1.31	2.27
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.01	0.01
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.06	0.36	0.63
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.06	0.33	0.57
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.02	0.11	0.19
Portland, OR	CO	Maintenance	100	-	0.04	0.22	0.38
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.01	0.01
Poughkeepsie, NY	Ozone	Moderate	50	-	0.05	0.31	0.54
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.04	0.20	0.35
Provo, UT	CO	Maintenance	100	-	0.01	0.04	0.06
Raleigh-Durham, NC	CO	Maintenance	100	-	0.05	0.29	0.50
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.07	0.39	0.68
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.01	0.06	0.11
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.06	0.11
Reno, NV	CO	Maintenance	100	-	0.01	0.05	0.08
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.04	0.24	0.41
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.03	0.16	0.28
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.01	0.05	0.08
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.02	0.03
Rochester, NY	Ozone	Former Subpart 1	50	-	0.05	0.26	0.44
Rocky Mount, NC	Ozone	Maintenance	100	-	0.01	0.03	0.06
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.02	0.04
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.06	0.37	0.64
Sacramento Metro, CA	Ozone	Severe	25	-	0.12	0.68	1.18
Sacramento, CA	CO	Maintenance	100	-	0.07	0.41	0.72
Salem, OR	CO	Maintenance	100	-	0.00	0.02	0.04

Table B1-28
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acrolein 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Salt Lake City, UT	CO	Maintenance	100	-	-0.00	0.02	0.02
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.02	0.18	0.31
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.04	0.21	0.37
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.07	0.39	0.68
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.02	0.09	0.16
San Diego, CA	CO	Maintenance	100	-	0.17	0.98	1.70
San Diego, CA	Ozone	Former Subpart 1	50	-	0.17	0.98	1.71
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.25	1.41	2.45
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.28	1.58	2.75
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.19	1.09	1.89
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.19	1.09	1.89
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.19	1.09	1.89
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.01	0.01
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.02	0.13	0.22
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.11	0.64	1.10
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.02	0.04
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.02	0.09	0.15
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.00	0.02	0.04
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.01	0.06	0.11
Spokane, WA	CO	Maintenance	100	-	0.01	0.06	0.11
Springfield (western MA), MA	Ozone	Moderate	50	-	0.03	0.17	0.30
Springfield, MA	CO	Maintenance	100	-	0.01	0.03	0.05
St Louis, MO	CO	Maintenance	100	-	0.02	0.14	0.25
St Louis, MO-IL	Ozone	Moderate	50	-	0.09	0.53	0.92
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.09	0.53	0.92
State College, PA	Ozone	Maintenance	100	-	0.01	0.04	0.06
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.01	0.01
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.02	0.03
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.00	0.02	0.03
Stockton, CA	CO	Maintenance	100	-	0.02	0.12	0.20
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.02	0.09	0.16
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.02	0.04

Table B1-28
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acrolein 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.01	0.02
Toledo, OH	Ozone	Maintenance	100	-	0.02	0.10	0.17
Toms River, NJ	CO	Maintenance	100	-	0.00	0.02	0.04
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.02	0.04
Trenton, NJ	CO	Maintenance	100	-	0.00	0.02	0.03
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.04	0.22	0.38
Utah County, UT	PM ₁₀	Moderate	100	-	0.02	0.11	0.18
Vancouver, WA	CO	Maintenance	100	-	0.01	0.07	0.13
Ventura County, CA	Ozone	Serious	50	-	0.04	0.20	0.35
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.02	0.04
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.01	0.02
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.01	0.01
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.01	0.04	0.07
Washington, DC-MD-VA	CO	Maintenance	100	-	0.06	0.32	0.56
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.21	1.16	2.02
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.20	1.14	1.97
Washoe County, NV	PM ₁₀	Serious	70	-	0.01	0.05	0.08
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.02
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.02	0.04
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.02	0.04
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.02	0.04
Winston-Salem, NC	CO	Maintenance	100	-	0.01	0.08	0.14
Worcester, MA	CO	Maintenance	100	-	0.01	0.05	0.08
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.02	0.03
Yakima, WA	CO	Maintenance	100	-	0.00	0.01	0.02
York, PA	Ozone	Maintenance	100	-	0.02	0.09	0.16
York, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.07	0.12
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.02	0.11	0.18
Yuma, AZ	PM ₁₀	Moderate	100	-	0.01	0.04	0.07

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

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

c/ Emissions thresholds in tons/year of: VOC or NO_x in ozone NAAs; primary PM_{2.5} in PM_{2.5} NAAs. Source: 40 CFR 51.853. These thresholds

Table B1-28
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Acrolein 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks

are provided for information only; a general conformity determination is not required for the proposed actions.
 Source: EPA, 2008.

Table B1-29
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Benzene 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-0.06	-0.12	-0.55
Albuquerque, NM	CO	Maintenance	100	-	0.01	-0.00	-0.13
Allegan County, MI	Ozone	Former Subpart 1	50	-	-0.00	-0.01	-0.04
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.02	0.01	-0.09
Altoona, PA	Ozone	Maintenance	100	-	0.00	-0.00	-0.03
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.02
Anchorage, AK	CO	Maintenance	100	-	-0.03	-0.04	-0.13
Anthony, NM	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Atlanta, GA	Ozone	Moderate	50	-	0.13	0.05	-1.23
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.13	0.05	-1.23
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
Bakersfield, CA	CO	Maintenance	100	-	0.00	-0.00	-0.10
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	-0.00
Baltimore, MD	Ozone	Moderate	50	-	0.11	0.09	-0.39
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.11	0.09	-0.39
Baton Rouge, LA	Ozone	Moderate	50	-	-0.02	-0.04	-0.25
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.01	-0.02	-0.13
Benton County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	-0.00	-0.01	-0.06
Benzie County, MI	Ozone	Maintenance	100	-	-0.00	-0.00	-0.01
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-0.00	-0.01	-0.05
Billings, MT	CO	Maintenance	100	-	-0.00	-0.01	-0.03
Birmingham, AL	Ozone	Maintenance	100	-	0.02	0.01	-0.19
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.02	0.01	-0.19
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-0.01	-0.02	-0.12
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.12
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Boston, MA	CO	Maintenance	100	-	0.03	0.03	-0.11
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.20	0.18	-0.63
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.02	0.02	-0.08
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.03	0.02	-0.20
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Butte, MT	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.02
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.00	-0.00	-0.07
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.00	-0.00	-0.07
Case County, MI	Ozone	Maintenance	100	-	-0.00	-0.00	-0.01
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Charleston, WV	Ozone	Maintenance	100	-	0.01	0.00	-0.05
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.01	0.00	-0.05
Charlotte, NC	CO	Maintenance	100	-	0.02	0.01	-0.11
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.02	-0.00	-0.33
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-0.02	-0.04	-0.20
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-0.01	-0.03	-0.18
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.22	0.17	-1.03
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.22	0.17	-1.09
Chico, CA	CO	Maintenance	100	-	0.00	0.00	-0.02
Chico, CA	Ozone	Former Subpart 1	50	-	0.01	0.00	-0.04
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.04	0.02	-0.36
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.04	0.02	-0.35
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.04	0.03	-0.22
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-0.01	-0.03	-0.11
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-0.01	-0.01	-0.07
Cleveland, OH	CO	Maintenance	100	-	0.01	-0.00	-0.20
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.06	0.02	-0.47
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.05	0.02	-0.44
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.02	0.02	-0.07
Colbert County, AL	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Colorado Springs, CO	CO	Maintenance	100	-	-0.00	-0.02	-0.16
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	-0.02	-0.04	-0.23
Columbus, OH	Ozone	Maintenance	100	-	0.02	-0.01	-0.36
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.02	-0.00	-0.32
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.01	-0.00	-0.20
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.01	-0.00	-0.16
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.17	0.09	-1.17
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.01	0.00	-0.17

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.00	-0.15
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.11	0.09	-0.38
Denver-Boulder, CO	CO	Maintenance	100	-	0.10	0.09	-0.37
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.10	0.07	-0.55
Detroit, MI	CO	Maintenance	100	-	0.02	-0.01	-0.35
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.06	-0.02	-0.99
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.06	-0.01	-0.96
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.01
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Duluth, MN	CO	Maintenance	100	-	-0.00	-0.01	-0.03
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.03
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	-0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.11
El Paso, TX	CO	Maintenance	100	-	0.00	-0.00	-0.01
Erie, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.04
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	-0.01	-0.03	-0.11
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-0.01	-0.03	-0.11
Evansville, IN	Ozone	Maintenance	100	-	0.00	-0.00	-0.06
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-0.00	-0.01	-0.09
Fairbanks, AK	CO	Maintenance	100	-	-0.00	-0.01	-0.02
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.05
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Flint, MI	Ozone	Maintenance	100	-	0.01	0.00	-0.10
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	-0.00	-0.00	-0.04
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	-0.01	-0.03	-0.14
Franklin County, PA	Ozone	Maintenance	100	-	-0.00	-0.01	-0.05
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	-0.01	-0.02	-0.07
Fredericksburg, VA	Ozone	Maintenance	100	-	0.00	-0.00	-0.09
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Fresno, CA	CO	Maintenance	100	-	0.02	0.01	-0.08

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Grand Rapids, MI	Ozone	Maintenance	100	-	0.01	-0.01	-0.18
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Grant County, NM	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Grants Pass, OR	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Great Falls, MT	CO	Maintenance	100	-	-0.00	-0.00	-0.01
Greater Connecticut, CT	Ozone	Moderate	50	-	0.05	0.04	-0.25
Greeley, CO	CO	Maintenance	100	-	-0.00	-0.01	-0.04
Green Bay, WI	SO _x	Maintenance	100	-	0.00	-0.00	-0.03
Greene County, IN	Ozone	Maintenance	100	-	-0.00	-0.00	-0.02
Greene County, PA	Ozone	Maintenance	100	-	-0.00	-0.00	-0.02
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.03	0.01	-0.31
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.02	0.01	-0.13
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-0.03	-0.07	-0.35
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	-0.00	-0.02
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.02	0.01	-0.14
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.01	-0.13
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.04	0.03	-0.15
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	-0.00	-0.01
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.04
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.06
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.05	-0.20	-1.60
Humphreys County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-0.01	-0.03	-0.12
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-0.01	-0.01	-0.07
Huron County, MI	Ozone	Maintenance	100	-	-0.00	-0.00	-0.01
Imperial County, CA	Ozone	Moderate	50	-	0.01	0.00	-0.03
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.01	0.00	-0.03
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.01
Indianapolis, IN	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.02	-0.02	-0.44
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.02	-0.01	-0.34
Jackson County, IN	Ozone	Maintenance	100	-	-0.00	-0.00	-0.03
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	-0.00	-0.03

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.00	-0.02
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-0.01	-0.02	-0.10
Johnstown, PA	Ozone	Maintenance	100	-	-0.00	-0.00	-0.03
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-0.00	-0.00	-0.03
Juneau, AK	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.01
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.00	-0.01	-0.13
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Kansas City, MO-KS	Ozone	Maintenance	100	-	-0.04	-0.10	-0.58
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.01	0.01	-0.02
Kent, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	-0.00	-0.02
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	-0.00	-0.01
King County, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Klamath Falls, OR	CO	Maintenance	100	-	-0.00	-0.01	-0.03
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.03
Knoxville, TN	Ozone	Former Subpart 1	50	-	-0.03	-0.07	-0.41
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-0.03	-0.06	-0.33
La Porte County, IN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Lake County, IN	SO _x	Maintenance	100	-	0.01	0.01	-0.05
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	-0.00
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	-0.01
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	-0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.06
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.06
Lane County, OR	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.08
LaPorte, IN	Ozone	Maintenance	100	-	-0.00	-0.01	-0.04
Las Vegas, NV	CO	Serious	100	-	0.04	0.03	-0.22
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.04	0.03	-0.23
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.00	-0.00	-0.00

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	-0.00	-0.00
Lima, OH	Ozone	Maintenance	100	-	-0.00	-0.01	-0.04
Longmont, CO	CO	Maintenance	100	-	0.00	0.00	-0.01
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.47	0.36	-2.22
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	0.47	0.36	-2.22
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.47	0.36	-2.22
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.47	0.36	-2.22
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.47	0.36	-2.22
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.02	0.02	-0.10
Louisville, KY-IN	Ozone	Maintenance	100	-	0.02	0.01	-0.21
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.02	0.01	-0.21
Lowell, MA	CO	Maintenance	100	-	0.00	0.00	-0.01
Lucas County, OH	SO _x	Maintenance	100	-	0.01	0.00	-0.06
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Macon, GA	Ozone	Maintenance	100	-	-0.01	-0.02	-0.08
Macon, GA	PM _{2.5}	Nonattainment	100	-	-0.01	-0.02	-0.08
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	-0.00	-0.00
Madison, WI	SO _x	Maintenance	100	-	0.00	-0.00	-0.05
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Manchester, NH	CO	Maintenance	100	-	0.00	0.00	-0.01
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.02
Marion County, IN	SO _x	Maintenance	100	-	-0.00	-0.01	-0.09
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.02
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-0.01	-0.02	-0.11
Mason County, MI	Ozone	Maintenance	100	-	0.00	-0.00	-0.01
Medford, OR	CO	Maintenance	100	-	0.00	0.00	-0.01
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.03
Memphis, TN-AR	Ozone	Maintenance	100	-	0.01	-0.01	-0.24
Memphis, TN	CO	Maintenance	100	-	0.02	0.01	-0.18
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	-0.00	-0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.01	0.00	-0.10
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.04	0.02	-0.32
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-0.01	-0.08	-0.78
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-0.01	-0.08	-0.75
Missoula, MT	CO	Maintenance	100	-	-0.01	-0.01	-0.04
Missoula, MT	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.04
Modesto, CA	CO	Maintenance	100	-	0.01	0.00	-0.06

Table B1-29
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Benzene 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Muncie, IN	Ozone	Maintenance	100	-	-0.01	-0.02	-0.06
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.00	-0.00	-0.00
Muscatine County, IA	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Muskegon, MI	Ozone	Maintenance	100	-	-0.00	-0.01	-0.04
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	-0.01
Nashville, TN	Ozone	Former Subpart 1	50	-	0.03	0.01	-0.31
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.02
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.02	0.02	-0.12
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
New York County, NY	PM ₁₀	Moderate	100	-	-0.58	-0.88	-2.14
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-0.92	-1.57	-5.23
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-0.71	-1.41	-6.30
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-0.70	-1.39	-6.23
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.04	0.02	-0.26
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	-0.01
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.03
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-0.00	-0.01	-0.05
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.00	-0.01	-0.05
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.01	0.01	-0.06
Phildelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.07	0.00	-0.90
Phildelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.14	0.06	-1.20

Table B1-29
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Benzene 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Phoenix, AZ	CO	Maintenance	100	-	0.15	0.12	-0.61
Phoenix, AZ	PM ₁₀	Serious	70	-	0.15	0.13	-0.63
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.15	0.13	-0.63
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	-0.00	-0.00
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.02	-0.01	-0.44
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.03	-0.00	-0.38
Polk County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Polson, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Portland, ME	Ozone	Maintenance	100	-	0.02	0.02	-0.08
Portland, OR	CO	Maintenance	100	-	0.02	0.00	-0.23
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.02
Poughkeepsie, NY	Ozone	Moderate	50	-	0.03	0.02	-0.23
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.01	-0.00	-0.20
Provo, UT	CO	Maintenance	100	-	0.00	-0.00	-0.03
Raleigh-Durham, NC	CO	Maintenance	100	-	0.04	0.03	-0.20
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.05	0.03	-0.28
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Reading, PA	Ozone	Maintenance	100	-	0.01	0.00	-0.06
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.00	-0.06
Reno, NV	CO	Maintenance	100	-	0.01	0.01	-0.03
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.03	0.02	-0.20
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.02	0.02	-0.07
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.00	-0.00	-0.06
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Rochester, NY	Ozone	Former Subpart 1	50	-	0.03	0.02	-0.23
Rocky Mount, NC	Ozone	Maintenance	100	-	0.00	-0.00	-0.05
Rome, GA	PM _{2.5}	Nonattainment	100	-	-0.00	-0.01	-0.04
Ronan, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.05	0.04	-0.20
Sacramento Metro, CA	Ozone	Severe	25	-	0.07	0.05	-0.40
Sacramento, CA	CO	Maintenance	100	-	0.05	0.04	-0.22
Salem, OR	CO	Maintenance	100	-	0.00	-0.00	-0.03

Table B1-29
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Benzene 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Salt Lake City, UT	CO	Maintenance	100	-	0.00	0.00	-0.04
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.02	0.01	-0.18
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.02	0.01	-0.18
San Antonio, TX	Ozone	Former Subpart 1	50	-	-0.02	-0.08	-0.55
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.01	0.01	-0.06
San Diego, CA	CO	Maintenance	100	-	0.15	0.13	-0.51
San Diego, CA	Ozone	Former Subpart 1	50	-	0.15	0.13	-0.51
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.20	0.15	-0.92
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.23	0.18	-1.03
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.09	0.04	-0.79
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.10	0.04	-0.79
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.09	0.04	-0.79
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.01	-0.00	-0.14
Seattle-Tacoma, WA	CO	Maintenance	100	-	-0.02	-0.10	-0.84
Sheboygan, WI	Ozone	Moderate	50	-	0.00	-0.00	-0.03
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.02
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.00	-0.00	-0.10
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.03
Spokane County, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.09
Spokane, WA	CO	Maintenance	100	-	-0.00	-0.01	-0.09
Springfield (western MA), MA	Ozone	Moderate	50	-	0.03	0.03	-0.11
Springfield, MA	CO	Maintenance	100	-	0.01	0.00	-0.02
St Louis, MO	CO	Maintenance	100	-	0.00	-0.02	-0.24
St Louis, MO-IL	Ozone	Moderate	50	-	0.04	-0.01	-0.63
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.04	-0.01	-0.62
State College, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.02
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.00	-0.01	-0.02
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.01	-0.01	-0.05
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.01	-0.01	-0.05
Stockton, CA	CO	Maintenance	100	-	0.01	0.01	-0.07
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-0.00	-0.02	-0.14
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	-0.01	-0.01	-0.06

Table B1-29
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Benzene 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.01
Toledo, OH	Ozone	Maintenance	100	-	0.01	0.00	-0.11
Toms River, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
Tooele County, UT	SO _x	Nonattainment	100	-	-0.00	-0.01	-0.04
Trenton, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Tucson, AZ	CO	Maintenance	100	-	0.03	0.02	-0.16
Utah County, UT	PM ₁₀	Moderate	100	-	0.01	-0.00	-0.10
Vancouver, WA	CO	Maintenance	100	-	0.00	-0.00	-0.07
Ventura County, CA	Ozone	Serious	50	-	0.03	0.02	-0.11
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Vigo County, IN	SO _x	Maintenance	100	-	-0.01	-0.01	-0.06
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	-0.01
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-0.00	-0.01	-0.07
Washington, DC-MD-VA	CO	Maintenance	100	-	0.06	0.05	-0.20
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.18	0.15	-0.73
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.18	0.15	-0.70
Washoe County, NV	PM ₁₀	Serious	70	-	0.01	0.01	-0.03
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Wayne County, IN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.03
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.02
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Weirton, WV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Wheeling, WV-OH	Ozone	Maintenance	100	-	-0.01	-0.01	-0.06
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.01	-0.01	-0.06
Winston-Salem, NC	CO	Maintenance	100	-	0.01	-0.00	-0.09
Worcester, MA	CO	Maintenance	100	-	0.01	0.01	-0.03
Yakima County, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.04
Yakima, WA	CO	Maintenance	100	-	-0.00	-0.00	-0.01
York, PA	Ozone	Maintenance	100	-	0.01	-0.00	-0.09
York, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.00	-0.06
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.01	0.00	-0.13
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.03

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

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

c/ Emissions thresholds in tons/year of: VOC or NO_x in ozone NAAs; primary PM_{2.5} in PM_{2.5} NAAs. Source: 40 CFR 51.853. These thresholds

Table B1-29
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Benzene 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks

are provided for information only; a general conformity determination is not required for the proposed actions.
 Source: EPA, 2008.

Table B1-30
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Benzene 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	-0.00	-0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-0.13	-0.50	-2.10
Albuquerque, NM	CO	Maintenance	100	-	0.03	-0.07	-0.67
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	-0.03	-0.19
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.06	-0.03	-0.60
Altoona, PA	Ozone	Maintenance	100	-	0.00	-0.02	-0.12
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.02	-0.00	-0.15
Anchorage, AK	CO	Maintenance	100	-	-0.06	-0.14	-0.39
Anthony, NM	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	-0.00	-0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Atlanta, GA	Ozone	Moderate	50	-	0.50	-0.60	-7.18
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.50	-0.60	-7.19
Atlantic City, NJ	CO	Maintenance	100	-	0.01	-0.00	-0.05
Bakersfield, CA	CO	Maintenance	100	-	0.02	-0.06	-0.51
Baltimore, MD	CO	Maintenance	100	-	0.00	-0.00	-0.01
Baltimore, MD	Ozone	Moderate	50	-	0.34	-0.06	-2.83
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.34	-0.06	-2.83
Baton Rouge, LA	Ozone	Moderate	50	-	-0.03	-0.21	-1.03
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.01	-0.10	-0.55
Benton County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	-0.01	-0.05	-0.25
Benzie County, MI	Ozone	Maintenance	100	-	-0.00	-0.01	-0.03
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-0.00	-0.04	-0.21
Billings, MT	CO	Maintenance	100	-	-0.01	-0.03	-0.12
Birmingham, AL	Ozone	Maintenance	100	-	0.08	-0.09	-1.09
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.08	-0.09	-1.09
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-0.02	-0.11	-0.49
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-0.02	-0.11	-0.49
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.03
Boston, MA	CO	Maintenance	100	-	0.10	-0.01	-0.79
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.61	-0.06	-4.73
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.08	-0.01	-0.60
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.00	-0.01	-0.03
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.10	-0.08	-1.19
Burlington, NJ	CO	Maintenance	100	-	0.00	-0.00	-0.01

Table B1-30
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Benzene 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Butte, MT	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.06
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.03
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.01	-0.05	-0.35
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.01	-0.05	-0.35
Case County, MI	Ozone	Maintenance	100	-	0.00	-0.01	-0.06
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Charleston, WV	Ozone	Maintenance	100	-	0.02	-0.02	-0.29
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.02	-0.02	-0.29
Charlotte, NC	CO	Maintenance	100	-	0.07	-0.04	-0.74
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.10	-0.18	-1.83
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-0.03	-0.17	-0.81
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-0.03	-0.15	-0.74
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.73	-0.29	-6.93
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.74	-0.32	-7.21
Chico, CA	CO	Maintenance	100	-	0.01	-0.01	-0.11
Chico, CA	Ozone	Former Subpart 1	50	-	0.02	-0.02	-0.26
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.15	-0.17	-2.11
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.15	-0.16	-2.03
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.02
Clark County, NV	PM ₁₀	Serious	70	-	0.15	-0.07	-1.49
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-0.03	-0.11	-0.44
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-0.01	-0.06	-0.27
Cleveland, OH	CO	Maintenance	100	-	0.05	-0.11	-1.06
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.20	-0.22	-2.74
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.18	-0.20	-2.52
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.08	-0.00	-0.58
Colbert County, AL	SO _x	Maintenance	100	-	-0.00	-0.02	-0.09
Colorado Springs, CO	CO	Maintenance	100	-	0.01	-0.12	-0.75
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Columbia, SC	Ozone	Former Subpart 1	50	-	-0.03	-0.19	-0.95
Columbus, OH	Ozone	Maintenance	100	-	0.09	-0.21	-1.92
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.09	-0.18	-1.76
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	-0.00	-0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.05	-0.11	-1.06
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.04	-0.09	-0.87
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.60	-0.48	-7.22
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.05	-0.09	-0.93

Table B1-30
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Benzene 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.05	-0.08	-0.82
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.35	-0.06	-2.81
Denver-Boulder, CO	CO	Maintenance	100	-	0.33	-0.06	-2.69
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.35	-0.18	-3.60
Detroit, MI	CO	Maintenance	100	-	0.08	-0.21	-1.83
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.25	-0.57	-5.26
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.26	-0.54	-5.13
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	-0.00	-0.04
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.04
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	-0.00	-0.03
Duluth, MN	CO	Maintenance	100	-	-0.00	-0.02	-0.12
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.02
East Chicago, IN	CO	Maintenance	100	-	0.00	-0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.02	-0.01	-0.20
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	-0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.02	-0.07	-0.56
El Paso, TX	CO	Maintenance	100	-	0.00	-0.00	-0.04
Erie, PA	Ozone	Maintenance	100	-	0.02	-0.02	-0.25
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	-0.00	-0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	-0.03	-0.11	-0.41
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-0.03	-0.10	-0.39
Evansville, IN	Ozone	Maintenance	100	-	0.01	-0.04	-0.30
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.00	-0.07	-0.42
Fairbanks, AK	CO	Maintenance	100	-	-0.01	-0.02	-0.06
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.03	-0.02	-0.30
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Flint, MI	Ozone	Maintenance	100	-	0.04	-0.05	-0.56
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	0.00	-0.03	-0.22
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	-0.03	-0.12	-0.56
Franklin County, PA	Ozone	Maintenance	100	-	-0.00	-0.04	-0.22
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	-0.02	-0.06	-0.24
Fredericksburg, VA	Ozone	Maintenance	100	-	0.02	-0.05	-0.48
Freehold, NJ	CO	Maintenance	100	-	0.00	-0.00	-0.02
Fresno, CA	CO	Maintenance	100	-	0.06	-0.02	-0.57

Table B1-30
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Benzene 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Grand Rapids, MI	Ozone	Maintenance	100	-	0.04	-0.11	-0.94
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.04
Grant County, NM	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Grants Pass, OR	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.06
Great Falls, MT	CO	Maintenance	100	-	-0.00	-0.01	-0.03
Greater Connecticut, CT	Ozone	Moderate	50	-	0.16	-0.08	-1.63
Greeley, CO	CO	Maintenance	100	-	-0.00	-0.03	-0.17
Green Bay, WI	SO _x	Maintenance	100	-	0.01	-0.02	-0.14
Greene County, IN	Ozone	Maintenance	100	-	-0.00	-0.01	-0.07
Greene County, PA	Ozone	Maintenance	100	-	-0.00	-0.02	-0.08
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.11	-0.16	-1.76
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.07	-0.05	-0.82
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-0.06	-0.30	-1.38
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	-0.00	-0.02
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.01	-0.01	-0.13
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.08	-0.05	-0.87
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.07	-0.05	-0.81
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.11	-0.04	-1.03
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	-0.00	-0.01
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.04
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	-0.00	-0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	-0.01	-0.05
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.01	-0.02	-0.20
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.02	-0.03	-0.33
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	-0.00	-0.00
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	0.01	-1.20	-7.35
Humphreys County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-0.03	-0.11	-0.48
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-0.02	-0.06	-0.26
Huron County, MI	Ozone	Maintenance	100	-	-0.00	-0.01	-0.04
Imperial County, CA	Ozone	Moderate	50	-	0.02	-0.01	-0.22
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.02	-0.01	-0.21
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.04
Indianapolis, IN	CO	Maintenance	100	-	0.00	-0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.10	-0.27	-2.31
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.08	-0.20	-1.81
Jackson County, IN	Ozone	Maintenance	100	-	-0.00	-0.02	-0.11
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.01	-0.02	-0.18

Table B1-30
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Benzene 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Jefferson County, NY	Ozone	Moderate	50	-	0.01	-0.01	-0.12
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-0.03	-0.09	-0.37
Johnstown, PA	Ozone	Maintenance	100	-	0.00	-0.02	-0.13
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-0.00	-0.03	-0.15
Juneau, AK	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.04
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.01	-0.09	-0.62
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.05
Kansas City, MO-KS	Ozone	Maintenance	100	-	-0.07	-0.48	-2.41
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.02	0.00	-0.13
Kent, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.03
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	-0.01	-0.10
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	-0.00	-0.03
King County, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Klamath Falls, OR	CO	Maintenance	100	-	-0.01	-0.03	-0.09
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.01	-0.03	-0.09
Knoxville, TN	Ozone	Former Subpart 1	50	-	-0.05	-0.34	-1.72
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-0.05	-0.28	-1.36
La Porte County, IN	SO _x	Maintenance	100	-	-0.00	-0.01	-0.05
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.03
Lake County, IN	SO _x	Maintenance	100	-	0.03	-0.02	-0.30
Lake County, OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.04
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	-0.00	-0.03
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.01	-0.00	-0.06
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	-0.00	-0.02
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.02
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.05	-0.01	-0.44
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.05	-0.01	-0.44
Lane County, OR	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.04	-0.03	-0.48
LaPorte, IN	Ozone	Maintenance	100	-	-0.01	-0.03	-0.15
Las Vegas, NV	CO	Serious	100	-	0.15	-0.07	-1.49
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.15	-0.07	-1.52
Lauderdale County, AL	SO _x	Maintenance	100	-	0.01	-0.00	-0.09
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.00	-0.00	-0.01

Table B1-30
Emission Changes a by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Benzene 2025

Nonattainment Area	Pollutant	Status <u>b</u> /	General Conformity Threshold <u>c</u> /	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	-0.00	-0.02
Lima, OH	Ozone	Maintenance	100	-	-0.01	-0.04	-0.17
Longmont, CO	CO	Maintenance	100	-	0.01	0.00	-0.08
Lorain County, OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.05
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	1.57	-0.62	-14.98
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	1.57	-0.62	-14.98
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	1.57	-0.62	-14.98
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	1.57	-0.62	-14.98
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	1.57	-0.62	-14.98
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.07	-0.02	-0.67
Louisville, KY-IN	Ozone	Maintenance	100	-	0.08	-0.11	-1.22
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.08	-0.11	-1.19
Lowell, MA	CO	Maintenance	100	-	0.01	-0.00	-0.11
Lucas County, OH	SO _x	Maintenance	100	-	0.02	-0.03	-0.33
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.01	-0.00	-0.06
Macon, GA	Ozone	Maintenance	100	-	-0.02	-0.07	-0.32
Macon, GA	PM _{2.5}	Nonattainment	100	-	-0.02	-0.07	-0.32
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	-0.00	-0.00
Madison, WI	SO _x	Maintenance	100	-	0.01	-0.03	-0.27
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
Manchester, NH	CO	Maintenance	100	-	0.01	0.00	-0.07
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.01	-0.01	-0.10
Marion County, IN	SO _x	Maintenance	100	-	0.00	-0.06	-0.40
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	-0.00	-0.11
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-0.01	-0.09	-0.45
Mason County, MI	Ozone	Maintenance	100	-	0.00	-0.00	-0.03
Medford, OR	CO	Maintenance	100	-	0.01	-0.00	-0.08
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.02	-0.01	-0.19
Memphis, TN-AR	Ozone	Maintenance	100	-	0.03	-0.16	-1.20
Memphis, TN	CO	Maintenance	100	-	0.07	-0.09	-0.99
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	-0.00	-0.03
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	-0.00	-0.01
Milwaukee, WI	SO _x	Maintenance	100	-	0.04	-0.05	-0.57
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.14	-0.15	-1.88
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.04	-0.56	-3.66
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.04	-0.55	-3.56
Missoula, MT	CO	Maintenance	100	-	-0.02	-0.04	-0.13
Missoula, MT	PM ₁₀	Moderate	100	-	-0.02	-0.04	-0.13
Modesto, CA	CO	Maintenance	100	-	0.02	-0.03	-0.34

Table B1-30
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Benzene 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.01	-0.01	-0.11
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	-0.00	-0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	-0.00	-0.03
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.00	-0.01	-0.04
Muncie, IN	Ozone	Maintenance	100	-	-0.02	-0.06	-0.22
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.00	-0.00	-0.01
Muscatine County, IA	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Muskegon, MI	Ozone	Maintenance	100	-	-0.00	-0.03	-0.17
Nashua, NH	CO	Maintenance	100	-	0.01	0.00	-0.06
Nashville, TN	Ozone	Former Subpart 1	50	-	0.12	-0.15	-1.76
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.02	-0.00	-0.14
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.01	-0.01	-0.14
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.08	-0.04	-0.78
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
New York County, NY	PM ₁₀	Moderate	100	-	-1.47	-2.61	-5.31
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-2.18	-5.42	-17.25
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-1.49	-5.76	-24.24
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-1.46	-5.69	-23.99
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.04
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.14	-0.10	-1.62
Ogden, UT	CO	Maintenance	100	-	0.01	-0.01	-0.07
Ogden, UT	PM ₁₀	Moderate	100	-	0.01	-0.01	-0.07
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.03
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	-0.02	-0.13
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	-0.00	-0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-0.00	-0.04	-0.20
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.00	-0.04	-0.20
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.02
Penns Grove, NJ	CO	Maintenance	100	-	0.00	-0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.01	-0.00	-0.10
Perth Amboy, NJ	CO	Maintenance	100	-	0.01	-0.00	-0.07
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.04	-0.01	-0.38
Phildelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.27	-0.49	-4.93
Phildelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.49	-0.57	-6.95

Table B1-30
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Benzene 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Phoenix, AZ	CO	Maintenance	100	-	0.52	-0.12	-4.49
Phoenix, AZ	PM ₁₀	Serious	70	-	0.54	-0.13	-4.64
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.54	-0.13	-4.65
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.01
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	-0.00	-0.03
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.10	-0.26	-2.30
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.11	-0.21	-2.05
Polk County, TN	SO _x	Maintenance	100	-	-0.00	-0.01	-0.03
Polson, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Portland, ME	Ozone	Maintenance	100	-	0.06	-0.02	-0.54
Portland, OR	CO	Maintenance	100	-	0.08	-0.12	-1.28
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.08
Poughkeepsie, NY	Ozone	Moderate	50	-	0.11	-0.10	-1.43
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Providence (entire State), RI	Ozone	Moderate	50	-	0.06	-0.11	-1.10
Provo, UT	CO	Maintenance	100	-	0.01	-0.02	-0.18
Raleigh-Durham, NC	CO	Maintenance	100	-	0.13	-0.06	-1.30
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.16	-0.10	-1.80
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Reading, PA	Ozone	Maintenance	100	-	0.02	-0.03	-0.36
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.02	-0.03	-0.36
Reno, NV	CO	Maintenance	100	-	0.03	-0.01	-0.23
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.11	-0.08	-1.25
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.05
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.08	-0.00	-0.58
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.01	-0.04	-0.32
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	-0.01	-0.10
Rochester, NY	Ozone	Former Subpart 1	50	-	0.12	-0.09	-1.38
Rocky Mount, NC	Ozone	Maintenance	100	-	0.00	-0.03	-0.23
Rome, GA	PM _{2.5}	Nonattainment	100	-	-0.01	-0.03	-0.17
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.16	-0.04	-1.44
Sacramento Metro, CA	Ozone	Severe	25	-	0.27	-0.13	-2.67
Sacramento, CA	CO	Maintenance	100	-	0.18	-0.05	-1.61
Salem, OR	CO	Maintenance	100	-	0.01	-0.02	-0.15

Table B1-30
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Benzene 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Salt Lake City, UT	CO	Maintenance	100	-	0.02	-0.02	-0.22
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.08	-0.08	-1.08
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.08	-0.08	-1.08
San Antonio, TX	Ozone	Former Subpart 1	50	-	-0.02	-0.43	-2.49
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.05	-0.01	-0.41
San Diego, CA	CO	Maintenance	100	-	0.49	-0.06	-3.87
San Diego, CA	Ozone	Former Subpart 1	50	-	0.49	-0.06	-3.88
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.66	-0.26	-6.27
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.77	-0.26	-7.06
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.37	-0.36	-4.79
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.37	-0.36	-4.82
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.37	-0.36	-4.79
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	-0.00	-0.03
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.04	-0.08	-0.75
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.01	-0.63	-3.88
Sheboygan, WI	Ozone	Moderate	50	-	0.01	-0.01	-0.14
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.05
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	-0.00	-0.02
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.02	-0.06	-0.53
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.02	-0.01	-0.17
Spokane County, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.07	-0.40
Spokane, WA	CO	Maintenance	100	-	-0.00	-0.07	-0.40
Springfield (western MA), MA	Ozone	Moderate	50	-	0.11	-0.01	-0.83
Springfield, MA	CO	Maintenance	100	-	0.02	-0.00	-0.13
St Louis, MO	CO	Maintenance	100	-	0.02	-0.17	-1.14
St Louis, MO-IL	Ozone	Moderate	50	-	0.17	-0.35	-3.34
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.16	-0.35	-3.32
State College, PA	Ozone	Maintenance	100	-	0.02	-0.00	-0.16
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.02
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.01	-0.02	-0.08
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.01	-0.04	-0.17
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.01	-0.04	-0.17
Stockton, CA	CO	Maintenance	100	-	0.04	-0.03	-0.47
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.00	-0.10	-0.66
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	-0.01	-0.05	-0.21

Table B1-30
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Benzene 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Tioga County, PA	Ozone	Maintenance	100	-	0.01	-0.00	-0.06
Toledo, OH	Ozone	Maintenance	100	-	0.04	-0.05	-0.60
Toms River, NJ	CO	Maintenance	100	-	0.01	-0.00	-0.09
Tooele County, UT	SO _x	Nonattainment	100	-	-0.01	-0.04	-0.16
Trenton, NJ	CO	Maintenance	100	-	0.01	-0.00	-0.08
Trona, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Tucson, AZ	CO	Maintenance	100	-	0.09	-0.06	-1.01
Utah County, UT	PM ₁₀	Moderate	100	-	0.03	-0.05	-0.54
Vancouver, WA	CO	Maintenance	100	-	0.02	-0.04	-0.35
Ventura County, CA	Ozone	Serious	50	-	0.10	-0.02	-0.79
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.02
Vigo County, IN	SO _x	Maintenance	100	-	-0.01	-0.05	-0.21
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.01	-0.00	-0.05
Warren County, NJ	SO _x	Maintenance	100	-	0.00	-0.00	-0.03
Warren County, PA	SO _x	Nonattainment	100	-	0.00	-0.00	-0.01
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-0.01	-0.06	-0.30
Washington, DC-MD-VA	CO	Maintenance	100	-	0.18	-0.03	-1.48
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.60	-0.15	-5.16
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.59	-0.13	-5.02
Washoe County, NV	PM ₁₀	Serious	70	-	0.03	-0.01	-0.23
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Wayne County, IN	SO _x	Maintenance	100	-	-0.00	-0.02	-0.11
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	-0.01	-0.09
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.02
Weirton, WV	SO _x	Maintenance	100	-	-0.00	-0.01	-0.02
Wheeling, WV-OH	Ozone	Maintenance	100	-	-0.01	-0.05	-0.24
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.01	-0.05	-0.24
Winston-Salem, NC	CO	Maintenance	100	-	0.02	-0.05	-0.47
Worcester, MA	CO	Maintenance	100	-	0.03	-0.00	-0.20
Yakima County, WA	PM ₁₀	Maintenance	100	-	-0.01	-0.03	-0.14
Yakima, WA	CO	Maintenance	100	-	-0.00	-0.01	-0.06
York, PA	Ozone	Maintenance	100	-	0.03	-0.05	-0.50
York, PA	PM _{2.5}	Nonattainment	100	-	0.03	-0.03	-0.37
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.04	-0.07	-0.70
Yuma, AZ	PM ₁₀	Moderate	100	-	0.01	-0.02	-0.20

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

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

c/ Emissions thresholds in tons/year of: VOC or NO_x in ozone NAAs; primary PM_{2.5} in PM_{2.5} NAAs. Source: 40 CFR 51.853. These thresholds

Table B1-30
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Benzene 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks

are provided for information only; a general conformity determination is not required for the proposed actions.
 Source: EPA, 2008.

Table B1-31
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Benzene 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.02
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	-0.01	-0.03
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	-0.01	-0.04
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-0.08	-3.24	-12.40
Albuquerque, NM	CO	Maintenance	100	-	0.14	-1.10	-5.00
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.02	-0.32	-1.37
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.19	-1.01	-4.89
Altoona, PA	Ozone	Maintenance	100	-	0.02	-0.19	-0.83
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.08	-0.32	-1.62
Anchorage, AK	CO	Maintenance	100	-	-0.10	-0.57	-1.79
Anthony, NM	PM ₁₀	Moderate	100	-	-0.00	-0.02	-0.07
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	-0.01	-0.04
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	-0.02	-0.07
Atlanta, GA	Ozone	Moderate	50	-	2.04	-12.43	-58.74
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	2.04	-12.43	-58.77
Atlantic City, NJ	CO	Maintenance	100	-	0.02	-0.08	-0.40
Bakersfield, CA	CO	Maintenance	100	-	0.12	-0.87	-4.00
Baltimore, MD	CO	Maintenance	100	-	0.00	-0.02	-0.08
Baltimore, MD	Ozone	Moderate	50	-	1.12	-4.96	-24.89
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	1.12	-4.96	-24.89
Baton Rouge, LA	Ozone	Moderate	50	-	0.04	-1.63	-6.60
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	0.03	-0.84	-3.47
Benton County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Benton Harbor, MI	Ozone	Maintenance	100	-	0.01	-0.37	-1.51
Benzie County, MI	Ozone	Maintenance	100	-	0.00	-0.05	-0.23
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.01	-0.33	-1.38
Billings, MT	CO	Maintenance	100	-	-0.00	-0.18	-0.69
Birmingham, AL	Ozone	Maintenance	100	-	0.27	-1.75	-8.22
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.27	-1.76	-8.25
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.01	-0.79	-3.17
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.01	-0.79	-3.17
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.00	-0.05	-0.18
Boston, MA	CO	Maintenance	100	-	0.31	-1.34	-6.76
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	1.91	-8.14	-41.24
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.25	-1.06	-5.39
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.01	-0.04	-0.12
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.34	-1.95	-9.32
Burlington, NJ	CO	Maintenance	100	-	0.00	-0.01	-0.05

Table B1-31
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Benzene 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Butte, MT	PM ₁₀	Moderate	100	-	-0.02	-0.08	-0.23
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	-0.05	-0.20
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.05	-0.55	-2.43
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.05	-0.55	-2.43
Case County, MI	Ozone	Maintenance	100	-	0.01	-0.09	-0.38
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.00	-0.02	-0.06
Charleston, WV	Ozone	Maintenance	100	-	0.07	-0.45	-2.12
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.07	-0.45	-2.12
Charlotte, NC	CO	Maintenance	100	-	0.26	-1.30	-6.38
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.45	-3.13	-14.52
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.01	-1.24	-4.96
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.01	-1.14	-4.55
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	2.46	-11.97	-58.98
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	2.52	-12.44	-61.08
Chico, CA	CO	Maintenance	100	-	0.04	-0.22	-1.07
Chico, CA	Ozone	Former Subpart 1	50	-	0.09	-0.49	-2.36
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.56	-3.51	-16.54
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.55	-3.38	-15.99
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	-0.02	-0.10
Clark County, NV	PM ₁₀	Serious	70	-	0.57	-2.77	-13.63
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-0.02	-0.68	-2.61
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.00	-0.41	-1.64
Cleveland, OH	CO	Maintenance	100	-	0.19	-1.61	-7.26
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.71	-4.43	-20.85
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.65	-4.07	-19.14
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.29	-1.16	-5.93
Colbert County, AL	SO _x	Maintenance	100	-	-0.00	-0.13	-0.51
Colorado Springs, CO	CO	Maintenance	100	-	0.11	-1.27	-5.57
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.00	-0.02	-0.06
Columbia, SC	Ozone	Former Subpart 1	50	-	0.03	-1.49	-6.03
Columbus, OH	Ozone	Maintenance	100	-	0.44	-3.30	-15.11
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.43	-3.03	-13.98
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	-0.01	-0.02
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.19	-1.61	-7.26
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.16	-1.34	-6.04
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	2.36	-12.89	-62.10
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.20	-1.47	-6.75

Table B1-31
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Benzene 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.17	-1.29	-5.94
Denver Metro, CO	PM ₁₀	Maintenance	100	-	1.16	-5.09	-25.61
Denver-Boulder, CO	CO	Maintenance	100	-	1.11	-4.87	-24.51
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	1.28	-6.41	-31.37
Detroit, MI	CO	Maintenance	100	-	0.33	-2.74	-12.35
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	1.12	-8.58	-39.18
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	1.11	-8.38	-38.38
Door County, WI	Ozone	Former Subpart 1	50	-	0.01	-0.06	-0.31
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.01	-0.06	-0.28
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.01	-0.05	-0.23
Duluth, MN	CO	Maintenance	100	-	0.00	-0.18	-0.71
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.01	-0.04	-0.11
East Chicago, IN	CO	Maintenance	100	-	0.00	-0.00	-0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.06	-0.33	-1.61
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	-0.00	-0.01
El Paso County, TX	PM ₁₀	Moderate	100	-	0.12	-0.94	-4.26
El Paso, TX	CO	Maintenance	100	-	0.01	-0.06	-0.26
Erie, PA	Ozone	Maintenance	100	-	0.06	-0.39	-1.83
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	-0.00	-0.01
Eugene-Springfield, OR	CO	Maintenance	100	-	-0.03	-0.64	-2.35
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-0.03	-0.61	-2.25
Evansville, IN	Ozone	Maintenance	100	-	0.05	-0.49	-2.16
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.04	-0.66	-2.82
Fairbanks, AK	CO	Maintenance	100	-	-0.02	-0.09	-0.25
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.09	-0.50	-2.42
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.02	-0.08
Flint, MI	Ozone	Maintenance	100	-	0.14	-0.91	-4.23
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Fort Collins, CO	CO	Maintenance	100	-	0.04	-0.37	-1.66
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	-0.00	-0.87	-3.43
Franklin County, PA	Ozone	Maintenance	100	-	0.01	-0.34	-1.42
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	-0.02	-0.36	-1.32
Fredericksburg, VA	Ozone	Maintenance	100	-	0.12	-0.84	-3.87
Freehold, NJ	CO	Maintenance	100	-	0.01	-0.03	-0.16
Fresno, CA	CO	Maintenance	100	-	0.22	-1.03	-5.12

Table B1-31
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Benzene 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Grand Rapids, MI	Ozone	Maintenance	100	-	0.20	-1.58	-7.19
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.01	-0.06	-0.30
Grant County, NM	SO _x	Maintenance	100	-	-0.00	-0.01	-0.03
Grants Pass, OR	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.09	-0.35
Great Falls, MT	CO	Maintenance	100	-	-0.00	-0.04	-0.16
Greater Connecticut, CT	Ozone	Moderate	50	-	0.52	-2.68	-13.08
Greeley, CO	CO	Maintenance	100	-	0.02	-0.27	-1.16
Green Bay, WI	SO _x	Maintenance	100	-	0.03	-0.23	-1.06
Greene County, IN	Ozone	Maintenance	100	-	0.00	-0.11	-0.44
Greene County, PA	Ozone	Maintenance	100	-	-0.00	-0.11	-0.43
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.44	-2.87	-13.41
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.24	-1.35	-6.47
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-0.02	-2.09	-8.17
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.01	-0.04	-0.19
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.03	-0.21	-0.98
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.28	-1.51	-7.29
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.25	-1.40	-6.74
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.35	-1.68	-8.29
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	-0.02	-0.09
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.01	-0.07	-0.36
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	-0.01	-0.04
Hazelwood, PA	SO _x	Maintenance	100	-	0.01	-0.08	-0.34
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.04	-0.31	-1.42
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.07	-0.52	-2.40
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	-0.00	-0.02
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	0.86	-12.00	-51.49
Humphreys County, TN	SO _x	Maintenance	100	-	-0.00	-0.01	-0.03
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-0.02	-0.72	-2.75
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-0.01	-0.38	-1.45
Huron County, MI	Ozone	Maintenance	100	-	0.00	-0.06	-0.25
Imperial County, CA	Ozone	Moderate	50	-	0.08	-0.40	-1.98
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.08	-0.40	-1.94
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.01	-0.06	-0.27
Indianapolis, IN	CO	Maintenance	100	-	0.00	-0.00	-0.01
Indianapolis, IN	Ozone	Maintenance	100	-	0.49	-3.87	-17.61
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.40	-3.05	-13.94
Jackson County, IN	Ozone	Maintenance	100	-	0.01	-0.17	-0.70
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.04	-0.28	-1.29

Table B1-31
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Benzene 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Jefferson County, NY	Ozone	Moderate	50	-	0.04	-0.21	-1.00
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.00	-0.02	-0.07
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-0.03	-0.55	-2.05
Johnstown, PA	Ozone	Maintenance	100	-	0.01	-0.18	-0.77
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.01	-0.21	-0.87
Juneau, AK	PM ₁₀	Moderate	100	-	-0.02	-0.06	-0.17
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.09	-0.99	-4.30
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.00	-0.08	-0.31
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.11	-3.87	-15.79
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.06	-0.23	-1.18
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	-0.06	-0.24
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.02	-0.15	-0.69
Kewaunee County, WI	Ozone	Maintenance	100	-	0.01	-0.04	-0.20
King County, WA	PM ₁₀	Maintenance	100	-	0.00	-0.02	-0.10
Klamath Falls, OR	CO	Maintenance	100	-	-0.01	-0.14	-0.49
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.01	-0.14	-0.49
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.10	-2.81	-11.56
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.05	-2.20	-8.91
La Porte County, IN	SO _x	Maintenance	100	-	-0.00	-0.08	-0.31
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.01	-0.05	-0.16
Lake County, IN	SO _x	Maintenance	100	-	0.09	-0.48	-2.35
Lake County, OH	SO _x	Maintenance	100	-	0.01	-0.06	-0.28
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.02	-0.06
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.01	-0.06	-0.29
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.03	-0.12	-0.64
Lake Tahoe, NV	CO	Maintenance	100	-	0.01	-0.03	-0.16
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.01	-0.03	-0.10
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
Lancaster, PA	Ozone	Maintenance	100	-	0.16	-0.75	-3.71
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.16	-0.75	-3.71
Lane County, OR	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.15	-0.81	-3.90
LaPorte, IN	Ozone	Maintenance	100	-	-0.00	-0.22	-0.86
Las Vegas, NV	CO	Serious	100	-	0.57	-2.77	-13.63
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.57	-2.80	-13.80
Lauderdale County, AL	SO _x	Maintenance	100	-	0.03	-0.14	-0.68
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.02
Libby, MT	PM ₁₀	Moderate	100	-	0.00	-0.01	-0.04
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	-0.01	-0.05

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Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Benzene 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	-0.02	-0.10
Lima, OH	Ozone	Maintenance	100	-	-0.01	-0.26	-1.00
Longmont, CO	CO	Maintenance	100	-	0.04	-0.15	-0.80
Lorain County, OH	SO _x	Maintenance	100	-	0.01	-0.08	-0.38
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	5.49	-26.49	-130.67
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	5.49	-26.49	-130.67
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	5.49	-26.49	-130.67
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	5.49	-26.49	-130.68
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	5.49	-26.49	-130.67
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.26	-1.20	-5.96
Louisville, KY-IN	Ozone	Maintenance	100	-	0.30	-1.97	-9.21
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.28	-1.90	-8.85
Lowell, MA	CO	Maintenance	100	-	0.04	-0.19	-0.95
Lucas County, OH	SO _x	Maintenance	100	-	0.07	-0.51	-2.36
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.02	-0.10	-0.48
Macon, GA	Ozone	Maintenance	100	-	-0.01	-0.48	-1.85
Macon, GA	PM _{2.5}	Nonattainment	100	-	-0.01	-0.47	-1.82
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	-0.01	-0.02
Madison, WI	SO _x	Maintenance	100	-	0.07	-0.49	-2.25
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	-0.02	-0.10
Manchester, NH	CO	Maintenance	100	-	0.03	-0.11	-0.57
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.03	-0.16	-0.80
Marion County, IN	SO _x	Maintenance	100	-	0.04	-0.61	-2.61
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.05	-0.21	-1.06
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.02	-0.71	-2.90
Mason County, MI	Ozone	Maintenance	100	-	0.00	-0.05	-0.23
Medford, OR	CO	Maintenance	100	-	0.03	-0.15	-0.71
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.07	-0.35	-1.71
Memphis, TN-AR	Ozone	Maintenance	100	-	0.18	-1.86	-8.19
Memphis, TN	CO	Maintenance	100	-	0.23	-1.57	-7.32
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.01	-0.06	-0.27
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	-0.01	-0.04
Milwaukee, WI	SO _x	Maintenance	100	-	0.13	-0.91	-4.23
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.52	-3.15	-14.93
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.50	-5.99	-26.03
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.48	-5.82	-25.29
Missoula, MT	CO	Maintenance	100	-	-0.02	-0.20	-0.67
Missoula, MT	PM ₁₀	Moderate	100	-	-0.02	-0.19	-0.65
Modesto, CA	CO	Maintenance	100	-	0.10	-0.62	-2.92

Table B1-31
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Benzene 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.04	-0.20	-0.98
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	-0.01	-0.03
Morristown, NJ	CO	Maintenance	100	-	0.01	-0.06	-0.29
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.00	-0.07	-0.26
Muncie, IN	Ozone	Maintenance	100	-	-0.03	-0.31	-1.09
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	-0.01	-0.04
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	-0.04	-0.14
Muskegon, MI	Ozone	Maintenance	100	-	0.01	-0.28	-1.17
Nashua, NH	CO	Maintenance	100	-	0.02	-0.09	-0.46
Nashville, TN	Ozone	Former Subpart 1	50	-	0.48	-3.02	-14.24
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.06	-0.28	-1.40
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.05	-0.25	-1.23
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.25	-1.27	-6.20
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.00	-0.01	-0.05
New York County, NY	PM ₁₀	Moderate	100	-	-2.85	-7.06	-14.38
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-3.32	-25.22	-83.87
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-0.96	-37.12	-142.05
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-0.93	-36.74	-140.71
Nogales, AZ	PM ₁₀	Moderate	100	-	0.01	-0.07	-0.35
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.48	-2.67	-12.82
Ogden, UT	CO	Maintenance	100	-	0.02	-0.12	-0.56
Ogden, UT	PM ₁₀	Moderate	100	-	0.02	-0.12	-0.56
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.02
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	-0.04	-0.17
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.02	-0.22	-1.00
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	-0.01	-0.04
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.01	-0.31	-1.26
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	-0.31	-1.27
Payson, AZ	PM ₁₀	Maintenance	100	-	0.01	-0.04	-0.17
Penns Grove, NJ	CO	Maintenance	100	-	0.00	-0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.03	-0.15	-0.76
Perth Amboy, NJ	CO	Maintenance	100	-	0.03	-0.14	-0.71
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.12	-0.59	-2.90
Phildelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	1.10	-7.97	-36.72
Phildelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	1.82	-11.39	-53.60

Table B1-31
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Benzene 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Phoenix, AZ	CO	Maintenance	100	-	2.06	-9.08	-45.63
Phoenix, AZ	PM ₁₀	Serious	70	-	2.11	-9.33	-46.89
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	2.12	-9.36	-47.03
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	-0.02	-0.09
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Pittsburgh, PA	CO	Maintenance	100	-	0.01	-0.05	-0.22
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.44	-3.63	-16.42
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.43	-3.25	-14.89
Polk County, TN	SO _x	Maintenance	100	-	0.00	-0.05	-0.19
Polson, MT	PM ₁₀	Moderate	100	-	0.00	-0.01	-0.03
Portland, ME	Ozone	Maintenance	100	-	0.20	-0.92	-4.55
Portland, OR	CO	Maintenance	100	-	0.30	-2.08	-9.64
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.01	-0.12	-0.43
Poughkeepsie, NY	Ozone	Moderate	50	-	0.46	-2.56	-12.27
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	-0.02	-0.08
Providence (entire State), RI	Ozone	Moderate	50	-	0.26	-1.84	-8.48
Provo, UT	CO	Maintenance	100	-	0.05	-0.32	-1.50
Raleigh-Durham, NC	CO	Maintenance	100	-	0.46	-2.32	-11.38
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.61	-3.20	-15.54
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.02
Reading, PA	Ozone	Maintenance	100	-	0.09	-0.59	-2.74
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.09	-0.59	-2.74
Reno, NV	CO	Maintenance	100	-	0.09	-0.40	-1.98
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	-0.00	-0.01
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.38	-2.08	-10.02
Rillito, AZ	PM ₁₀	Moderate	100	-	0.02	-0.09	-0.45
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.29	-1.16	-5.93
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.05	-0.50	-2.19
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.02	-0.16	-0.72
Rochester, NY	Ozone	Former Subpart 1	50	-	0.40	-2.28	-10.91
Rocky Mount, NC	Ozone	Maintenance	100	-	0.03	-0.36	-1.56
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.01	-0.27	-1.08
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	-0.01	-0.02
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.61	-2.74	-13.72
Sacramento Metro, CA	Ozone	Severe	25	-	1.06	-5.14	-25.35
Sacramento, CA	CO	Maintenance	100	-	0.68	-3.08	-15.42
Salem, OR	CO	Maintenance	100	-	0.03	-0.24	-1.08

Table B1-31
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Benzene 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Salt Lake City, UT	CO	Maintenance	100	-	0.07	-0.38	-1.82
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.31	-1.84	-8.75
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.31	-1.84	-8.75
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.25	-4.06	-17.21
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.17	-0.73	-3.67
San Diego, CA	CO	Maintenance	100	-	1.72	-7.31	-37.03
San Diego, CA	Ozone	Former Subpart 1	50	-	1.72	-7.32	-37.10
San Francisco Bay Area, CA	Ozone	Marginal	50	-	2.35	-11.24	-55.52
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	2.67	-12.61	-62.49
San Joaquin Valley, CA	Ozone	Extreme	10	-	1.56	-8.83	-42.29
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	1.57	-8.86	-42.42
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	1.56	-8.83	-42.29
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.01	-0.06	-0.30
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.17	-1.22	-5.59
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.49	-6.39	-27.55
Sheboygan, WI	Ozone	Moderate	50	-	0.03	-0.23	-1.03
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.01	-0.07	-0.24
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.01	-0.03	-0.14
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.10	-0.85	-3.83
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.05	-0.25	-1.21
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.04	-0.65	-2.76
Spokane, WA	CO	Maintenance	100	-	0.04	-0.64	-2.73
Springfield (western MA), MA	Ozone	Moderate	50	-	0.32	-1.40	-7.08
Springfield, MA	CO	Maintenance	100	-	0.05	-0.23	-1.18
St Louis, MO	CO	Maintenance	100	-	0.12	-1.68	-7.18
St Louis, MO-IL	Ozone	Moderate	50	-	0.68	-5.28	-24.05
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.67	-5.25	-23.90
State College, PA	Ozone	Maintenance	100	-	0.06	-0.29	-1.44
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	-0.04	-0.19
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.01	-0.11	-0.40
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.02	-0.24	-0.88
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.02	-0.24	-0.88
Stockton, CA	CO	Maintenance	100	-	0.17	-0.89	-4.34
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.07	-1.02	-4.36
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.02
Terre Haute, IN	Ozone	Maintenance	100	-	-0.01	-0.31	-1.16

Table B1-31
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Benzene 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Tioga County, PA	Ozone	Maintenance	100	-	0.02	-0.09	-0.43
Toledo, OH	Ozone	Maintenance	100	-	0.14	-0.95	-4.41
Toms River, NJ	CO	Maintenance	100	-	0.04	-0.17	-0.87
Tooele County, UT	SO _x	Nonattainment	100	-	-0.00	-0.25	-0.98
Trenton, NJ	CO	Maintenance	100	-	0.03	-0.14	-0.72
Trona, CA	PM ₁₀	Moderate	100	-	0.00	-0.01	-0.03
Tucson, AZ	CO	Maintenance	100	-	0.34	-1.79	-8.67
Utah County, UT	PM ₁₀	Moderate	100	-	0.14	-0.94	-4.34
Vancouver, WA	CO	Maintenance	100	-	0.09	-0.63	-2.89
Ventura County, CA	Ozone	Serious	50	-	0.34	-1.50	-7.56
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.00	-0.02	-0.07
Vigo County, IN	SO _x	Maintenance	100	-	-0.01	-0.31	-1.16
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.02	-0.09	-0.44
Warren County, NJ	SO _x	Maintenance	100	-	0.01	-0.06	-0.29
Warren County, PA	SO _x	Nonattainment	100	-	0.00	-0.02	-0.11
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.01	-0.47	-1.91
Washington, DC-MD-VA	CO	Maintenance	100	-	0.57	-2.56	-12.81
Washington, DC-MD-VA	Ozone	Moderate	50	-	2.02	-9.20	-45.93
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	1.99	-8.96	-44.85
Washoe County, NV	PM ₁₀	Serious	70	-	0.09	-0.40	-1.98
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.00	-0.01	-0.04
Wayne County, IN	SO _x	Maintenance	100	-	-0.00	-0.15	-0.60
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.02	-0.17	-0.73
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.02	-0.08
Weirton, WV	SO _x	Maintenance	100	-	-0.00	-0.03	-0.11
Wheeling, WV-OH	Ozone	Maintenance	100	-	-0.01	-0.34	-1.30
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.01	-0.34	-1.30
Winston-Salem, NC	CO	Maintenance	100	-	0.10	-0.77	-3.51
Worcester, MA	CO	Maintenance	100	-	0.09	-0.37	-1.86
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	-0.22	-0.88
Yakima, WA	CO	Maintenance	100	-	0.00	-0.10	-0.40
York, PA	Ozone	Maintenance	100	-	0.12	-0.83	-3.86
York, PA	PM _{2.5}	Nonattainment	100	-	0.10	-0.63	-2.96
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.15	-1.08	-4.96
Yuma, AZ	PM ₁₀	Moderate	100	-	0.06	-0.35	-1.67

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

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

c/ Emissions thresholds in tons/year of: VOC or NO_x in ozone NAAs; primary PM_{2.5} in PM_{2.5} NAAs. Source: 40 CFR 51.853. These thresholds

Table B1-31
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Benzene 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks

are provided for information only; a general conformity determination is not required for the proposed actions.
 Source: EPA, 2008.

Table B1-32
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Benzene 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.00	-0.01	-0.02
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	-0.01	-0.05
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	-0.01	-0.06
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-0.32	-4.93	-18.17
Albuquerque, NM	CO	Maintenance	100	-	-0.03	-1.89	-7.51
Allegan County, MI	Ozone	Former Subpart 1	50	-	-0.02	-0.56	-2.16
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.00	-1.85	-7.50
Altoona, PA	Ozone	Maintenance	100	-	-0.01	-0.30	-1.17
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	-0.70	-2.90
Anchorage, AK	CO	Maintenance	100	-	-0.09	-0.75	-2.52
Anthony, NM	PM ₁₀	Moderate	100	-	-0.00	-0.03	-0.10
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	-0.01	-0.06
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.03	-0.10
Atlanta, GA	Ozone	Moderate	50	-	-0.09	-23.08	-93.13
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-0.09	-23.09	-93.16
Atlantic City, NJ	CO	Maintenance	100	-	0.00	-0.15	-0.60
Bakersfield, CA	CO	Maintenance	100	-	-0.01	-1.58	-6.32
Baltimore, MD	CO	Maintenance	100	-	-0.00	-0.03	-0.12
Baltimore, MD	Ozone	Moderate	50	-	0.09	-9.60	-39.43
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.09	-9.60	-39.43
Baton Rouge, LA	Ozone	Moderate	50	-	-0.11	-2.56	-9.73
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.06	-1.31	-4.97
Benton County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Benton Harbor, MI	Ozone	Maintenance	100	-	-0.03	-0.55	-2.06
Benzie County, MI	Ozone	Maintenance	100	-	-0.00	-0.10	-0.38
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-0.02	-0.54	-2.09
Billings, MT	CO	Maintenance	100	-	-0.02	-0.27	-1.00
Birmingham, AL	Ozone	Maintenance	100	-	-0.03	-3.04	-12.17
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-0.03	-3.05	-12.22
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-0.06	-1.26	-4.78
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-0.06	-1.26	-4.78
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.00	-0.08	-0.29
Boston, MA	CO	Maintenance	100	-	0.03	-2.52	-10.35
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.17	-15.56	-64.10
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.02	-2.07	-8.55
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.01	-0.05	-0.16
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-0.02	-3.46	-13.96
Burlington, NJ	CO	Maintenance	100	-	0.00	-0.01	-0.06

Table B1-32
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Benzene 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Butte, MT	PM ₁₀	Moderate	100	-	-0.01	-0.09	-0.29
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.09	-0.33
Canton-Massillon, OH	Ozone	Maintenance	100	-	-0.02	-0.90	-3.51
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-0.02	-0.90	-3.51
Case County, MI	Ozone	Maintenance	100	-	-0.01	-0.14	-0.55
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.00	-0.02	-0.07
Charleston, WV	Ozone	Maintenance	100	-	-0.01	-0.75	-3.01
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-0.01	-0.75	-3.01
Charlotte, NC	CO	Maintenance	100	-	0.01	-2.51	-10.26
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-0.05	-5.69	-22.82
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-0.10	-1.90	-7.12
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-0.09	-1.75	-6.59
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.10	-22.69	-92.61
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.09	-23.51	-95.83
Chico, CA	CO	Maintenance	100	-	0.00	-0.47	-1.91
Chico, CA	Ozone	Former Subpart 1	50	-	0.00	-0.98	-4.00
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-0.04	-6.29	-25.29
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-0.03	-6.07	-24.44
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.00	-0.03	-0.13
Clark County, NV	PM ₁₀	Serious	70	-	0.03	-5.56	-22.73
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-0.07	-1.06	-3.91
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-0.04	-0.63	-2.37
Cleveland, OH	CO	Maintenance	100	-	-0.06	-2.56	-10.07
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-0.07	-7.73	-30.97
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-0.06	-7.07	-28.32
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.04	-2.48	-10.28
Colbert County, AL	SO _x	Maintenance	100	-	-0.01	-0.19	-0.68
Colorado Springs, CO	CO	Maintenance	100	-	-0.05	-2.25	-8.83
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.00	-0.02	-0.09
Columbia, SC	Ozone	Former Subpart 1	50	-	-0.11	-2.36	-8.94
Columbus, OH	Ozone	Maintenance	100	-	-0.07	-6.00	-23.95
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-0.06	-5.56	-22.24
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	-0.01	-0.03
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-0.06	-2.56	-10.07
Cuyahoga County, OH	SO _x	Maintenance	100	-	-0.06	-2.25	-8.76
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.02	-24.83	-100.83
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-0.04	-2.47	-9.80

Table B1-32
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Benzene 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-0.03	-2.17	-8.60
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.11	-10.11	-41.61
Denver-Boulder, CO	CO	Maintenance	100	-	0.10	-9.67	-39.78
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.05	-12.41	-50.66
Detroit, MI	CO	Maintenance	100	-	-0.14	-4.13	-15.97
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-0.24	-14.94	-59.22
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-0.23	-14.63	-58.04
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	-0.12	-0.50
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	-0.10	-0.41
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	-0.08	-0.34
Duluth, MN	CO	Maintenance	100	-	-0.02	-0.27	-1.00
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.01	-0.05	-0.16
East Chicago, IN	CO	Maintenance	100	-	0.00	-0.00	-0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.00	-0.58	-2.37
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.01
El Paso County, TX	PM ₁₀	Moderate	100	-	-0.02	-1.65	-6.56
El Paso, TX	CO	Maintenance	100	-	-0.00	-0.10	-0.39
Erie, PA	Ozone	Maintenance	100	-	-0.01	-0.67	-2.68
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	-0.01	-0.02
Eugene-Springfield, OR	CO	Maintenance	100	-	-0.07	-0.95	-3.45
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-0.07	-0.91	-3.32
Evansville, IN	Ozone	Maintenance	100	-	-0.02	-0.82	-3.20
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-0.04	-1.06	-4.11
Fairbanks, AK	CO	Maintenance	100	-	-0.02	-0.11	-0.34
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-0.00	-0.92	-3.71
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.03	-0.12
Flint, MI	Ozone	Maintenance	100	-	-0.02	-1.57	-6.28
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Fort Collins, CO	CO	Maintenance	100	-	-0.01	-0.67	-2.67
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	-0.07	-1.34	-5.02
Franklin County, PA	Ozone	Maintenance	100	-	-0.02	-0.55	-2.12
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	-0.04	-0.52	-1.88
Fredericksburg, VA	Ozone	Maintenance	100	-	-0.02	-1.58	-6.32
Freehold, NJ	CO	Maintenance	100	-	0.00	-0.07	-0.28
Fresno, CA	CO	Maintenance	100	-	0.02	-2.01	-8.25

Table B1-32
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Benzene 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Grand Rapids, MI	Ozone	Maintenance	100	-	-0.04	-2.83	-11.24
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	-0.10	-0.42
Grant County, NM	SO _x	Maintenance	100	-	-0.00	-0.01	-0.03
Grants Pass, OR	CO	Maintenance	100	-	-0.00	-0.00	-0.01
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.01	-0.15	-0.54
Great Falls, MT	CO	Maintenance	100	-	-0.00	-0.06	-0.21
Greater Connecticut, CT	Ozone	Moderate	50	-	0.01	-4.82	-19.57
Greeley, CO	CO	Maintenance	100	-	-0.01	-0.46	-1.78
Green Bay, WI	SO _x	Maintenance	100	-	-0.01	-0.40	-1.61
Greene County, IN	Ozone	Maintenance	100	-	-0.01	-0.17	-0.65
Greene County, PA	Ozone	Maintenance	100	-	-0.01	-0.16	-0.60
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-0.04	-5.02	-20.13
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-0.00	-2.39	-9.68
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-0.18	-3.09	-11.51
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-0.00	-0.07	-0.28
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-0.01	-0.37	-1.48
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.00	-2.83	-11.48
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-0.00	-2.61	-10.59
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.01	-3.01	-12.27
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	-0.04	-0.15
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-0.00	-0.15	-0.59
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.00	-0.02	-0.06
Hazelwood, PA	SO _x	Maintenance	100	-	-0.00	-0.13	-0.52
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-0.01	-0.52	-2.05
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-0.01	-0.89	-3.53
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	-0.01	-0.03
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.58	-20.21	-78.69
Humphreys County, TN	SO _x	Maintenance	100	-	-0.00	-0.01	-0.04
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-0.07	-1.04	-3.82
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-0.04	-0.54	-1.95
Huron County, MI	Ozone	Maintenance	100	-	-0.01	-0.09	-0.35
Imperial County, CA	Ozone	Moderate	50	-	0.00	-0.80	-3.28
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.00	-0.79	-3.21
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-0.00	-0.10	-0.39
Indianapolis, IN	CO	Maintenance	100	-	-0.00	-0.00	-0.01
Indianapolis, IN	Ozone	Maintenance	100	-	-0.10	-6.87	-27.30
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-0.07	-5.45	-21.68
Jackson County, IN	Ozone	Maintenance	100	-	-0.01	-0.27	-1.02
Jamestown, NY	Ozone	Former Subpart 1	50	-	-0.01	-0.48	-1.91

Table B1-32
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Benzene 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Jefferson County, NY	Ozone	Moderate	50	-	0.00	-0.37	-1.51
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.00	-0.02	-0.09
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-0.06	-0.79	-2.87
Johnstown, PA	Ozone	Maintenance	100	-	-0.01	-0.26	-0.99
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-0.02	-0.30	-1.11
Juneau, AK	PM ₁₀	Moderate	100	-	-0.01	-0.08	-0.25
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-0.05	-1.63	-6.33
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.01	-0.13	-0.47
Kansas City, MO-KS	Ozone	Maintenance	100	-	-0.28	-6.28	-23.91
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.01	-0.46	-1.90
Kent, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.10	-0.39
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.26	-1.02
Kewaunee County, WI	Ozone	Maintenance	100	-	-0.00	-0.08	-0.30
King County, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.04	-0.15
Klamath Falls, OR	CO	Maintenance	100	-	-0.02	-0.19	-0.68
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.02	-0.19	-0.68
Knoxville, TN	Ozone	Former Subpart 1	50	-	-0.18	-4.66	-17.88
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-0.15	-3.56	-13.58
La Porte County, IN	SO _x	Maintenance	100	-	-0.01	-0.11	-0.42
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.01	-0.07	-0.23
Lake County, IN	SO _x	Maintenance	100	-	0.00	-0.84	-3.40
Lake County, OH	SO _x	Maintenance	100	-	-0.00	-0.10	-0.42
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.02	-0.08
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	-0.13	-0.52
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	-0.29	-1.19
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	-0.06	-0.24
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.01	-0.05	-0.15
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Lancaster, PA	Ozone	Maintenance	100	-	0.01	-1.41	-5.77
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.01	-1.41	-5.77
Lane County, OR	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.02
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-0.00	-1.47	-5.95
LaPorte, IN	Ozone	Maintenance	100	-	-0.02	-0.32	-1.17
Las Vegas, NV	CO	Serious	100	-	0.03	-5.56	-22.73
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.03	-5.61	-22.97
Lauderdale County, AL	SO _x	Maintenance	100	-	-0.00	-0.25	-0.99
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.00	-0.01	-0.02
Libby, MT	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.05
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.00	-0.02	-0.07

Table B1-32
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Benzene 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.00	-0.03	-0.13
Lima, OH	Ozone	Maintenance	100	-	-0.03	-0.38	-1.41
Longmont, CO	CO	Maintenance	100	-	0.01	-0.33	-1.35
Lorain County, OH	SO _x	Maintenance	100	-	-0.00	-0.14	-0.58
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.26	-51.26	-209.41
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	0.26	-51.26	-209.41
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.26	-51.26	-209.41
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.26	-51.26	-209.41
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.26	-51.26	-209.40
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.02	-2.36	-9.65
Louisville, KY-IN	Ozone	Maintenance	100	-	-0.03	-3.42	-13.69
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-0.04	-3.27	-13.04
Lowell, MA	CO	Maintenance	100	-	0.00	-0.37	-1.54
Lucas County, OH	SO _x	Maintenance	100	-	-0.02	-0.85	-3.38
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.00	-0.17	-0.69
Macon, GA	Ozone	Maintenance	100	-	-0.05	-0.68	-2.51
Macon, GA	PM _{2.5}	Nonattainment	100	-	-0.05	-0.68	-2.48
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.00	-0.01	-0.03
Madison, WI	SO _x	Maintenance	100	-	-0.01	-0.92	-3.67
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.00	-0.05	-0.19
Manchester, NH	CO	Maintenance	100	-	0.00	-0.19	-0.79
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-0.00	-0.29	-1.18
Marion County, IN	SO _x	Maintenance	100	-	-0.03	-0.96	-3.71
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	-0.45	-1.82
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-0.05	-1.12	-4.27
Mason County, MI	Ozone	Maintenance	100	-	-0.00	-0.09	-0.35
Medford, OR	CO	Maintenance	100	-	0.00	-0.29	-1.19
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.00	-0.70	-2.86
Memphis, TN-AR	Ozone	Maintenance	100	-	-0.08	-3.01	-11.75
Memphis, TN	CO	Maintenance	100	-	-0.03	-2.67	-10.66
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-0.00	-0.11	-0.44
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.00	-0.01	-0.05
Milwaukee, WI	SO _x	Maintenance	100	-	-0.02	-1.56	-6.22
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-0.03	-5.70	-22.94
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-0.28	-10.22	-39.87
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-0.27	-9.92	-38.71
Missoula, MT	CO	Maintenance	100	-	-0.03	-0.27	-0.95
Missoula, MT	PM ₁₀	Moderate	100	-	-0.02	-0.26	-0.92
Modesto, CA	CO	Maintenance	100	-	-0.00	-1.20	-4.85

Table B1-32
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Benzene 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	-0.41	-1.66
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.02
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.00	-0.01	-0.04
Morristown, NJ	CO	Maintenance	100	-	0.00	-0.12	-0.50
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.01	-0.10	-0.36
Muncie, IN	Ozone	Maintenance	100	-	-0.04	-0.41	-1.42
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.00	-0.02	-0.08
Muscatine County, IA	SO _x	Maintenance	100	-	-0.00	-0.06	-0.22
Muskegon, MI	Ozone	Maintenance	100	-	-0.02	-0.45	-1.74
Nashua, NH	CO	Maintenance	100	-	0.00	-0.16	-0.65
Nashville, TN	Ozone	Former Subpart 1	50	-	-0.03	-5.56	-22.41
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.01	-0.61	-2.50
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	-0.51	-2.06
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.00	-2.27	-9.20
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.00	-0.02	-0.08
New York County, NY	PM ₁₀	Moderate	100	-	-1.89	-6.50	-15.60
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-3.67	-33.50	-115.06
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-3.61	-55.67	-205.29
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-3.56	-55.12	-203.33
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	-0.13	-0.54
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-0.01	-4.80	-19.40
Ogden, UT	CO	Maintenance	100	-	-0.00	-0.21	-0.84
Ogden, UT	PM ₁₀	Moderate	100	-	-0.00	-0.21	-0.84
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.02
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.00	-0.06	-0.23
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-0.01	-0.40	-1.59
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.00	-0.02	-0.08
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-0.02	-0.48	-1.81
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.02	-0.48	-1.82
Payson, AZ	PM ₁₀	Maintenance	100	-	-0.00	-0.07	-0.27
Penns Grove, NJ	CO	Maintenance	100	-	0.00	-0.00	-0.01
Peoria, IL	SO _x	Maintenance	100	-	0.00	-0.27	-1.12
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	-0.30	-1.25
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.00	-1.01	-4.11
Phildelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-0.19	-13.78	-54.79
Phildelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-0.16	-20.12	-80.70

Table B1-32
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Benzene 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Phoenix, AZ	CO	Maintenance	100	-	0.22	-19.55	-80.55
Phoenix, AZ	PM ₁₀	Serious	70	-	0.22	-20.05	-82.61
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.23	-20.10	-82.81
Pierce County, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.03	-0.12
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Pittsburgh, PA	CO	Maintenance	100	-	-0.00	-0.11	-0.42
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-0.12	-6.09	-24.00
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-0.09	-5.51	-21.81
Polk County, TN	SO _x	Maintenance	100	-	-0.00	-0.07	-0.27
Polson, MT	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.05
Portland, ME	Ozone	Maintenance	100	-	0.01	-1.71	-6.99
Portland, OR	CO	Maintenance	100	-	-0.04	-3.62	-14.45
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.01	-0.17	-0.59
Poughkeepsie, NY	Ozone	Moderate	50	-	-0.01	-4.95	-20.05
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.00	-0.03	-0.11
Providence (entire State), RI	Ozone	Moderate	50	-	-0.04	-3.29	-13.09
Provo, UT	CO	Maintenance	100	-	-0.00	-0.60	-2.42
Raleigh-Durham, NC	CO	Maintenance	100	-	0.02	-4.51	-18.41
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.02	-6.14	-25.02
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.02
Reading, PA	Ozone	Maintenance	100	-	-0.01	-1.03	-4.12
Reading, PA	PM _{2.5}	Nonattainment	100	-	-0.01	-1.03	-4.12
Reno, NV	CO	Maintenance	100	-	0.01	-0.74	-3.05
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.00	-0.01	-0.02
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-0.00	-3.76	-15.23
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	-0.19	-0.76
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.04	-2.48	-10.28
Roanoke, VA	Ozone	Former Subpart 1	50	-	-0.02	-0.81	-3.18
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-0.01	-0.28	-1.09
Rochester, NY	Ozone	Former Subpart 1	50	-	-0.01	-4.09	-16.52
Rocky Mount, NC	Ozone	Maintenance	100	-	-0.02	-0.58	-2.25
Rome, GA	PM _{2.5}	Nonattainment	100	-	-0.02	-0.41	-1.56
Ronan, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.02
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.00	-0.01	-0.03
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.05	-5.68	-23.31
Sacramento Metro, CA	Ozone	Severe	25	-	0.07	-10.61	-43.41
Sacramento, CA	CO	Maintenance	100	-	0.06	-6.38	-26.22
Salem, OR	CO	Maintenance	100	-	-0.01	-0.40	-1.60

Table B1-32
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Benzene 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Salt Lake City, UT	CO	Maintenance	100	-	-0.00	-0.70	-2.85
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-0.01	-3.37	-13.61
Salt Lake County, UT	SO _x	Nonattainment	100	-	-0.01	-3.37	-13.61
San Antonio, TX	Ozone	Former Subpart 1	50	-	-0.21	-6.77	-26.28
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.02	-1.41	-5.83
San Diego, CA	CO	Maintenance	100	-	0.18	-15.06	-62.14
San Diego, CA	Ozone	Former Subpart 1	50	-	0.18	-15.09	-62.26
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.14	-21.99	-89.97
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.17	-24.62	-100.83
San Joaquin Valley, CA	Ozone	Extreme	10	-	-0.00	-17.42	-70.64
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-0.00	-17.46	-70.79
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-0.00	-17.42	-70.64
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	-0.12	-0.50
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-0.03	-2.11	-8.40
Seattle-Tacoma, WA	CO	Maintenance	100	-	-0.30	-10.90	-42.52
Sheboygan, WI	Ozone	Moderate	50	-	-0.01	-0.40	-1.59
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.01	-0.09	-0.31
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	-0.05	-0.23
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-0.03	-1.45	-5.72
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-0.00	-0.37	-1.49
Spokane County, WA	PM ₁₀	Maintenance	100	-	-0.03	-1.09	-4.21
Spokane, WA	CO	Maintenance	100	-	-0.03	-1.07	-4.16
Springfield (western MA), MA	Ozone	Moderate	50	-	0.03	-2.63	-10.82
Springfield, MA	CO	Maintenance	100	-	0.00	-0.46	-1.90
St Louis, MO	CO	Maintenance	100	-	-0.10	-2.53	-9.67
St Louis, MO-IL	Ozone	Moderate	50	-	-0.15	-8.86	-35.04
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-0.15	-8.80	-34.82
State College, PA	Ozone	Maintenance	100	-	0.00	-0.56	-2.32
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.08	-0.32
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.02	-0.15	-0.54
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.03	-0.33	-1.17
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.03	-0.33	-1.17
Stockton, CA	CO	Maintenance	100	-	0.00	-1.84	-7.47
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-0.06	-1.64	-6.30
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.03
Terre Haute, IN	Ozone	Maintenance	100	-	-0.03	-0.43	-1.54

Table B1-32
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Benzene 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Tioga County, PA	Ozone	Maintenance	100	-	-0.00	-0.15	-0.62
Toledo, OH	Ozone	Maintenance	100	-	-0.02	-1.62	-6.44
Toms River, NJ	CO	Maintenance	100	-	0.00	-0.36	-1.47
Tooele County, UT	SO _x	Nonattainment	100	-	-0.02	-0.38	-1.44
Trenton, NJ	CO	Maintenance	100	-	0.00	-0.28	-1.13
Trona, CA	PM ₁₀	Moderate	100	-	0.00	-0.01	-0.05
Tucson, AZ	CO	Maintenance	100	-	0.01	-3.43	-13.94
Utah County, UT	PM ₁₀	Moderate	100	-	-0.01	-1.72	-6.90
Vancouver, WA	CO	Maintenance	100	-	-0.01	-1.17	-4.71
Ventura County, CA	Ozone	Serious	50	-	0.03	-3.10	-12.75
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.00	-0.03	-0.10
Vigo County, IN	SO _x	Maintenance	100	-	-0.03	-0.43	-1.54
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.00	-0.16	-0.68
Warren County, NJ	SO _x	Maintenance	100	-	0.00	-0.11	-0.45
Warren County, PA	SO _x	Nonattainment	100	-	-0.00	-0.04	-0.15
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-0.03	-0.72	-2.75
Washington, DC-MD-VA	CO	Maintenance	100	-	0.04	-5.03	-20.62
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.16	-17.97	-73.81
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.17	-17.53	-72.03
Washoe County, NV	PM ₁₀	Serious	70	-	0.01	-0.74	-3.05
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.00	-0.01	-0.05
Wayne County, IN	SO _x	Maintenance	100	-	-0.02	-0.22	-0.82
Wayne County, MI	PM ₁₀	Maintenance	100	-	-0.02	-0.45	-1.68
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.03	-0.09
Weirton, WV	SO _x	Maintenance	100	-	-0.00	-0.04	-0.13
Wheeling, WV-OH	Ozone	Maintenance	100	-	-0.04	-0.48	-1.73
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.04	-0.48	-1.73
Winston-Salem, NC	CO	Maintenance	100	-	-0.02	-1.34	-5.33
Worcester, MA	CO	Maintenance	100	-	0.01	-0.74	-3.07
Yakima County, WA	PM ₁₀	Maintenance	100	-	-0.02	-0.34	-1.30
Yakima, WA	CO	Maintenance	100	-	-0.01	-0.17	-0.64
York, PA	Ozone	Maintenance	100	-	-0.02	-1.50	-6.00
York, PA	PM _{2.5}	Nonattainment	100	-	-0.01	-1.15	-4.61
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-0.03	-1.76	-6.99
Yuma, AZ	PM ₁₀	Moderate	100	-	-0.00	-0.67	-2.72

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

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

c/ Emissions thresholds in tons/year of: VOC or NO_x in ozone NAAs; primary PM_{2.5} in PM_{2.5} NAAs. Source: 40 CFR 51.853. These thresholds

Table B1-32
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Benzene 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks

are provided for information only; a general conformity determination is not required for the proposed actions.
 Source: EPA, 2008.

Table B1-33
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Butadiene 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.01	0.02	0.03
Albuquerque, NM	CO	Maintenance	100	-	0.01	0.01	0.01
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.01	0.01	0.01
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Anchorage, AK	CO	Maintenance	100	-	0.00	0.00	0.00
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	0.06	0.08	0.16
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.06	0.08	0.16
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Bakersfield, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.00
Baltimore, MD	Ozone	Moderate	50	-	0.03	0.04	0.07
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.03	0.04	0.07
Baton Rouge, LA	Ozone	Moderate	50	-	-0.02	-0.02	-0.05
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.07	-0.11	-0.22
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.00	0.00
Billings, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Birmingham, AL	Ozone	Maintenance	100	-	0.01	0.01	0.03
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.03
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.00	0.00	0.01
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Boston, MA	CO	Maintenance	100	-	0.01	0.01	0.02
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.05	0.06	0.12
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.01	0.01	0.02
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.01	0.01	0.03
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.00

Table B1-33
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Butadiene 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.00	0.00	0.01
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.00	0.00	0.01
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Charlotte, NC	CO	Maintenance	100	-	0.01	0.01	0.02
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.01	0.02	0.04
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.01
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.01
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.06	0.08	0.17
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.07	0.09	0.17
Chico, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Chico, CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.02	0.02	0.05
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.02	0.02	0.05
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.01	0.02	0.04
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.00	0.00	0.01
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Cleveland, OH	CO	Maintenance	100	-	0.01	0.01	0.02
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.02	0.03	0.06
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.06
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.01	0.01	0.01
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Colorado Springs, CO	CO	Maintenance	100	-	0.01	0.01	0.01
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.01	0.01	0.02
Columbus, OH	Ozone	Maintenance	100	-	0.02	0.02	0.04
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.04
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.01	0.01	0.02
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.01	0.01	0.02
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.06	0.08	0.17
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.01	0.01	0.02

Table B1-33
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Butadiene 2021

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

Table B1-33
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Butadiene 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Grand Rapids, MI	Ozone	Maintenance	100	-	0.01	0.01	0.02
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	0.02	0.02	0.04
Greeley, CO	CO	Maintenance	100	-	0.00	0.00	0.00
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.01	0.02	0.04
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.02
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.01	0.01	0.02
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.00	0.00
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.01	0.01	0.02
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.02
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.01	0.01	0.03
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.11	-0.16	-0.33
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.00	0.00	0.00
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Imperial County, CA	Ozone	Moderate	50	-	0.00	0.00	0.01
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.01
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.02	0.02	0.05
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.04
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00

Table B1-33
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Butadiene 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.00	0.00
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.00	0.01	0.01
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.02	0.02	0.04
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.00	0.00
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.00
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.01	0.01	0.03
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.02
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.00
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.00	0.01	0.01
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.01
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.00	0.01	0.01
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Las Vegas, NV	CO	Serious	100	-	0.01	0.02	0.04
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.01	0.02	0.04
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00

Table B1-33
Emission Changes a by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Butadiene 2021

Nonattainment Area	Pollutant	Status <u>b</u> /	General Conformity Threshold <u>c</u> /	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Lima, OH	Ozone	Maintenance	100	-	0.00	0.00	0.00
Longmont, CO	CO	Maintenance	100	-	0.00	0.00	0.00
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.14	0.18	0.36
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	0.14	0.18	0.36
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.14	0.18	0.36
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.14	0.18	0.36
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.14	0.18	0.36
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.01	0.01	0.02
Louisville, KY-IN	Ozone	Maintenance	100	-	0.01	0.01	0.03
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.03
Lowell, MA	CO	Maintenance	100	-	0.00	0.00	0.00
Lucas County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Macon, GA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.00	0.00	0.01
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Manchester, NH	CO	Maintenance	100	-	0.00	0.00	0.00
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Marion County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Medford, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Memphis, TN-AR	Ozone	Maintenance	100	-	0.01	0.01	0.02
Memphis, TN	CO	Maintenance	100	-	0.01	0.01	0.02
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.00	0.01	0.01
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.02	0.02	0.04
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.02	0.03	0.06
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.03	0.03	0.07
Missoula, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Modesto, CA	CO	Maintenance	100	-	0.00	0.00	0.01

Table B1-33
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Butadiene 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	0.00
Nashville, TN	Ozone	Former Subpart 1	50	-	0.01	0.02	0.04
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.01	0.01	0.02
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.07	0.10	0.19
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.14	0.18	0.36
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.14	0.18	0.36
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.01	0.02	0.04
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	0.00
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Phildelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.02
Phildelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.03	0.04	0.08

Table B1-33
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Butadiene 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Phoenix, AZ	CO	Maintenance	100	-	0.04	0.05	0.11
Phoenix, AZ	PM ₁₀	Serious	70	-	0.04	0.06	0.11
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.04	0.06	0.11
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.00
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.02	0.02	0.05
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.02	0.05
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.01	0.01	0.01
Portland, OR	CO	Maintenance	100	-	0.01	0.01	0.03
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Poughkeepsie, NY	Ozone	Moderate	50	-	0.01	0.02	0.03
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.01	0.01	0.02
Provo, UT	CO	Maintenance	100	-	0.00	0.00	0.00
Raleigh-Durham, NC	CO	Maintenance	100	-	0.01	0.02	0.03
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.02	0.02	0.04
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Reno, NV	CO	Maintenance	100	-	0.00	0.00	0.01
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.01	0.01	0.03
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.01	0.01	0.01
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Rochester, NY	Ozone	Former Subpart 1	50	-	0.01	0.02	0.03
Rocky Mount, NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.01	0.02	0.03
Sacramento Metro, CA	Ozone	Severe	25	-	0.02	0.03	0.06
Sacramento, CA	CO	Maintenance	100	-	0.01	0.02	0.04
Salem, OR	CO	Maintenance	100	-	0.00	0.00	0.00

Table B1-33
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Butadiene 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Salt Lake City, UT	CO	Maintenance	100	-	0.00	0.00	0.00
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.01	0.01	0.02
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.01	0.01	0.02
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.02	0.02	0.04
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
San Diego, CA	CO	Maintenance	100	-	0.04	0.05	0.10
San Diego, CA	Ozone	Former Subpart 1	50	-	0.04	0.05	0.10
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.02	0.02	0.05
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.03	0.03	0.07
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.04	0.05	0.10
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.04	0.05	0.10
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.04	0.05	0.10
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.01	0.01	0.02
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.03	0.03	0.07
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.00	0.00
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.00	0.01	0.01
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Spokane, WA	CO	Maintenance	100	-	0.00	0.00	0.01
Springfield (western MA), MA	Ozone	Moderate	50	-	0.01	0.01	0.02
Springfield, MA	CO	Maintenance	100	-	0.00	0.00	0.00
St Louis, MO	CO	Maintenance	100	-	0.01	0.01	0.02
St Louis, MO-IL	Ozone	Moderate	50	-	0.03	0.04	0.07
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.03	0.04	0.07
State College, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Steubenville & Mingo Juction, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.00	0.00
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Stockton, CA	CO	Maintenance	100	-	0.00	0.01	0.01
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.00	0.01	0.01
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00

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Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Butadiene 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Toledo, OH	Ozone	Maintenance	100	-	0.01	0.01	0.01
Toms River, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Trenton, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.01	0.01	0.02
Utah County, UT	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
Vancouver, WA	CO	Maintenance	100	-	0.00	0.00	0.01
Ventura County, CA	Ozone	Serious	50	-	0.01	0.01	0.02
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	0.00
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Washington, DC-MD-VA	CO	Maintenance	100	-	0.01	0.02	0.04
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.05	0.06	0.13
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.05	0.06	0.13
Washoe County, NV	PM ₁₀	Serious	70	-	0.00	0.00	0.01
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Winston-Salem, NC	CO	Maintenance	100	-	0.00	0.00	0.01
Worcester, MA	CO	Maintenance	100	-	0.00	0.00	0.01
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	0.00
York, PA	Ozone	Maintenance	100	-	0.00	0.01	0.01
York, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.01	0.01	0.02
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00

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

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

c/ Emissions thresholds in tons/year of: VOC or NO_x in ozone NAAs; primary PM_{2.5} in PM_{2.5} NAAs. Source: 40 CFR 51.853. These thresholds

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Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Butadiene 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks

are provided for information only; a general conformity determination is not required for the proposed actions.
 Source: EPA, 2008.

Table B1-34
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Butadiene 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.04	0.05	-0.03
Albuquerque, NM	CO	Maintenance	100	-	0.02	0.02	-0.01
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.01	-0.00
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.02	0.02	-0.01
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.00
Anchorage, AK	CO	Maintenance	100	-	0.00	0.01	-0.00
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Atlanta, GA	Ozone	Moderate	50	-	0.20	0.24	-0.14
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.20	0.24	-0.14
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Bakersfield, CA	CO	Maintenance	100	-	0.01	0.01	-0.02
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	-0.00
Baltimore, MD	Ozone	Moderate	50	-	0.09	0.11	-0.06
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.09	0.11	-0.06
Baton Rouge, LA	Ozone	Moderate	50	-	-0.03	-0.06	-0.17
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.18	-0.29	-0.53
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.00
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.01	-0.00
Billings, MT	CO	Maintenance	100	-	0.00	0.00	-0.00
Birmingham, AL	Ozone	Maintenance	100	-	0.03	0.04	-0.02
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.03	0.04	-0.02
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.01	0.01	-0.01
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.01
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Boston, MA	CO	Maintenance	100	-	0.03	0.03	-0.02
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.15	0.19	-0.11
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.02	0.02	-0.01
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.03	0.04	-0.02
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.01	0.01	-0.01
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.01
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Charleston, WV	Ozone	Maintenance	100	-	0.01	0.01	-0.01
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.01
Charlotte, NC	CO	Maintenance	100	-	0.02	0.03	-0.02
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.05	0.06	-0.03
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.02	0.02	-0.01
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.02	0.02	-0.01
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.21	0.25	-0.15
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.22	0.26	-0.16
Chico, CA	CO	Maintenance	100	-	0.00	0.00	-0.00
Chico, CA	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.01
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.06	0.07	-0.04
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.06	0.07	-0.04
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.05	0.05	-0.03
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.01	0.01	-0.01
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.00
Cleveland, OH	CO	Maintenance	100	-	0.03	0.03	-0.02
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.08	0.09	-0.05
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.07	0.09	-0.05
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.02	0.02	-0.01
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Colorado Springs, CO	CO	Maintenance	100	-	0.02	0.02	-0.01
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.02	0.02	-0.01
Columbus, OH	Ozone	Maintenance	100	-	0.05	0.06	-0.04
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.05	0.06	-0.03
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.03	0.03	-0.02
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.02	0.03	-0.02
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.21	0.25	-0.15
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.03	0.03	-0.02

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.02	0.03	-0.02
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.09	0.11	-0.06
Denver-Boulder, CO	CO	Maintenance	100	-	0.09	0.10	-0.06
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.11	0.13	-0.08
Detroit, MI	CO	Maintenance	100	-	0.05	0.06	-0.03
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.14	0.17	-0.10
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.14	0.16	-0.10
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Duluth, MN	CO	Maintenance	100	-	0.00	0.00	-0.00
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.00
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.01	0.02	-0.01
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	-0.00
Erie, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.00
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.01	0.01	-0.00
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.01	0.01	-0.00
Evansville, IN	Ozone	Maintenance	100	-	0.01	0.01	-0.01
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.01
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	-0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.01
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Flint, MI	Ozone	Maintenance	100	-	0.02	0.02	-0.01
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	0.01	0.01	-0.00
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.01	0.01	-0.01
Franklin County, PA	Ozone	Maintenance	100	-	0.00	0.01	-0.00
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Fredericksburg, VA	Ozone	Maintenance	100	-	0.01	0.02	-0.01
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Fresno, CA	CO	Maintenance	100	-	0.02	0.02	-0.01

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Grand Rapids, MI	Ozone	Maintenance	100	-	0.02	0.03	-0.02
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	-0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	0.05	0.06	-0.03
Greeley, CO	CO	Maintenance	100	-	0.00	0.00	-0.00
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.05	0.06	-0.03
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.02	0.03	-0.02
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.03	0.03	-0.02
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.03	0.03	-0.02
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.03	-0.02
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.03	0.04	-0.02
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.00
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.01
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.23	-0.41	-1.18
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.01
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.00	0.01	-0.00
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Imperial County, CA	Ozone	Moderate	50	-	0.01	0.01	-0.00
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.01	0.01	-0.00
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.06	0.07	-0.04
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.05	0.06	-0.03
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.01	-0.00

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.00	-0.00
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.00
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.02	0.02	-0.01
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.05	0.06	-0.04
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.01	-0.00
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	-0.00
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	-0.00
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.04	0.04	-0.03
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.03	0.03	-0.02
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lake County, IN	SO _x	Maintenance	100	-	0.01	0.01	-0.01
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	-0.00
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	-0.00
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	-0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.01	0.02	-0.01
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	-0.01
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.01	0.02	-0.01
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Las Vegas, NV	CO	Serious	100	-	0.05	0.05	-0.03
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.05	0.06	-0.03
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Lima, OH	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Longmont, CO	CO	Maintenance	100	-	0.00	0.00	-0.00
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.46	0.55	-0.33
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	0.46	0.55	-0.33
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.46	0.55	-0.33
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.46	0.55	-0.33
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.46	0.55	-0.33
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.02	0.03	-0.01
Louisville, KY-IN	Ozone	Maintenance	100	-	0.03	0.04	-0.02
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.03	0.04	-0.02
Lowell, MA	CO	Maintenance	100	-	0.00	0.00	-0.00
Lucas County, OH	SO _x	Maintenance	100	-	0.01	0.01	-0.01
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Macon, GA	Ozone	Maintenance	100	-	0.01	0.01	-0.00
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.00
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Madison, WI	SO _x	Maintenance	100	-	0.01	0.01	-0.01
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Manchester, NH	CO	Maintenance	100	-	0.00	0.00	-0.00
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Marion County, IN	SO _x	Maintenance	100	-	0.01	0.01	-0.01
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.01
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Medford, OR	CO	Maintenance	100	-	0.00	0.00	-0.00
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.00
Memphis, TN-AR	Ozone	Maintenance	100	-	0.03	0.04	-0.02
Memphis, TN	CO	Maintenance	100	-	0.03	0.03	-0.02
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.02	0.02	-0.01
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.05	0.06	-0.04
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.08	0.09	-0.09
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.08	0.10	-0.06
Missoula, MT	CO	Maintenance	100	-	0.00	0.00	-0.00
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Modesto, CA	CO	Maintenance	100	-	0.01	0.01	-0.01

Table B1-34
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Butadiene 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	-0.00
Nashville, TN	Ozone	Former Subpart 1	50	-	0.05	0.06	-0.04
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	-0.00
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.00
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.02	0.03	-0.02
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.01	0.02	-0.01
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.24	0.28	-0.17
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.45	0.54	-0.31
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.45	0.53	-0.31
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.05	0.06	-0.03
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	-0.00
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.01	-0.00
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	-0.00
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.01	0.01	-0.01
Phildelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.06	0.05	-0.29
Phildelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.13	0.12	-0.33

Table B1-34
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Butadiene 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Phoenix, AZ	CO	Maintenance	100	-	0.14	0.17	-0.10
Phoenix, AZ	PM ₁₀	Serious	70	-	0.15	0.18	-0.10
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.15	0.18	-0.10
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	-0.00
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.06	0.07	-0.04
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.06	0.07	-0.04
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Portland, ME	Ozone	Maintenance	100	-	0.02	0.02	-0.01
Portland, OR	CO	Maintenance	100	-	0.03	0.04	-0.03
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Poughkeepsie, NY	Ozone	Moderate	50	-	0.04	0.05	-0.03
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.03	0.04	-0.02
Provo, UT	CO	Maintenance	100	-	0.00	0.01	-0.00
Raleigh-Durham, NC	CO	Maintenance	100	-	0.04	0.05	-0.03
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.05	0.06	-0.04
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Reading, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.01
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.01
Reno, NV	CO	Maintenance	100	-	0.01	0.01	-0.01
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.04	0.04	-0.03
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.02	0.02	-0.01
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.01
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Rochester, NY	Ozone	Former Subpart 1	50	-	0.04	0.05	-0.03
Rocky Mount, NC	Ozone	Maintenance	100	-	0.01	0.01	-0.00
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.05	0.05	-0.03
Sacramento Metro, CA	Ozone	Severe	25	-	0.08	0.10	-0.06
Sacramento, CA	CO	Maintenance	100	-	0.05	0.06	-0.04
Salem, OR	CO	Maintenance	100	-	0.00	0.00	-0.00

Table B1-34
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Butadiene 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Salt Lake City, UT	CO	Maintenance	100	-	0.01	0.01	-0.01
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.03	0.04	-0.02
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.03	0.04	-0.02
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.06	0.07	-0.04
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.01	0.02	-0.01
San Diego, CA	CO	Maintenance	100	-	0.13	0.15	-0.09
San Diego, CA	Ozone	Former Subpart 1	50	-	0.13	0.15	-0.09
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.10	0.09	-0.38
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.13	0.12	-0.40
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.14	0.16	-0.10
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.14	0.16	-0.10
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.14	0.16	-0.10
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.02	0.02	-0.01
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.09	0.10	-0.07
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.00	-0.00
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.01	0.02	-0.01
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.00
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.01
Spokane, WA	CO	Maintenance	100	-	0.01	0.01	-0.01
Springfield (western MA), MA	Ozone	Moderate	50	-	0.03	0.03	-0.02
Springfield, MA	CO	Maintenance	100	-	0.00	0.01	-0.00
St Louis, MO	CO	Maintenance	100	-	0.03	0.03	-0.02
St Louis, MO-IL	Ozone	Moderate	50	-	0.09	0.11	-0.06
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.09	0.11	-0.06
State College, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.00
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Steubenville & Mingo Juction, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Stockton, CA	CO	Maintenance	100	-	0.01	0.02	-0.01
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.02	0.02	-0.01
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.00	-0.00

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Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Butadiene 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Toledo, OH	Ozone	Maintenance	100	-	0.02	0.02	-0.01
Toms River, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Trenton, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Tucson, AZ	CO	Maintenance	100	-	0.03	0.04	-0.02
Utah County, UT	PM ₁₀	Moderate	100	-	0.01	0.02	-0.01
Vancouver, WA	CO	Maintenance	100	-	0.01	0.01	-0.01
Ventura County, CA	Ozone	Serious	50	-	0.03	0.03	-0.02
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	-0.00
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.00
Washington, DC-MD-VA	CO	Maintenance	100	-	0.05	0.06	-0.03
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.16	0.20	-0.11
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.16	0.19	-0.11
Washoe County, NV	PM ₁₀	Serious	70	-	0.01	0.01	-0.01
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.01	-0.00
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	-0.00
Winston-Salem, NC	CO	Maintenance	100	-	0.01	0.01	-0.01
Worcester, MA	CO	Maintenance	100	-	0.01	0.01	-0.00
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	-0.00
York, PA	Ozone	Maintenance	100	-	0.01	0.02	-0.01
York, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.01
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.02	0.02	-0.01
Yuma, AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.00

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

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

c/ Emissions thresholds in tons/year of: VOC or NO_x in ozone NAAs; primary PM_{2.5} in PM_{2.5} NAAs. Source: 40 CFR 51.853. These thresholds

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Butadiene 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks

are provided for information only; a general conformity determination is not required for the proposed actions.
 Source: EPA, 2008.

Table B1-35
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Butadiene 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	-0.00	-0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.13	-0.04	-1.08
Albuquerque, NM	CO	Maintenance	100	-	0.06	-0.02	-0.49
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.02	-0.01	-0.13
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.06	-0.02	-0.50
Altoona, PA	Ozone	Maintenance	100	-	0.01	-0.00	-0.08
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.02	-0.01	-0.17
Anchorage, AK	CO	Maintenance	100	-	0.02	-0.00	-0.13
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	-0.00	-0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.01
Atlanta, GA	Ozone	Moderate	50	-	0.71	-0.23	-5.88
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.71	-0.23	-5.88
Atlantic City, NJ	CO	Maintenance	100	-	0.00	-0.00	-0.04
Bakersfield, CA	CO	Maintenance	100	-	0.04	-0.02	-0.41
Baltimore, MD	CO	Maintenance	100	-	0.00	-0.00	-0.01
Baltimore, MD	Ozone	Moderate	50	-	0.31	-0.10	-2.57
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.31	-0.10	-2.57
Baton Rouge, LA	Ozone	Moderate	50	-	-0.04	-0.22	-0.93
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.34	-0.70	-1.48
Benton County, TN	SO _x	Maintenance	100	-	0.00	-0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.02	-0.01	-0.14
Benzie County, MI	Ozone	Maintenance	100	-	0.00	-0.00	-0.02
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.02	-0.00	-0.13
Billings, MT	CO	Maintenance	100	-	0.01	-0.00	-0.06
Birmingham, AL	Ozone	Maintenance	100	-	0.10	-0.03	-0.82
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.10	-0.03	-0.82
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.03	-0.01	-0.28
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.03	-0.01	-0.28
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.02
Boston, MA	CO	Maintenance	100	-	0.08	-0.03	-0.70
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.51	-0.17	-4.28
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.07	-0.02	-0.56
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	-0.00	-0.01
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.11	-0.04	-0.94
Burlington, NJ	CO	Maintenance	100	-	0.00	-0.00	-0.01

Table B1-35
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Butadiene 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Butte, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.02
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.02
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.03	-0.01	-0.23
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.03	-0.01	-0.23
Case County, MI	Ozone	Maintenance	100	-	0.00	-0.00	-0.04
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	-0.00	-0.00
Charleston, WV	Ozone	Maintenance	100	-	0.03	-0.01	-0.21
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.03	-0.01	-0.21
Charlotte, NC	CO	Maintenance	100	-	0.08	-0.03	-0.65
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.17	-0.06	-1.44
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.05	-0.02	-0.44
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.05	-0.02	-0.41
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.72	-0.24	-6.05
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.75	-0.25	-6.25
Chico, CA	CO	Maintenance	100	-	0.01	-0.00	-0.11
Chico, CA	Ozone	Former Subpart 1	50	-	0.03	-0.01	-0.24
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.20	-0.06	-1.65
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.19	-0.06	-1.60
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.01
Clark County, NV	PM ₁₀	Serious	70	-	0.17	-0.05	-1.39
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.03	-0.01	-0.23
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.02	-0.01	-0.15
Cleveland, OH	CO	Maintenance	100	-	0.09	-0.03	-0.71
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.25	-0.08	-2.08
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.23	-0.07	-1.91
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.07	-0.02	-0.62
Colbert County, AL	SO _x	Maintenance	100	-	0.01	-0.00	-0.04
Colorado Springs, CO	CO	Maintenance	100	-	0.06	-0.02	-0.53
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
Columbia, SC	Ozone	Former Subpart 1	50	-	0.07	-0.02	-0.54
Columbus, OH	Ozone	Maintenance	100	-	0.18	-0.06	-1.49
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.17	-0.05	-1.38
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	-0.00	-0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.09	-0.03	-0.71
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.07	-0.02	-0.59
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.75	-0.24	-6.28
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.08	-0.03	-0.66

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.07	-0.02	-0.58
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.32	-0.10	-2.65
Denver-Boulder, CO	CO	Maintenance	100	-	0.30	-0.10	-2.54
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.38	-0.12	-3.20
Detroit, MI	CO	Maintenance	100	-	0.14	-0.05	-1.20
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.46	-0.15	-3.84
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.45	-0.15	-3.77
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	-0.00	-0.03
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.03
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	-0.00	-0.02
Duluth, MN	CO	Maintenance	100	-	0.01	-0.00	-0.06
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
East Chicago, IN	CO	Maintenance	100	-	0.00	-0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.02	-0.01	-0.16
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	-0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.05	-0.02	-0.42
El Paso, TX	CO	Maintenance	100	-	0.00	-0.00	-0.03
Erie, PA	Ozone	Maintenance	100	-	0.02	-0.01	-0.18
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	-0.00	-0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.02	-0.01	-0.20
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.02	-0.01	-0.19
Evansville, IN	Ozone	Maintenance	100	-	0.02	-0.01	-0.21
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.03	-0.01	-0.27
Fairbanks, AK	CO	Maintenance	100	-	0.00	-0.00	-0.02
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.03	-0.01	-0.25
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
Flint, MI	Ozone	Maintenance	100	-	0.05	-0.02	-0.42
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	0.02	-0.01	-0.16
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.04	-0.01	-0.30
Franklin County, PA	Ozone	Maintenance	100	-	0.02	-0.01	-0.13
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.01	-0.00	-0.11
Fredericksburg, VA	Ozone	Maintenance	100	-	0.05	-0.01	-0.38
Freehold, NJ	CO	Maintenance	100	-	0.00	-0.00	-0.02
Fresno, CA	CO	Maintenance	100	-	0.06	-0.02	-0.53

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Grand Rapids, MI	Ozone	Maintenance	100	-	0.08	-0.03	-0.71
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.03
Grant County, NM	SO _x	Maintenance	100	-	0.00	-0.00	-0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	-0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.03
Great Falls, MT	CO	Maintenance	100	-	0.00	-0.00	-0.01
Greater Connecticut, CT	Ozone	Moderate	50	-	0.16	-0.05	-1.33
Greeley, CO	CO	Maintenance	100	-	0.01	-0.00	-0.11
Green Bay, WI	SO _x	Maintenance	100	-	0.01	-0.00	-0.10
Greene County, IN	Ozone	Maintenance	100	-	0.00	-0.00	-0.04
Greene County, PA	Ozone	Maintenance	100	-	0.00	-0.00	-0.04
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.16	-0.05	-1.33
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.08	-0.03	-0.65
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.09	-0.03	-0.72
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	-0.00	-0.02
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.01	-0.00	-0.10
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.09	-0.03	-0.74
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.08	-0.03	-0.68
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.10	-0.03	-0.85
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	-0.00	-0.01
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.04
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	-0.00	-0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	-0.00	-0.03
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.02	-0.01	-0.14
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.03	-0.01	-0.24
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	-0.00	-0.00
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.18	-1.58	-7.21
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	-0.00	-0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.03	-0.01	-0.24
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.01	-0.01	-0.13
Huron County, MI	Ozone	Maintenance	100	-	0.00	-0.00	-0.02
Imperial County, CA	Ozone	Moderate	50	-	0.02	-0.01	-0.20
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.02	-0.01	-0.20
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.03
Indianapolis, IN	CO	Maintenance	100	-	0.00	-0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.21	-0.07	-1.72
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.16	-0.05	-1.37
Jackson County, IN	Ozone	Maintenance	100	-	0.01	-0.00	-0.06
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.02	-0.00	-0.13

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Jefferson County, NY	Ozone	Moderate	50	-	0.01	-0.00	-0.10
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.01
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.02	-0.01	-0.17
Johnstown, PA	Ozone	Maintenance	100	-	0.01	-0.00	-0.07
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.01	-0.00	-0.08
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.05	-0.02	-0.41
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.03
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.17	-0.06	-1.44
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.01	-0.00	-0.12
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.02
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.01	-0.00	-0.07
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	-0.00	-0.02
King County, WA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.01
Klamath Falls, OR	CO	Maintenance	100	-	0.00	-0.00	-0.04
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.04
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.13	-0.04	-1.06
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.10	-0.03	-0.81
La Porte County, IN	SO _x	Maintenance	100	-	0.00	-0.00	-0.03
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.01
Lake County, IN	SO _x	Maintenance	100	-	0.03	-0.01	-0.24
Lake County, OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.03
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	-0.00	-0.03
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.01	-0.00	-0.07
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	-0.00	-0.02
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.01
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.05	-0.01	-0.38
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.05	-0.01	-0.38
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.05	-0.02	-0.40
LaPorte, IN	Ozone	Maintenance	100	-	0.01	-0.00	-0.07
Las Vegas, NV	CO	Serious	100	-	0.17	-0.05	-1.39
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.17	-0.05	-1.41
Lauderdale County, AL	SO _x	Maintenance	100	-	0.01	-0.00	-0.07
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	-0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	-0.00	-0.00

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Nonattainment Area	Pollutant	Status <u>b</u> /	General Conformity Threshold <u>c</u> /	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	-0.00	-0.01
Lima, OH	Ozone	Maintenance	100	-	0.01	-0.00	-0.09
Longmont, CO	CO	Maintenance	100	-	0.01	-0.00	-0.08
Lorain County, OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.04
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	1.60	-0.53	-13.41
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	1.60	-0.53	-13.41
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	1.60	-0.53	-13.41
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	1.60	-0.53	-13.41
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	1.60	-0.53	-13.41
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.07	-0.02	-0.61
Louisville, KY-IN	Ozone	Maintenance	100	-	0.11	-0.04	-0.92
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.11	-0.03	-0.88
Lowell, MA	CO	Maintenance	100	-	0.01	-0.00	-0.10
Lucas County, OH	SO _x	Maintenance	100	-	0.03	-0.01	-0.23
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.01	-0.00	-0.05
Macon, GA	Ozone	Maintenance	100	-	0.02	-0.01	-0.16
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.02	-0.01	-0.16
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	-0.00	-0.00
Madison, WI	SO _x	Maintenance	100	-	0.03	-0.01	-0.22
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
Manchester, NH	CO	Maintenance	100	-	0.01	-0.00	-0.06
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.01	-0.00	-0.08
Marion County, IN	SO _x	Maintenance	100	-	0.03	-0.01	-0.25
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	-0.00	-0.11
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.03	-0.01	-0.27
Mason County, MI	Ozone	Maintenance	100	-	0.00	-0.00	-0.02
Medford, OR	CO	Maintenance	100	-	0.01	-0.00	-0.07
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.02	-0.01	-0.17
Memphis, TN-AR	Ozone	Maintenance	100	-	0.09	-0.03	-0.79
Memphis, TN	CO	Maintenance	100	-	0.09	-0.03	-0.73
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	-0.00	-0.03
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	-0.00	-0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.05	-0.02	-0.42
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.18	-0.06	-1.50
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.28	-0.13	-2.53
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.29	-0.09	-2.40
Missoula, MT	CO	Maintenance	100	-	0.01	-0.00	-0.05
Missoula, MT	PM ₁₀	Moderate	100	-	0.01	-0.00	-0.05
Modesto, CA	CO	Maintenance	100	-	0.04	-0.01	-0.29

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.01	-0.00	-0.10
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	-0.00	-0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	-0.00	-0.03
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	-0.00	-0.02
Muncie, IN	Ozone	Maintenance	100	-	0.01	-0.00	-0.09
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	-0.00	-0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	-0.00	-0.01
Muskegon, MI	Ozone	Maintenance	100	-	0.01	-0.00	-0.11
Nashua, NH	CO	Maintenance	100	-	0.01	-0.00	-0.05
Nashville, TN	Ozone	Former Subpart 1	50	-	0.17	-0.06	-1.43
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.02	-0.01	-0.14
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.02	-0.00	-0.13
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.08	-0.02	-0.63
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	-0.00	-0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.04	-0.01	-0.35
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.77	-0.25	-6.37
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	1.48	-0.48	-12.31
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	1.47	-0.47	-12.20
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.04
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.16	-0.05	-1.29
Ogden, UT	CO	Maintenance	100	-	0.01	-0.00	-0.06
Ogden, UT	PM ₁₀	Moderate	100	-	0.01	-0.00	-0.06
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.02
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.01	-0.00	-0.10
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	-0.00	-0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.01	-0.00	-0.12
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	-0.00	-0.12
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.02
Penns Grove, NJ	CO	Maintenance	100	-	0.00	-0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.01	-0.00	-0.08
Perth Amboy, NJ	CO	Maintenance	100	-	0.01	-0.00	-0.07
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.04	-0.01	-0.30
Phildelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.30	-0.39	-4.05
Phildelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.50	-0.46	-5.78

Table B1-35
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Butadiene 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Phoenix, AZ	CO	Maintenance	100	-	0.57	-0.18	-4.72
Phoenix, AZ	PM ₁₀	Serious	70	-	0.58	-0.19	-4.85
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.58	-0.19	-4.87
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.01
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	-0.00	-0.02
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.19	-0.06	-1.60
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.18	-0.06	-1.46
Polk County, TN	SO _x	Maintenance	100	-	0.00	-0.00	-0.02
Polson, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Portland, ME	Ozone	Maintenance	100	-	0.06	-0.02	-0.47
Portland, OR	CO	Maintenance	100	-	0.11	-0.04	-0.96
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.04
Poughkeepsie, NY	Ozone	Moderate	50	-	0.15	-0.05	-1.24
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.01
Providence (entire State), RI	Ozone	Moderate	50	-	0.10	-0.03	-0.84
Provo, UT	CO	Maintenance	100	-	0.02	-0.01	-0.15
Raleigh-Durham, NC	CO	Maintenance	100	-	0.14	-0.05	-1.16
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.19	-0.06	-1.58
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Reading, PA	Ozone	Maintenance	100	-	0.03	-0.01	-0.27
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.03	-0.01	-0.27
Reno, NV	CO	Maintenance	100	-	0.02	-0.01	-0.20
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	-0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.12	-0.04	-1.01
Rillito, AZ	PM ₁₀	Moderate	100	-	0.01	-0.00	-0.05
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.07	-0.02	-0.62
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.03	-0.01	-0.21
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.01	-0.00	-0.07
Rochester, NY	Ozone	Former Subpart 1	50	-	0.13	-0.04	-1.10
Rocky Mount, NC	Ozone	Maintenance	100	-	0.02	-0.01	-0.15
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.01	-0.00	-0.10
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	-0.00	-0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.17	-0.06	-1.42
Sacramento Metro, CA	Ozone	Severe	25	-	0.31	-0.10	-2.60
Sacramento, CA	CO	Maintenance	100	-	0.19	-0.06	-1.59
Salem, OR	CO	Maintenance	100	-	0.01	-0.00	-0.11

Table B1-35
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Butadiene 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Salt Lake City, UT	CO	Maintenance	100	-	0.02	-0.01	-0.19
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.10	-0.04	-0.88
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.11	-0.03	-0.88
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.19	-0.06	-1.61
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.05	-0.01	-0.38
San Diego, CA	CO	Maintenance	100	-	0.46	-0.15	-3.85
San Diego, CA	Ozone	Former Subpart 1	50	-	0.46	-0.15	-3.85
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.51	-0.54	-6.23
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.60	-0.57	-6.95
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.51	-0.17	-4.28
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.51	-0.18	-4.29
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.51	-0.17	-4.28
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	-0.00	-0.03
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.07	-0.02	-0.55
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.31	-0.11	-2.62
Sheboygan, WI	Ozone	Moderate	50	-	0.01	-0.00	-0.10
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.02
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	-0.00	-0.01
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.04	-0.01	-0.37
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.01	-0.00	-0.12
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.03	-0.01	-0.26
Spokane, WA	CO	Maintenance	100	-	0.03	-0.01	-0.25
Springfield (western MA), MA	Ozone	Moderate	50	-	0.09	-0.03	-0.73
Springfield, MA	CO	Maintenance	100	-	0.01	-0.00	-0.12
St Louis, MO	CO	Maintenance	100	-	0.08	-0.03	-0.68
St Louis, MO-IL	Ozone	Moderate	50	-	0.28	-0.09	-2.36
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.28	-0.09	-2.34
State College, PA	Ozone	Maintenance	100	-	0.02	-0.01	-0.15
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.02
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.03
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.01	-0.00	-0.07
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.01	-0.00	-0.07
Stockton, CA	CO	Maintenance	100	-	0.05	-0.02	-0.44
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.05	-0.02	-0.41
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.01	-0.00	-0.10

Table B1-35
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Butadiene 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Tioga County, PA	Ozone	Maintenance	100	-	0.01	-0.00	-0.04
Toledo, OH	Ozone	Maintenance	100	-	0.05	-0.02	-0.44
Toms River, NJ	CO	Maintenance	100	-	0.01	-0.00	-0.09
Tooele County, UT	SO _x	Nonattainment	100	-	0.01	-0.00	-0.09
Trenton, NJ	CO	Maintenance	100	-	0.01	-0.00	-0.07
Trona, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Tucson, AZ	CO	Maintenance	100	-	0.11	-0.03	-0.88
Utah County, UT	PM ₁₀	Moderate	100	-	0.05	-0.02	-0.43
Vancouver, WA	CO	Maintenance	100	-	0.03	-0.01	-0.29
Ventura County, CA	Ozone	Serious	50	-	0.09	-0.03	-0.78
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.01
Vigo County, IN	SO _x	Maintenance	100	-	0.01	-0.00	-0.10
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.01	-0.00	-0.05
Warren County, NJ	SO _x	Maintenance	100	-	0.00	-0.00	-0.03
Warren County, PA	SO _x	Nonattainment	100	-	0.00	-0.00	-0.01
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.02	-0.01	-0.17
Washington, DC-MD-VA	CO	Maintenance	100	-	0.16	-0.05	-1.32
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.57	-0.18	-4.74
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.56	-0.18	-4.63
Washoe County, NV	PM ₁₀	Serious	70	-	0.02	-0.01	-0.20
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.01	-0.00	-0.05
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.01	-0.00	-0.07
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.01
Weirton, WV	SO _x	Maintenance	100	-	0.00	-0.00	-0.01
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.01	-0.00	-0.11
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	-0.00	-0.11
Winston-Salem, NC	CO	Maintenance	100	-	0.04	-0.01	-0.34
Worcester, MA	CO	Maintenance	100	-	0.02	-0.01	-0.19
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.01	-0.00	-0.08
Yakima, WA	CO	Maintenance	100	-	0.00	-0.00	-0.04
York, PA	Ozone	Maintenance	100	-	0.05	-0.01	-0.38
York, PA	PM _{2.5}	Nonattainment	100	-	0.04	-0.01	-0.30
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.06	-0.02	-0.49
Yuma, AZ	PM ₁₀	Moderate	100	-	0.02	-0.01	-0.17

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

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

c/ Emissions thresholds in tons/year of: VOC or NO_x in ozone NAAs; primary PM_{2.5} in PM_{2.5} NAAs. Source: 40 CFR 51.853. These thresholds

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Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Butadiene 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks

are provided for information only; a general conformity determination is not required for the proposed actions.
 Source: EPA, 2008.

Table B1-36
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Butadiene 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	-0.00	-0.01
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.07	-0.22	-1.75
Albuquerque, NM	CO	Maintenance	100	-	0.03	-0.10	-0.79
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.01	-0.03	-0.22
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.03	-0.10	-0.80
Altoona, PA	Ozone	Maintenance	100	-	0.00	-0.02	-0.12
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	-0.04	-0.32
Anchorage, AK	CO	Maintenance	100	-	0.01	-0.03	-0.21
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	-0.00	-0.01
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.01
Atlanta, GA	Ozone	Moderate	50	-	0.40	-1.27	-9.90
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.40	-1.27	-9.90
Atlantic City, NJ	CO	Maintenance	100	-	0.00	-0.01	-0.06
Bakersfield, CA	CO	Maintenance	100	-	0.02	-0.09	-0.68
Baltimore, MD	CO	Maintenance	100	-	0.00	-0.00	-0.01
Baltimore, MD	Ozone	Moderate	50	-	0.17	-0.55	-4.27
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.17	-0.55	-4.27
Baton Rouge, LA	Ozone	Moderate	50	-	-0.03	-0.28	-1.29
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.22	-0.60	-1.60
Benton County, TN	SO _x	Maintenance	100	-	0.00	-0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.01	-0.03	-0.20
Benzie County, MI	Ozone	Maintenance	100	-	0.00	-0.00	-0.04
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.01	-0.03	-0.21
Billings, MT	CO	Maintenance	100	-	0.00	-0.01	-0.10
Birmingham, AL	Ozone	Maintenance	100	-	0.05	-0.16	-1.28
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.05	-0.17	-1.29
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.02	-0.06	-0.48
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.02	-0.06	-0.48
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.03
Boston, MA	CO	Maintenance	100	-	0.05	-0.14	-1.12
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.28	-0.89	-6.95
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.04	-0.12	-0.93
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	-0.00	-0.01
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.06	-0.19	-1.48
Burlington, NJ	CO	Maintenance	100	-	0.00	-0.00	-0.01

Table B1-36
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Butadiene 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Butte, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.02
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.03
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.01	-0.05	-0.36
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.01	-0.05	-0.36
Case County, MI	Ozone	Maintenance	100	-	0.00	-0.01	-0.06
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	-0.00	-0.01
Charleston, WV	Ozone	Maintenance	100	-	0.01	-0.04	-0.32
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.01	-0.04	-0.32
Charlotte, NC	CO	Maintenance	100	-	0.04	-0.14	-1.10
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.10	-0.31	-2.41
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.03	-0.09	-0.70
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.03	-0.08	-0.65
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.40	-1.28	-9.96
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.42	-1.33	-10.30
Chico, CA	CO	Maintenance	100	-	0.01	-0.03	-0.20
Chico, CA	Ozone	Former Subpart 1	50	-	0.02	-0.05	-0.43
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.11	-0.34	-2.68
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.11	-0.33	-2.59
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.01
Clark County, NV	PM ₁₀	Serious	70	-	0.10	-0.31	-2.45
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.02	-0.05	-0.38
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.01	-0.03	-0.23
Cleveland, OH	CO	Maintenance	100	-	0.04	-0.13	-1.04
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.13	-0.42	-3.27
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.12	-0.38	-2.99
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.05	-0.14	-1.12
Colbert County, AL	SO _x	Maintenance	100	-	0.00	-0.01	-0.07
Colorado Springs, CO	CO	Maintenance	100	-	0.04	-0.12	-0.91
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
Columbia, SC	Ozone	Former Subpart 1	50	-	0.04	-0.11	-0.89
Columbus, OH	Ozone	Maintenance	100	-	0.10	-0.32	-2.51
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.10	-0.30	-2.34
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	-0.00	-0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.04	-0.13	-1.04
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.04	-0.12	-0.90
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.44	-1.39	-10.78
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.04	-0.13	-1.02

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Butadiene 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.04	-0.12	-0.90
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.18	-0.58	-4.51
Denver-Boulder, CO	CO	Maintenance	100	-	0.18	-0.55	-4.31
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.22	-0.70	-5.45
Detroit, MI	CO	Maintenance	100	-	0.07	-0.21	-1.62
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.25	-0.79	-6.18
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.25	-0.78	-6.07
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	-0.01	-0.05
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	-0.01	-0.04
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	-0.00	-0.04
Duluth, MN	CO	Maintenance	100	-	0.00	-0.01	-0.10
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
East Chicago, IN	CO	Maintenance	100	-	0.00	-0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.01	-0.03	-0.25
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	-0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.03	-0.09	-0.69
El Paso, TX	CO	Maintenance	100	-	0.00	-0.01	-0.04
Erie, PA	Ozone	Maintenance	100	-	0.01	-0.04	-0.28
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	-0.00	-0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.01	-0.04	-0.33
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.01	-0.04	-0.31
Evansville, IN	Ozone	Maintenance	100	-	0.01	-0.04	-0.33
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.02	-0.05	-0.42
Fairbanks, AK	CO	Maintenance	100	-	0.00	-0.00	-0.03
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.02	-0.05	-0.40
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
Flint, MI	Ozone	Maintenance	100	-	0.03	-0.08	-0.66
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	0.01	-0.04	-0.28
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.02	-0.06	-0.49
Franklin County, PA	Ozone	Maintenance	100	-	0.01	-0.03	-0.21
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.01	-0.02	-0.18
Fredericksburg, VA	Ozone	Maintenance	100	-	0.03	-0.09	-0.67
Freehold, NJ	CO	Maintenance	100	-	0.00	-0.00	-0.03
Fresno, CA	CO	Maintenance	100	-	0.04	-0.11	-0.89

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Grand Rapids, MI	Ozone	Maintenance	100	-	0.05	-0.15	-1.18
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	-0.01	-0.05
Grant County, NM	SO _x	Maintenance	100	-	0.00	-0.00	-0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	-0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	-0.01	-0.05
Great Falls, MT	CO	Maintenance	100	-	0.00	-0.00	-0.02
Greater Connecticut, CT	Ozone	Moderate	50	-	0.09	-0.27	-2.09
Greeley, CO	CO	Maintenance	100	-	0.01	-0.02	-0.18
Green Bay, WI	SO _x	Maintenance	100	-	0.01	-0.02	-0.17
Greene County, IN	Ozone	Maintenance	100	-	0.00	-0.01	-0.06
Greene County, PA	Ozone	Maintenance	100	-	0.00	-0.01	-0.06
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.09	-0.27	-2.12
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.04	-0.13	-1.03
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.05	-0.14	-1.12
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	-0.00	-0.03
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.01	-0.02	-0.16
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.05	-0.16	-1.23
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.05	-0.15	-1.13
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.05	-0.17	-1.32
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	-0.00	-0.02
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	-0.01	-0.06
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	-0.00	-0.01
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	-0.01	-0.05
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.01	-0.03	-0.22
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.01	-0.05	-0.37
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	-0.00	-0.00
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.13	-2.08	-10.21
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	-0.00	-0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.01	-0.05	-0.37
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.01	-0.02	-0.19
Huron County, MI	Ozone	Maintenance	100	-	0.00	-0.00	-0.03
Imperial County, CA	Ozone	Moderate	50	-	0.01	-0.05	-0.35
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.01	-0.04	-0.35
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	-0.01	-0.04
Indianapolis, IN	CO	Maintenance	100	-	0.00	-0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.12	-0.37	-2.85
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.09	-0.29	-2.27
Jackson County, IN	Ozone	Maintenance	100	-	0.00	-0.01	-0.10
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.01	-0.03	-0.20

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Jefferson County, NY	Ozone	Moderate	50	-	0.01	-0.02	-0.16
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.01
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.01	-0.03	-0.27
Johnstown, PA	Ozone	Maintenance	100	-	0.00	-0.01	-0.10
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	-0.01	-0.11
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.02
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.03	-0.08	-0.65
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	-0.01	-0.05
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.10	-0.31	-2.39
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.01	-0.03	-0.21
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	-0.01	-0.04
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	-0.01	-0.11
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	-0.00	-0.03
King County, WA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.02
Klamath Falls, OR	CO	Maintenance	100	-	0.00	-0.01	-0.06
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	-0.01	-0.06
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.07	-0.23	-1.80
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.06	-0.17	-1.36
La Porte County, IN	SO _x	Maintenance	100	-	0.00	-0.01	-0.04
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.02
Lake County, IN	SO _x	Maintenance	100	-	0.01	-0.05	-0.36
Lake County, OH	SO _x	Maintenance	100	-	0.00	-0.01	-0.05
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.01
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	-0.01	-0.06
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.01	-0.02	-0.13
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	-0.00	-0.03
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.01
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.03	-0.08	-0.62
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.03	-0.08	-0.62
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.03	-0.08	-0.63
LaPorte, IN	Ozone	Maintenance	100	-	0.00	-0.01	-0.11
Las Vegas, NV	CO	Serious	100	-	0.10	-0.31	-2.45
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.10	-0.32	-2.47
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	-0.01	-0.11
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	-0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	-0.00	-0.01

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Nonattainment Area	Pollutant	Status <u>b</u> /	General Conformity Threshold <u>c</u> /	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	-0.00	-0.01
Lima, OH	Ozone	Maintenance	100	-	0.01	-0.02	-0.14
Longmont, CO	CO	Maintenance	100	-	0.01	-0.02	-0.15
Lorain County, OH	SO _x	Maintenance	100	-	0.00	-0.01	-0.06
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.91	-2.90	-22.55
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	0.91	-2.90	-22.55
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.91	-2.90	-22.55
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.91	-2.90	-22.55
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.91	-2.90	-22.55
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.04	-0.13	-1.04
Louisville, KY-IN	Ozone	Maintenance	100	-	0.06	-0.19	-1.44
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.06	-0.18	-1.37
Lowell, MA	CO	Maintenance	100	-	0.01	-0.02	-0.17
Lucas County, OH	SO _x	Maintenance	100	-	0.01	-0.05	-0.35
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	-0.01	-0.07
Macon, GA	Ozone	Maintenance	100	-	0.01	-0.03	-0.24
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.01	-0.03	-0.24
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	-0.00	-0.00
Madison, WI	SO _x	Maintenance	100	-	0.02	-0.05	-0.39
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.02
Manchester, NH	CO	Maintenance	100	-	0.00	-0.01	-0.09
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.01	-0.02	-0.13
Marion County, IN	SO _x	Maintenance	100	-	0.02	-0.05	-0.38
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	-0.03	-0.20
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.02	-0.06	-0.43
Mason County, MI	Ozone	Maintenance	100	-	0.00	-0.00	-0.04
Medford, OR	CO	Maintenance	100	-	0.01	-0.02	-0.13
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.01	-0.04	-0.31
Memphis, TN-AR	Ozone	Maintenance	100	-	0.05	-0.16	-1.21
Memphis, TN	CO	Maintenance	100	-	0.04	-0.14	-1.12
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	-0.01	-0.05
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	-0.00	-0.01
Milwaukee, WI	SO _x	Maintenance	100	-	0.03	-0.08	-0.65
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.10	-0.31	-2.43
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.16	-0.55	-4.14
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.16	-0.51	-3.97
Missoula, MT	CO	Maintenance	100	-	0.00	-0.01	-0.09
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	-0.01	-0.08
Modesto, CA	CO	Maintenance	100	-	0.02	-0.07	-0.51

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.01	-0.02	-0.18
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	-0.00	-0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	-0.01	-0.05
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	-0.00	-0.03
Muncie, IN	Ozone	Maintenance	100	-	0.01	-0.02	-0.12
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	-0.00	-0.01
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	-0.00	-0.02
Muskegon, MI	Ozone	Maintenance	100	-	0.01	-0.02	-0.18
Nashua, NH	CO	Maintenance	100	-	0.00	-0.01	-0.07
Nashville, TN	Ozone	Former Subpart 1	50	-	0.10	-0.31	-2.38
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.01	-0.03	-0.27
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.01	-0.03	-0.22
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.04	-0.13	-0.98
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	-0.00	-0.01
New York County, NY	PM ₁₀	Moderate	100	-	0.02	-0.07	-0.53
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.41	-1.30	-10.09
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.80	-2.54	-19.76
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.80	-2.52	-19.58
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	-0.01	-0.06
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.08	-0.27	-2.06
Ogden, UT	CO	Maintenance	100	-	0.00	-0.01	-0.09
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	-0.01	-0.09
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.02
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.01	-0.02	-0.17
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	-0.00	-0.01
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.01	-0.02	-0.18
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	-0.02	-0.18
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.03
Penns Grove, NJ	CO	Maintenance	100	-	0.00	-0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	-0.02	-0.12
Perth Amboy, NJ	CO	Maintenance	100	-	0.01	-0.02	-0.13
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.02	-0.06	-0.44
Phildelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.15	-0.93	-6.14
Phildelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.26	-1.29	-8.93

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Phoenix, AZ	CO	Maintenance	100	-	0.36	-1.12	-8.74
Phoenix, AZ	PM ₁₀	Serious	70	-	0.36	-1.15	-8.96
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.37	-1.15	-8.98
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.01
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	-0.01	-0.04
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.10	-0.32	-2.49
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.09	-0.29	-2.27
Polk County, TN	SO _x	Maintenance	100	-	0.00	-0.00	-0.03
Polson, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Portland, ME	Ozone	Maintenance	100	-	0.03	-0.10	-0.75
Portland, OR	CO	Maintenance	100	-	0.06	-0.20	-1.53
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	-0.01	-0.05
Poughkeepsie, NY	Ozone	Moderate	50	-	0.09	-0.27	-2.14
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.01
Providence (entire State), RI	Ozone	Moderate	50	-	0.06	-0.18	-1.37
Provo, UT	CO	Maintenance	100	-	0.01	-0.03	-0.26
Raleigh-Durham, NC	CO	Maintenance	100	-	0.08	-0.25	-1.98
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.11	-0.34	-2.68
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Reading, PA	Ozone	Maintenance	100	-	0.02	-0.06	-0.44
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.02	-0.06	-0.44
Reno, NV	CO	Maintenance	100	-	0.01	-0.04	-0.33
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	-0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.07	-0.21	-1.62
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	-0.01	-0.08
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.05	-0.14	-1.12
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.01	-0.04	-0.33
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	-0.01	-0.11
Rochester, NY	Ozone	Former Subpart 1	50	-	0.07	-0.23	-1.76
Rocky Mount, NC	Ozone	Maintenance	100	-	0.01	-0.03	-0.23
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.01	-0.02	-0.15
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	-0.00	-0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.10	-0.32	-2.52
Sacramento Metro, CA	Ozone	Severe	25	-	0.19	-0.60	-4.68
Sacramento, CA	CO	Maintenance	100	-	0.12	-0.36	-2.84
Salem, OR	CO	Maintenance	100	-	0.01	-0.02	-0.17

Table B1-36
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Butadiene 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Salt Lake City, UT	CO	Maintenance	100	-	0.01	-0.04	-0.31
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.06	-0.19	-1.45
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.06	-0.19	-1.45
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.11	-0.34	-2.68
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.03	-0.08	-0.63
San Diego, CA	CO	Maintenance	100	-	0.27	-0.87	-6.75
San Diego, CA	Ozone	Former Subpart 1	50	-	0.28	-0.87	-6.76
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.29	-1.49	-10.20
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.33	-1.64	-11.38
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.30	-0.98	-7.56
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.30	-0.98	-7.57
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.30	-0.98	-7.56
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	-0.01	-0.05
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.04	-0.11	-0.88
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.17	-0.57	-4.38
Sheboygan, WI	Ozone	Moderate	50	-	0.01	-0.02	-0.17
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.03
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	-0.00	-0.02
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.02	-0.08	-0.59
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.01	-0.02	-0.16
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.02	-0.06	-0.43
Spokane, WA	CO	Maintenance	100	-	0.02	-0.05	-0.42
Springfield (western MA), MA	Ozone	Moderate	50	-	0.05	-0.15	-1.17
Springfield, MA	CO	Maintenance	100	-	0.01	-0.03	-0.21
St Louis, MO	CO	Maintenance	100	-	0.04	-0.12	-0.97
St Louis, MO-IL	Ozone	Moderate	50	-	0.15	-0.47	-3.65
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.15	-0.47	-3.63
State College, PA	Ozone	Maintenance	100	-	0.01	-0.03	-0.25
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.03
Steubenville & Mingo Juction, OH	SO _x	Maintenance	100	-	0.00	-0.01	-0.05
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	-0.01	-0.11
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.00	-0.01	-0.11
Stockton, CA	CO	Maintenance	100	-	0.03	-0.10	-0.80
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.03	-0.08	-0.64
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.01	-0.02	-0.15

Table B1-36
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Butadiene 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Tioga County, PA	Ozone	Maintenance	100	-	0.00	-0.01	-0.07
Toledo, OH	Ozone	Maintenance	100	-	0.03	-0.09	-0.68
Toms River, NJ	CO	Maintenance	100	-	0.01	-0.02	-0.16
Tooele County, UT	SO _x	Nonattainment	100	-	0.01	-0.02	-0.14
Trenton, NJ	CO	Maintenance	100	-	0.00	-0.02	-0.12
Trona, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
Tucson, AZ	CO	Maintenance	100	-	0.06	-0.19	-1.49
Utah County, UT	PM ₁₀	Moderate	100	-	0.03	-0.09	-0.73
Vancouver, WA	CO	Maintenance	100	-	0.02	-0.06	-0.50
Ventura County, CA	Ozone	Serious	50	-	0.06	-0.18	-1.38
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.01
Vigo County, IN	SO _x	Maintenance	100	-	0.01	-0.02	-0.15
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.00	-0.01	-0.07
Warren County, NJ	SO _x	Maintenance	100	-	0.00	-0.01	-0.05
Warren County, PA	SO _x	Nonattainment	100	-	0.00	-0.00	-0.02
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.01	-0.04	-0.27
Washington, DC-MD-VA	CO	Maintenance	100	-	0.09	-0.29	-2.23
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.32	-1.03	-7.98
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.32	-1.00	-7.80
Washoe County, NV	PM ₁₀	Serious	70	-	0.01	-0.04	-0.33
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.01
Wayne County, IN	SO _x	Maintenance	100	-	0.00	-0.01	-0.08
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.01	-0.02	-0.17
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.01
Weirton, WV	SO _x	Maintenance	100	-	0.00	-0.00	-0.01
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.01	-0.02	-0.16
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	-0.02	-0.16
Winston-Salem, NC	CO	Maintenance	100	-	0.02	-0.07	-0.56
Worcester, MA	CO	Maintenance	100	-	0.01	-0.04	-0.33
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.01	-0.02	-0.13
Yakima, WA	CO	Maintenance	100	-	0.00	-0.01	-0.06
York, PA	Ozone	Maintenance	100	-	0.03	-0.08	-0.63
York, PA	PM _{2.5}	Nonattainment	100	-	0.02	-0.06	-0.49
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.03	-0.09	-0.73
Yuma, AZ	PM ₁₀	Moderate	100	-	0.01	-0.04	-0.29

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

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

c/ Emissions thresholds in tons/year of: VOC or NO_x in ozone NAAs; primary PM_{2.5} in PM_{2.5} NAAs. Source: 40 CFR 51.853. These thresholds

Table B1-36
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Butadiene 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks

are provided for information only; a general conformity determination is not required for the proposed actions.
 Source: EPA, 2008.

Table B1-37
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
DPM 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.03	0.13	1.28
Albuquerque, NM	CO	Maintenance	100	-	0.01	0.06	0.59
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.01	0.14
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.01	0.06	0.59
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.01	0.10
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.02	0.15
Anchorage, AK	CO	Maintenance	100	-	0.00	0.01	0.14
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Atlanta, GA	Ozone	Moderate	50	-	0.16	0.68	6.59
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.16	0.68	6.59
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.01	0.05
Bakersfield, CA	CO	Maintenance	100	-	-0.06	-0.06	0.21
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.01
Baltimore, MD	Ozone	Moderate	50	-	0.07	0.31	2.96
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.07	0.31	2.96
Baton Rouge, LA	Ozone	Moderate	50	-	-4.27	-6.21	-12.45
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-13.64	-19.96	-41.51
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.00	0.02	0.19
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.02
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.02	0.15
Billings, MT	CO	Maintenance	100	-	-2.27	-3.32	-6.89
Birmingham, AL	Ozone	Maintenance	100	-	-0.18	-0.19	0.41
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-0.18	-0.19	0.41
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.01	0.03	0.32
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.01	0.03	0.32
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Boston, MA	CO	Maintenance	100	-	0.02	0.09	0.86
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.12	0.53	5.10
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.02	0.07	0.64
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.01
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.03	0.12	1.16
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.01

Table B1-37
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Canton-Massillon, OH	Ozone	Maintenance	100	-	-0.36	-0.50	-0.82
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-0.36	-0.50	-0.82
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.04
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.01
Charleston, WV	Ozone	Maintenance	100	-	0.01	0.03	0.28
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.28
Charlotte, NC	CO	Maintenance	100	-	0.02	0.07	0.72
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.04	0.17	1.62
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.01	0.06	0.55
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.01	0.05	0.50
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-6.18	-8.58	-12.50
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-6.18	-8.56	-12.26
Chico, CA	CO	Maintenance	100	-	0.00	0.01	0.10
Chico, CA	Ozone	Former Subpart 1	50	-	0.01	0.02	0.24
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.05	0.20	1.97
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.05	0.20	1.91
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Clark County, NV	PM ₁₀	Serious	70	-	0.04	0.15	1.45
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.01	0.03	0.26
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.00	0.02	0.18
Cleveland, OH	CO	Maintenance	100	-	0.02	0.10	0.97
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.06	0.27	2.60
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.06	0.25	2.40
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.01	0.06	0.61
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.01	0.06
Colorado Springs, CO	CO	Maintenance	100	-	0.01	0.06	0.58
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Columbia, SC	Ozone	Former Subpart 1	50	-	0.02	0.07	0.65
Columbus, OH	Ozone	Maintenance	100	-	0.04	0.17	1.65
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.04	0.16	1.53
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	-0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.02	0.10	0.97
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.02	0.08	0.79
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.17	0.70	6.79
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.02	0.09	0.85

Table B1-37
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
DPM 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.02	0.08	0.75
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-2.71	-3.77	-5.62
Denver-Boulder, CO	CO	Maintenance	100	-	-2.71	-3.79	-5.75
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-2.70	-3.71	-5.02
Detroit, MI	CO	Maintenance	100	-	-2.12	-2.99	-4.99
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-2.69	-3.63	-3.98
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-2.70	-3.64	-4.06
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.04
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.04
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.03
Duluth, MN	CO	Maintenance	100	-	0.00	0.01	0.08
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	-5.02	-7.34	-15.22
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	-1.51	-2.18	-4.19
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.03
Erie, PA	Ozone	Maintenance	100	-	0.01	0.02	0.23
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.01	0.02	0.23
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.01	0.02	0.22
Evansville, IN	Ozone	Maintenance	100	-	0.01	0.03	0.25
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.33
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.02
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.01	0.03	0.30
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Flint, MI	Ozone	Maintenance	100	-	0.01	0.05	0.53
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.00	0.02	0.17
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.01	0.04	0.37
Franklin County, PA	Ozone	Maintenance	100	-	0.00	0.02	0.15
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.13
Fredericksburg, VA	Ozone	Maintenance	100	-	0.01	0.04	0.40
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.02
Fresno, CA	CO	Maintenance	100	-	0.01	0.06	0.57

Table B1-37
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
DPM 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Grand Rapids, MI	Ozone	Maintenance	100	-	0.02	0.08	0.80
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.04
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.02
Greater Connecticut, CT	Ozone	Moderate	50	-	0.04	0.17	1.66
Greeley, CO	CO	Maintenance	100	-	0.00	0.01	0.12
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.01	0.12
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.01	0.05
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.05
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.04	0.17	1.63
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.02	0.08	0.81
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.02	0.09	0.91
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.02
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.01	0.11
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.02	0.09	0.85
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.08	0.78
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.03	0.11	1.08
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.01
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.04
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	0.04
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.02	0.18
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.01	0.03	0.30
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-20.70	-29.96	-58.42
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-2.74	-4.00	-8.14
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-2.75	-4.01	-8.27
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.03
Imperial County, CA	Ozone	Moderate	50	-	0.01	0.02	0.21
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.01	0.02	0.21
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.05	0.21	1.99
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.04	0.16	1.57
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.01	0.08
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.02	0.16

Table B1-37
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.01	0.12
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.01	0.02	0.22
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.01	0.11
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.12
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.01	0.05	0.51
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.04	0.17	1.65
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.01	0.14
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.08
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.02
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.01	0.05
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.05
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.03	0.12	1.16
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.02	0.09	0.90
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.04
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Lake County, IN	SO _x	Maintenance	100	-	0.01	0.03	0.31
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.04
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.03
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.01	0.06
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.02
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.01	0.05	0.45
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.05	0.45
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.01	0.05	0.48
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.01	0.10
Las Vegas, NV	CO	Serious	100	-	0.04	0.15	1.45
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.04	0.15	1.47
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.01	0.09
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01

Table B1-37
Emission Changes a by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
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Nonattainment Area	Pollutant	Status <u>b</u> /	General Conformity Threshold <u>c</u> /	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Lima, OH	Ozone	Maintenance	100	-	-3.49	-5.10	-10.61
Longmont, CO	CO	Maintenance	100	-	0.00	0.01	0.09
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.05
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-9.53	-12.94	-15.36
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	-9.53	-12.94	-15.36
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-9.53	-12.94	-15.36
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-9.53	-12.94	-15.36
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-9.53	-12.94	-15.36
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.02	0.07	0.68
Louisville, KY-IN	Ozone	Maintenance	100	-	0.03	0.12	1.14
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.03	0.11	1.11
Lowell, MA	CO	Maintenance	100	-	0.00	0.01	0.11
Lucas County, OH	SO _x	Maintenance	100	-	0.01	0.03	0.31
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	0.06
Macon, GA	Ozone	Maintenance	100	-	0.01	0.02	0.22
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.21
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.01	0.02	0.24
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Manchester, NH	CO	Maintenance	100	-	0.00	0.01	0.08
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.01	0.10
Marion County, IN	SO _x	Maintenance	100	-	0.01	0.03	0.32
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.11
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.32
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.03
Medford, OR	CO	Maintenance	100	-	0.00	0.01	0.08
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.00	0.02	0.18
Memphis, TN-AR	Ozone	Maintenance	100	-	-1.05	-1.47	-2.29
Memphis, TN	CO	Maintenance	100	-	-1.05	-1.48	-2.37
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.03
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.01
Milwaukee, WI	SO _x	Maintenance	100	-	0.01	0.06	0.54
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.04	0.18	1.78
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.07	0.30	2.86
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.07	0.29	2.78
Missoula, MT	CO	Maintenance	100	-	0.00	0.01	0.06
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.06
Modesto, CA	CO	Maintenance	100	-	0.01	0.03	0.29

Table B1-37
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.01	0.10
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	0.03
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.03
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.01	0.12
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.02
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.01	0.13
Nashua, NH	CO	Maintenance	100	-	0.00	0.01	0.06
Nashville, TN	Ozone	Former Subpart 1	50	-	0.04	0.17	1.62
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.13
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.01	0.14
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.02	0.08	0.80
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.01
New York County, NY	PM ₁₀	Moderate	100	-	0.01	0.05	0.47
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-0.93	-0.83	4.44
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-1.18	-0.72	10.14
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-1.19	-0.74	10.02
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.04
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-3.85	-5.54	-10.37
Ogden, UT	CO	Maintenance	100	-	0.00	0.01	0.07
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.01	0.07
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.10
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.02	0.15
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.02	0.15
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.01	0.10
Perth Amboy, NJ	CO	Maintenance	100	-	-0.41	-0.60	-1.20
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.01	0.04	0.40
Philidelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-5.92	-8.37	-14.05
Philidelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-5.89	-8.18	-12.02

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Phoenix, AZ	CO	Maintenance	100	-	0.10	0.45	4.38
Phoenix, AZ	PM ₁₀	Serious	70	-	0.11	0.47	4.52
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.11	0.47	4.53
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.02
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.05	0.21	2.03
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.04	0.19	1.85
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.02
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.01	0.06	0.56
Portland, OR	CO	Maintenance	100	-	0.01	0.09	1.10
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.04
Poughkeepsie, NY	Ozone	Moderate	50	-	0.03	0.14	1.33
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Providence (entire State), RI	Ozone	Moderate	50	-	0.02	0.10	0.98
Provo, UT	CO	Maintenance	100	-	0.00	0.02	0.16
Raleigh-Durham, NC	CO	Maintenance	100	-	0.03	0.13	1.27
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.04	0.18	1.74
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.01	0.03	0.33
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.33
Reno, NV	CO	Maintenance	100	-	0.01	0.03	0.24
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.02	0.12	1.21
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.05
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.01	0.06	0.61
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.01	0.03	0.27
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.01	0.08
Rochester, NY	Ozone	Former Subpart 1	50	-	0.03	0.14	1.34
Rocky Mount, NC	Ozone	Maintenance	100	-	0.00	0.02	0.19
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.12
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.03	0.15	1.43
Sacramento Metro, CA	Ozone	Severe	25	-	0.06	0.26	2.54
Sacramento, CA	CO	Maintenance	100	-	0.04	0.16	1.59
Salem, OR	CO	Maintenance	100	-	0.00	0.01	0.13

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Salt Lake City, UT	CO	Maintenance	100	-	-0.97	-1.40	-2.78
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-0.95	-1.32	-1.96
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.02	0.11	1.02
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.04	0.19	1.83
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.01	0.04	0.42
San Diego, CA	CO	Maintenance	100	-	0.10	0.41	4.00
San Diego, CA	Ozone	Former Subpart 1	50	-	0.10	0.42	4.01
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-7.89	-11.13	-18.42
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-7.86	-11.04	-17.58
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.03	0.35	4.13
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.03	0.35	4.15
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.03	0.35	4.13
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.03
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.02	0.07	0.67
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.07	0.30	2.94
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.01	0.12
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.02
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.01	0.05	0.45
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	0.17
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.01	0.03	0.29
Spokane, WA	CO	Maintenance	100	-	0.01	0.03	0.29
Springfield (western MA), MA	Ozone	Moderate	50	-	0.02	0.09	0.90
Springfield, MA	CO	Maintenance	100	-	0.00	0.01	0.14
St Louis, MO	CO	Maintenance	100	-	0.02	0.10	0.95
St Louis, MO-IL	Ozone	Moderate	50	-	-15.56	-22.60	-45.00
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-15.56	-22.60	-45.02
State College, PA	Ozone	Maintenance	100	-	0.00	0.02	0.17
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	0.04
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.02	-0.03	0.02
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.02	-0.03	0.02
Stockton, CA	CO	Maintenance	100	-	0.01	0.05	0.44
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.01	0.05	0.52
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.01	0.14

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.01	0.06
Toledo, OH	Ozone	Maintenance	100	-	-3.62	-5.27	-10.60
Toms River, NJ	CO	Maintenance	100	-	0.00	0.01	0.10
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.01	0.10
Trenton, NJ	CO	Maintenance	100	-	0.00	0.01	0.09
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.02	0.10	0.97
Utah County, UT	PM ₁₀	Moderate	100	-	0.01	0.05	0.47
Vancouver, WA	CO	Maintenance	100	-	0.01	0.03	0.30
Ventura County, CA	Ozone	Serious	50	-	0.02	0.08	0.79
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.14
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.01	0.06
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	0.04
Warren County, PA	SO _x	Nonattainment	100	-	-0.00	-0.00	0.01
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.01	0.02	0.21
Washington, DC-MD-VA	CO	Maintenance	100	-	0.04	0.16	1.56
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.13	0.55	5.30
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.13	0.54	5.19
Washoe County, NV	PM ₁₀	Serious	70	-	0.01	0.03	0.24
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.07
Wayne County, MI	PM ₁₀	Maintenance	100	-	-1.65	-2.41	-5.00
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.01
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.02	0.15
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.02	0.15
Winston-Salem, NC	CO	Maintenance	100	-	0.01	0.04	0.41
Worcester, MA	CO	Maintenance	100	-	0.01	0.02	0.21
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.09
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	0.04
York, PA	Ozone	Maintenance	100	-	0.01	0.05	0.44
York, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.04	0.34
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.02	0.07	0.66
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.02	0.18

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

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

c/ Emissions thresholds in tons/year of: VOC or NO_x in ozone NAAs; primary PM_{2.5} in PM_{2.5} NAAs. Source: 40 CFR 51.853. These thresholds

Table B1-37
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
DPM 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks

are provided for information only; a general conformity determination is not required for the proposed actions.
 Source: EPA, 2008.

Table B1-38
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
DPM 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.14	0.91	3.99
Albuquerque, NM	CO	Maintenance	100	-	0.07	0.42	1.84
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.02	0.10	0.45
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.07	0.42	1.85
Altoona, PA	Ozone	Maintenance	100	-	0.01	0.07	0.32
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.02	0.12	0.52
Anchorage, AK	CO	Maintenance	100	-	0.02	0.10	0.44
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.02
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Atlanta, GA	Ozone	Moderate	50	-	0.75	4.76	20.91
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.75	4.76	20.93
Atlantic City, NJ	CO	Maintenance	100	-	0.01	0.04	0.16
Bakersfield, CA	CO	Maintenance	100	-	-0.13	0.02	0.87
Baltimore, MD	CO	Maintenance	100	-	0.00	0.01	0.03
Baltimore, MD	Ozone	Moderate	50	-	0.33	2.13	9.34
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.33	2.13	9.34
Baton Rouge, LA	Ozone	Moderate	50	-	-10.75	-16.74	-28.15
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-34.44	-54.64	-95.52
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.02	0.13	0.56
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.02	0.07
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.02	0.10	0.46
Billings, MT	CO	Maintenance	100	-	-5.72	-9.08	-15.85
Birmingham, AL	Ozone	Maintenance	100	-	-0.40	-0.09	1.73
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-0.40	-0.09	1.74
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.04	0.23	1.02
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.04	0.23	1.02
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.01	0.05
Boston, MA	CO	Maintenance	100	-	0.10	0.61	2.66
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.57	3.63	15.94
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.07	0.46	2.03
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.01	0.03
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.13	0.82	3.60
Burlington, NJ	CO	Maintenance	100	-	0.00	0.01	0.03

Table B1-38
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
DPM 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.07
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	0.06
Canton-Massillon, OH	Ozone	Maintenance	100	-	-0.89	-1.26	-1.67
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-0.89	-1.26	-1.67
Case County, MI	Ozone	Maintenance	100	-	0.00	0.03	0.14
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.02
Charleston, WV	Ozone	Maintenance	100	-	0.03	0.20	0.86
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.03	0.20	0.86
Charlotte, NC	CO	Maintenance	100	-	0.08	0.52	2.30
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.18	1.17	5.14
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.06	0.39	1.70
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.05	0.35	1.55
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-15.26	-20.54	-22.98
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-15.23	-20.37	-22.23
Chico, CA	CO	Maintenance	100	-	0.01	0.08	0.34
Chico, CA	Ozone	Former Subpart 1	50	-	0.03	0.18	0.78
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.22	1.40	6.15
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.21	1.36	5.97
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.04
Clark County, NV	PM ₁₀	Serious	70	-	0.17	1.07	4.69
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.03	0.18	0.81
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.02	0.13	0.56
Cleveland, OH	CO	Maintenance	100	-	0.10	0.66	2.92
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.29	1.83	8.03
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.27	1.69	7.40
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.07	0.46	2.00
Colbert County, AL	SO _x	Maintenance	100	-	0.01	0.04	0.19
Colorado Springs, CO	CO	Maintenance	100	-	0.07	0.42	1.85
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Columbia, SC	Ozone	Former Subpart 1	50	-	0.07	0.46	2.03
Columbus, OH	Ozone	Maintenance	100	-	0.19	1.20	5.25
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.17	1.11	4.87
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	-0.00	0.01
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.10	0.66	2.92
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.09	0.54	2.39
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.78	4.96	21.78
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.09	0.59	2.61

Table B1-38
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
DPM 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.08	0.52	2.30
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-6.69	-9.07	-10.40
Denver-Boulder, CO	CO	Maintenance	100	-	-6.71	-9.16	-10.80
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-6.62	-8.63	-8.48
Detroit, MI	CO	Maintenance	100	-	-5.25	-7.52	-10.28
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-6.57	-8.00	-5.45
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-6.58	-8.06	-5.72
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.03	0.12
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.03	0.11
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.02	0.09
Duluth, MN	CO	Maintenance	100	-	0.01	0.06	0.25
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.01	0.03
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	-12.67	-20.07	-34.98
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	-3.79	-5.77	-9.26
El Paso, TX	CO	Maintenance	100	-	0.00	0.02	0.10
Erie, PA	Ozone	Maintenance	100	-	0.03	0.16	0.71
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.03	0.16	0.72
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.02	0.16	0.69
Evansville, IN	Ozone	Maintenance	100	-	0.03	0.18	0.79
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.04	0.23	1.02
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.01	0.05
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.03	0.21	0.92
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Flint, MI	Ozone	Maintenance	100	-	0.06	0.37	1.62
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.02	0.13	0.55
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.04	0.26	1.14
Franklin County, PA	Ozone	Maintenance	100	-	0.02	0.11	0.47
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.01	0.09	0.41
Fredericksburg, VA	Ozone	Maintenance	100	-	0.05	0.30	1.30
Freehold, NJ	CO	Maintenance	100	-	0.00	0.01	0.05
Fresno, CA	CO	Maintenance	100	-	0.07	0.42	1.84

Table B1-38
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
DPM 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Grand Rapids, MI	Ozone	Maintenance	100	-	0.09	0.58	2.53
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.03	0.13
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.01
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.02	0.10
Great Falls, MT	CO	Maintenance	100	-	0.00	0.01	0.06
Greater Connecticut, CT	Ozone	Moderate	50	-	0.18	1.17	5.13
Greeley, CO	CO	Maintenance	100	-	0.01	0.09	0.38
Green Bay, WI	SO _x	Maintenance	100	-	0.01	0.09	0.38
Greene County, IN	Ozone	Maintenance	100	-	0.01	0.03	0.15
Greene County, PA	Ozone	Maintenance	100	-	0.01	0.03	0.14
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.18	1.15	5.06
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.09	0.57	2.50
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.10	0.64	2.80
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.02	0.07
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.01	0.08	0.36
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.10	0.61	2.67
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.09	0.56	2.47
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.12	0.76	3.32
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.01	0.03
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.03	0.12
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.02
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.03	0.12
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.02	0.13	0.56
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.03	0.21	0.91
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-52.02	-79.85	-130.15
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-6.91	-10.85	-18.55
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-6.93	-10.95	-18.98
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.02	0.09
Imperial County, CA	Ozone	Moderate	50	-	0.02	0.16	0.68
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.02	0.15	0.67
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.02	0.10
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.22	1.42	6.26
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.18	1.13	4.96
Jackson County, IN	Ozone	Maintenance	100	-	0.01	0.06	0.25
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.02	0.11	0.48

Table B1-38
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
DPM 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Jefferson County, NY	Ozone	Moderate	50	-	0.01	0.09	0.39
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.02	0.15	0.68
Johnstown, PA	Ozone	Maintenance	100	-	0.01	0.07	0.31
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.08	0.35
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.01	0.03
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.06	0.36	1.57
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.02	0.09
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.19	1.18	5.20
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.02	0.10	0.45
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.02	0.08
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.01	0.06	0.26
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.02	0.08
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.03
Klamath Falls, OR	CO	Maintenance	100	-	0.01	0.04	0.15
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.01	0.04	0.15
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.13	0.85	3.71
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.10	0.65	2.87
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.02	0.11
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.05
Lake County, IN	SO _x	Maintenance	100	-	0.03	0.22	0.95
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.03	0.11
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.02	0.09
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.01	0.04	0.20
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.01	0.06
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	0.03
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.05	0.32	1.41
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.05	0.32	1.41
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.05	0.34	1.49
LaPorte, IN	Ozone	Maintenance	100	-	0.01	0.07	0.30
Las Vegas, NV	CO	Serious	100	-	0.17	1.07	4.69
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.17	1.08	4.76
Lauderdale County, AL	SO _x	Maintenance	100	-	0.01	0.06	0.27
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.01
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.02

Table B1-38
Emission Changes a by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
DPM 2025

Nonattainment Area	Pollutant	Status <u>b</u> /	General Conformity Threshold <u>c</u> /	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.04
Lima, OH	Ozone	Maintenance	100	-	-8.81	-13.97	-24.41
Longmont, CO	CO	Maintenance	100	-	0.01	0.06	0.29
Lorain County, OH	SO _x	Maintenance	100	-	0.01	0.03	0.14
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-23.28	-28.95	-22.45
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	-23.28	-28.95	-22.45
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-23.28	-28.95	-22.45
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-23.28	-28.95	-22.45
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-23.28	-28.95	-22.45
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.08	0.49	2.16
Louisville, KY-IN	Ozone	Maintenance	100	-	0.13	0.80	3.52
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.12	0.78	3.40
Lowell, MA	CO	Maintenance	100	-	0.01	0.08	0.35
Lucas County, OH	SO _x	Maintenance	100	-	0.03	0.21	0.93
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.04	0.19
Macon, GA	Ozone	Maintenance	100	-	0.02	0.15	0.65
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.02	0.15	0.65
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Madison, WI	SO _x	Maintenance	100	-	0.03	0.17	0.77
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.01	0.03
Manchester, NH	CO	Maintenance	100	-	0.01	0.05	0.24
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.01	0.07	0.32
Marion County, IN	SO _x	Maintenance	100	-	0.03	0.22	0.97
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.08	0.35
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.04	0.23	0.99
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.02	0.08
Medford, OR	CO	Maintenance	100	-	0.01	0.06	0.24
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.02	0.13	0.58
Memphis, TN-AR	Ozone	Maintenance	100	-	-2.61	-3.62	-4.52
Memphis, TN	CO	Maintenance	100	-	-2.62	-3.68	-4.77
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.02	0.09
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.02
Milwaukee, WI	SO _x	Maintenance	100	-	0.06	0.38	1.65
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.20	1.26	5.55
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.32	2.05	9.00
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.31	1.99	8.75
Missoula, MT	CO	Maintenance	100	-	0.01	0.04	0.19
Missoula, MT	PM ₁₀	Moderate	100	-	0.01	0.04	0.19
Modesto, CA	CO	Maintenance	100	-	0.03	0.22	0.97

Table B1-38
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
DPM 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.01	0.07	0.32
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Morristown, NJ	CO	Maintenance	100	-	0.00	0.02	0.10
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.02	0.09
Muncie, IN	Ozone	Maintenance	100	-	0.01	0.08	0.36
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.01	0.05
Muskegon, MI	Ozone	Maintenance	100	-	0.01	0.09	0.40
Nashua, NH	CO	Maintenance	100	-	0.01	0.04	0.19
Nashville, TN	Ozone	Former Subpart 1	50	-	0.18	1.16	5.11
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.02	0.10	0.44
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.02	0.10	0.43
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.09	0.56	2.45
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.02
New York County, NY	PM ₁₀	Moderate	100	-	0.05	0.32	1.42
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-1.96	1.03	16.43
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-2.25	4.32	35.36
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-2.26	4.23	34.97
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.03	0.13
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-9.65	-14.54	-22.67
Ogden, UT	CO	Maintenance	100	-	0.01	0.05	0.22
Ogden, UT	PM ₁₀	Moderate	100	-	0.01	0.05	0.22
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.01	0.07
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.01	0.08	0.33
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.01
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.02	0.10	0.45
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.02	0.10	0.45
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.01	0.06
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.01	0.07	0.31
Perth Amboy, NJ	CO	Maintenance	100	-	-1.04	-1.62	-2.71
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.04	0.28	1.22
Phildelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-14.74	-21.12	-28.92
Phildelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-14.55	-19.71	-22.54

Table B1-38
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
DPM 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Phoenix, AZ	CO	Maintenance	100	-	0.52	3.34	14.69
Phoenix, AZ	PM ₁₀	Serious	70	-	0.54	3.44	15.13
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.54	3.45	15.19
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.03
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.02	0.07
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.22	1.42	6.23
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.20	1.29	5.69
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.01	0.07
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Portland, ME	Ozone	Maintenance	100	-	0.06	0.40	1.75
Portland, OR	CO	Maintenance	100	-	0.07	0.73	3.46
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.03	0.14
Poughkeepsie, NY	Ozone	Moderate	50	-	0.15	0.97	4.26
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.01	0.03
Providence (entire State), RI	Ozone	Moderate	50	-	0.11	0.70	3.07
Provo, UT	CO	Maintenance	100	-	0.02	0.12	0.51
Raleigh-Durham, NC	CO	Maintenance	100	-	0.15	0.93	4.07
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.20	1.26	5.55
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Reading, PA	Ozone	Maintenance	100	-	0.04	0.24	1.04
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.04	0.24	1.04
Reno, NV	CO	Maintenance	100	-	0.03	0.17	0.76
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.12	0.85	3.78
Rillito, AZ	PM ₁₀	Moderate	100	-	0.01	0.03	0.15
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.07	0.46	2.00
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.03	0.19	0.82
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.01	0.06	0.25
Rochester, NY	Ozone	Former Subpart 1	50	-	0.15	0.95	4.17
Rocky Mount, NC	Ozone	Maintenance	100	-	0.02	0.13	0.58
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.01	0.09	0.37
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.01
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.17	1.06	4.67
Sacramento Metro, CA	Ozone	Severe	25	-	0.30	1.91	8.39
Sacramento, CA	CO	Maintenance	100	-	0.19	1.19	5.21
Salem, OR	CO	Maintenance	100	-	0.01	0.09	0.41

Table B1-38
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
DPM 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Salt Lake City, UT	CO	Maintenance	100	-	-2.43	-3.76	-6.23
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-2.34	-3.18	-3.68
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.12	0.73	3.21
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.21	1.32	5.80
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.05	0.31	1.34
San Diego, CA	CO	Maintenance	100	-	0.46	2.95	12.97
San Diego, CA	Ozone	Former Subpart 1	50	-	0.47	2.96	12.99
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-19.59	-27.79	-37.00
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-19.50	-27.19	-34.34
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.33	2.94	13.68
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.33	2.95	13.74
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.33	2.94	13.68
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.02	0.10
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.07	0.48	2.09
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.33	2.12	9.32
Sheboygan, WI	Ozone	Moderate	50	-	0.01	0.08	0.37
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.02	0.07
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.01	0.05
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.05	0.32	1.41
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.01	0.11	0.52
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.03	0.21	0.93
Spokane, WA	CO	Maintenance	100	-	0.03	0.21	0.92
Springfield (western MA), MA	Ozone	Moderate	50	-	0.10	0.63	2.78
Springfield, MA	CO	Maintenance	100	-	0.02	0.10	0.45
St Louis, MO	CO	Maintenance	100	-	0.10	0.65	2.86
St Louis, MO-IL	Ozone	Moderate	50	-	-39.16	-60.80	-101.58
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-39.16	-60.82	-101.65
State College, PA	Ozone	Maintenance	100	-	0.02	0.12	0.53
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	0.06
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.03	0.13
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.06	-0.04	0.11
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.06	-0.04	0.11
Stockton, CA	CO	Maintenance	100	-	0.05	0.33	1.45
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.06	0.36	1.60
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.01	0.09	0.41

Table B1-38
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
DPM 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Tioga County, PA	Ozone	Maintenance	100	-	0.01	0.04	0.18
Toledo, OH	Ozone	Maintenance	100	-	-9.12	-14.24	-24.06
Toms River, NJ	CO	Maintenance	100	-	0.01	0.07	0.31
Tooele County, UT	SO _x	Nonattainment	100	-	0.01	0.07	0.31
Trenton, NJ	CO	Maintenance	100	-	0.01	0.06	0.28
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Tucson, AZ	CO	Maintenance	100	-	0.11	0.71	3.10
Utah County, UT	PM ₁₀	Moderate	100	-	0.05	0.34	1.51
Vancouver, WA	CO	Maintenance	100	-	0.03	0.22	0.97
Ventura County, CA	Ozone	Serious	50	-	0.08	0.58	2.59
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Vigo County, IN	SO _x	Maintenance	100	-	0.01	0.09	0.41
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.01	0.04	0.18
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.03	0.11
Warren County, PA	SO _x	Nonattainment	100	-	-0.01	-0.00	0.03
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.02	0.15	0.66
Washington, DC-MD-VA	CO	Maintenance	100	-	0.18	1.11	4.88
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.60	3.83	16.84
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.59	3.75	16.49
Washoe County, NV	PM ₁₀	Serious	70	-	0.03	0.17	0.76
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Wayne County, IN	SO _x	Maintenance	100	-	0.01	0.05	0.22
Wayne County, MI	PM ₁₀	Maintenance	100	-	-4.17	-6.60	-11.49
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.01	0.03
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.01	0.04
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.02	0.11	0.47
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.02	0.11	0.47
Winston-Salem, NC	CO	Maintenance	100	-	0.05	0.29	1.28
Worcester, MA	CO	Maintenance	100	-	0.02	0.15	0.68
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.01	0.07	0.29
Yakima, WA	CO	Maintenance	100	-	0.00	0.03	0.12
York, PA	Ozone	Maintenance	100	-	0.05	0.32	1.39
York, PA	PM _{2.5}	Nonattainment	100	-	0.04	0.25	1.08
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.07	0.45	1.99
Yuma, AZ	PM ₁₀	Moderate	100	-	0.02	0.13	0.58

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

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

c/ Emissions thresholds in tons/year of: VOC or NO_x in ozone NAAs; primary PM_{2.5} in PM_{2.5} NAAs. Source: 40 CFR 51.853. These thresholds

Table B1-38
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks

are provided for information only; a general conformity determination is not required for the proposed actions.
 Source: EPA, 2008.

Table B1-39
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
DPM 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.01	0.02
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.02	0.05
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.02	0.05
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.76	5.70	14.39
Albuquerque, NM	CO	Maintenance	100	-	0.34	2.59	6.54
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.09	0.69	1.74
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.35	2.63	6.64
Altoona, PA	Ozone	Maintenance	100	-	0.06	0.42	1.05
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.12	0.90	2.26
Anchorage, AK	CO	Maintenance	100	-	0.09	0.67	1.70
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.03	0.08
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.02	0.05
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.03	0.08
Atlanta, GA	Ozone	Moderate	50	-	4.13	31.18	78.65
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	4.14	31.19	78.68
Atlantic City, NJ	CO	Maintenance	100	-	0.03	0.22	0.55
Bakersfield, CA	CO	Maintenance	100	-	-0.08	1.41	4.12
Baltimore, MD	CO	Maintenance	100	-	0.01	0.04	0.11
Baltimore, MD	Ozone	Moderate	50	-	1.81	13.65	34.43
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	1.81	13.65	34.43
Baton Rouge, LA	Ozone	Moderate	50	-	-20.49	-36.58	-59.43
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-66.39	-124.93	-210.56
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Benton Harbor, MI	Ozone	Maintenance	100	-	0.10	0.73	1.83
Benzie County, MI	Ozone	Maintenance	100	-	0.02	0.11	0.29
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.09	0.67	1.70
Billings, MT	CO	Maintenance	100	-	-11.03	-20.72	-34.89
Birmingham, AL	Ozone	Maintenance	100	-	-0.41	2.46	7.76
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-0.41	2.48	7.80
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.20	1.51	3.80
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.20	1.51	3.80
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.01	0.08	0.21
Boston, MA	CO	Maintenance	100	-	0.49	3.72	9.37
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	3.01	22.72	57.32
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.39	2.97	7.50
Boyd County (part), KY	SO _x	Maintenance	100	-	0.01	0.04	0.10
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.66	4.98	12.55
Burlington, NJ	CO	Maintenance	100	-	0.00	0.03	0.08

Table B1-39
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Butte, MT	PM ₁₀	Moderate	100	-	0.01	0.08	0.21
Canon City, CO	PM ₁₀	Maintenance	100	-	0.01	0.09	0.24
Canton-Massillon, OH	Ozone	Maintenance	100	-	-1.61	-2.14	-2.61
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-1.61	-2.14	-2.61
Case County, MI	Ozone	Maintenance	100	-	0.02	0.19	0.47
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.02	0.06
Charleston, WV	Ozone	Maintenance	100	-	0.15	1.13	2.84
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.15	1.13	2.84
Charlotte, NC	CO	Maintenance	100	-	0.46	3.45	8.71
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	1.01	7.63	19.23
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.31	2.35	5.94
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.29	2.16	5.45
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-26.75	-26.90	-19.19
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-26.61	-25.81	-16.45
Chico, CA	CO	Maintenance	100	-	0.08	0.58	1.46
Chico, CA	Ozone	Former Subpart 1	50	-	0.17	1.27	3.20
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	1.16	8.76	22.09
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	1.13	8.49	21.41
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.01	0.05	0.14
Clark County, NV	PM ₁₀	Serious	70	-	0.98	7.40	18.65
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.16	1.20	3.03
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.10	0.78	1.96
Cleveland, OH	CO	Maintenance	100	-	0.50	3.75	9.47
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	1.46	11.04	27.84
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	1.34	10.13	25.56
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.44	3.29	8.29
Colbert County, AL	SO _x	Maintenance	100	-	0.03	0.24	0.60
Colorado Springs, CO	CO	Maintenance	100	-	0.37	2.82	7.11
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.03	0.07
Columbia, SC	Ozone	Former Subpart 1	50	-	0.38	2.89	7.29
Columbus, OH	Ozone	Maintenance	100	-	1.04	7.88	19.88
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.97	7.33	18.48
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	0.01	0.02
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.50	3.75	9.47
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.41	3.12	7.87
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	4.42	33.31	84.02
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.47	3.52	8.87

Table B1-39
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.41	3.10	7.81
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-11.71	-11.73	-8.28
Denver-Boulder, CO	CO	Maintenance	100	-	-11.79	-12.35	-9.84
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-11.32	-8.82	-0.95
Detroit, MI	CO	Maintenance	100	-	-9.49	-13.26	-17.23
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-10.99	-5.65	7.25
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-11.04	-6.03	6.29
Door County, WI	Ozone	Former Subpart 1	50	-	0.02	0.17	0.43
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.02	0.15	0.38
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.02	0.12	0.31
Duluth, MN	CO	Maintenance	100	-	0.04	0.34	0.85
Eagle River, AK	PM ₁₀	Moderate	100	-	0.01	0.04	0.11
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	-24.40	-45.74	-76.89
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.01
El Paso County, TX	PM ₁₀	Moderate	100	-	-7.13	-11.89	-18.35
El Paso, TX	CO	Maintenance	100	-	0.02	0.14	0.35
Erie, PA	Ozone	Maintenance	100	-	0.13	0.96	2.43
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.01	0.02
Eugene-Springfield, OR	CO	Maintenance	100	-	0.14	1.05	2.64
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.13	1.00	2.53
Evansville, IN	Ozone	Maintenance	100	-	0.15	1.10	2.78
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.19	1.41	3.55
Fairbanks, AK	CO	Maintenance	100	-	0.01	0.08	0.21
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.17	1.30	3.29
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.03	0.09
Flint, MI	Ozone	Maintenance	100	-	0.30	2.23	5.62
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Fort Collins, CO	CO	Maintenance	100	-	0.11	0.85	2.15
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	0.21	1.61	4.07
Franklin County, PA	Ozone	Maintenance	100	-	0.09	0.69	1.74
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.08	0.58	1.46
Fredericksburg, VA	Ozone	Maintenance	100	-	0.27	2.02	5.11
Freehold, NJ	CO	Maintenance	100	-	0.01	0.09	0.22
Fresno, CA	CO	Maintenance	100	-	0.37	2.79	7.04

Table B1-39
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Grand Rapids, MI	Ozone	Maintenance	100	-	0.50	3.74	9.43
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.02	0.17	0.42
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.01	0.03
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.01
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.02	0.16	0.40
Great Falls, MT	CO	Maintenance	100	-	0.01	0.08	0.19
Greater Connecticut, CT	Ozone	Moderate	50	-	0.94	7.06	17.81
Greeley, CO	CO	Maintenance	100	-	0.08	0.57	1.44
Green Bay, WI	SO _x	Maintenance	100	-	0.07	0.55	1.39
Greene County, IN	Ozone	Maintenance	100	-	0.03	0.21	0.54
Greene County, PA	Ozone	Maintenance	100	-	0.03	0.19	0.49
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.94	7.07	17.83
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.46	3.46	8.73
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.51	3.82	9.63
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.01	0.10	0.25
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.07	0.51	1.29
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.52	3.92	9.88
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.48	3.61	9.11
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.60	4.51	11.38
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.01	0.05	0.12
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.03	0.19	0.48
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.02	0.06
Hazelwood, PA	SO _x	Maintenance	100	-	0.02	0.17	0.44
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.10	0.74	1.88
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.17	1.25	3.15
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.01	0.02
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-98.28	-167.55	-263.03
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.01	0.03
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-13.25	-24.24	-40.09
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-13.33	-24.85	-41.61
Huron County, MI	Ozone	Maintenance	100	-	0.02	0.12	0.30
Imperial County, CA	Ozone	Moderate	50	-	0.14	1.07	2.70
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.14	1.05	2.64
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.02	0.14	0.36
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.01
Indianapolis, IN	Ozone	Maintenance	100	-	1.21	9.14	23.05
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.96	7.26	18.31
Jackson County, IN	Ozone	Maintenance	100	-	0.05	0.34	0.86
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.09	0.67	1.69

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Jefferson County, NY	Ozone	Moderate	50	-	0.07	0.54	1.36
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.03	0.08
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.12	0.92	2.32
Johnstown, PA	Ozone	Maintenance	100	-	0.05	0.38	0.96
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.06	0.42	1.06
Juneau, AK	PM ₁₀	Moderate	100	-	0.01	0.05	0.14
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.29	2.18	5.49
Kalispell, MT	PM ₁₀	Moderate	100	-	0.02	0.14	0.36
Kansas City, MO-KS	Ozone	Maintenance	100	-	1.01	7.63	19.23
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.09	0.66	1.66
Kent, WA	PM ₁₀	Maintenance	100	-	0.02	0.12	0.31
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.05	0.36	0.91
Kewaunee County, WI	Ozone	Maintenance	100	-	0.01	0.10	0.26
King County, WA	PM ₁₀	Maintenance	100	-	0.01	0.05	0.12
Klamath Falls, OR	CO	Maintenance	100	-	0.03	0.21	0.53
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.03	0.21	0.53
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.74	5.61	14.15
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.57	4.28	10.79
La Porte County, IN	SO _x	Maintenance	100	-	0.02	0.14	0.36
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.01	0.07	0.17
Lake County, IN	SO _x	Maintenance	100	-	0.17	1.27	3.19
Lake County, OH	SO _x	Maintenance	100	-	0.02	0.15	0.39
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.03	0.06
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.02	0.16	0.40
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.05	0.35	0.89
Lake Tahoe, NV	CO	Maintenance	100	-	0.01	0.09	0.22
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.04	0.09
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
Lancaster, PA	Ozone	Maintenance	100	-	0.27	2.02	5.09
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.27	2.02	5.09
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.28	2.10	5.29
LaPorte, IN	Ozone	Maintenance	100	-	0.05	0.40	1.00
Las Vegas, NV	CO	Serious	100	-	0.98	7.40	18.65
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.99	7.49	18.88
Lauderdale County, AL	SO _x	Maintenance	100	-	0.05	0.37	0.92
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.01	0.02
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.02	0.04
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.02	0.06

Table B1-39
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Nonattainment Area	Pollutant	Status <u>b</u> /	General Conformity Threshold <u>c</u> /	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.05	0.14
Lima, OH	Ozone	Maintenance	100	-	-16.97	-31.92	-53.78
Longmont, CO	CO	Maintenance	100	-	0.06	0.44	1.12
Lorain County, OH	SO _x	Maintenance	100	-	0.03	0.20	0.51
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-38.85	-20.73	23.47
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	-38.85	-20.73	23.47
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-38.85	-20.73	23.47
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-38.85	-20.73	23.47
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-38.85	-20.73	23.46
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.43	3.25	8.19
Louisville, KY-IN	Ozone	Maintenance	100	-	0.64	4.86	12.25
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.62	4.66	11.74
Lowell, MA	CO	Maintenance	100	-	0.07	0.52	1.32
Lucas County, OH	SO _x	Maintenance	100	-	0.16	1.23	3.11
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.03	0.25	0.63
Macon, GA	Ozone	Maintenance	100	-	0.11	0.85	2.15
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.11	0.84	2.13
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.01	0.03
Madison, WI	SO _x	Maintenance	100	-	0.16	1.18	2.98
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.01	0.05	0.14
Manchester, NH	CO	Maintenance	100	-	0.04	0.32	0.80
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.06	0.43	1.08
Marion County, IN	SO _x	Maintenance	100	-	0.17	1.31	3.29
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.08	0.58	1.46
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.19	1.41	3.55
Mason County, MI	Ozone	Maintenance	100	-	0.02	0.12	0.30
Medford, OR	CO	Maintenance	100	-	0.05	0.38	0.97
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.12	0.92	2.32
Memphis, TN-AR	Ozone	Maintenance	100	-	-4.70	-5.82	-6.42
Memphis, TN	CO	Maintenance	100	-	-4.74	-6.13	-7.23
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.02	0.14	0.36
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.02	0.05
Milwaukee, WI	SO _x	Maintenance	100	-	0.29	2.22	5.60
Milwaukee-Racine, WI	Ozone	Moderate	50	-	1.05	7.93	20.01
Minneapolis-St Paul, MN	CO	Maintenance	100	-	1.74	13.12	33.09
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	1.69	12.75	32.15
Missoula, MT	CO	Maintenance	100	-	0.04	0.28	0.70
Missoula, MT	PM ₁₀	Moderate	100	-	0.04	0.27	0.68
Modesto, CA	CO	Maintenance	100	-	0.21	1.55	3.91

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.07	0.53	1.33
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.01	0.04
Morristown, NJ	CO	Maintenance	100	-	0.02	0.16	0.40
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.02	0.12	0.30
Muncie, IN	Ozone	Maintenance	100	-	0.06	0.46	1.15
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.02	0.05
Muscatine County, IA	SO _x	Maintenance	100	-	0.01	0.07	0.17
Muskegon, MI	Ozone	Maintenance	100	-	0.08	0.57	1.45
Nashua, NH	CO	Maintenance	100	-	0.03	0.25	0.64
Nashville, TN	Ozone	Former Subpart 1	50	-	1.00	7.54	19.03
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.10	0.77	1.93
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.09	0.66	1.67
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.44	3.35	8.44
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.02	0.06
New York County, NY	PM ₁₀	Moderate	100	-	0.25	1.87	4.71
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-1.00	23.38	67.59
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	1.10	50.91	140.28
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	1.02	50.34	138.82
Nogales, AZ	PM ₁₀	Moderate	100	-	0.02	0.19	0.47
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-18.08	-29.23	-43.93
Ogden, UT	CO	Maintenance	100	-	0.04	0.30	0.76
Ogden, UT	PM ₁₀	Moderate	100	-	0.04	0.30	0.76
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.01	0.09	0.22
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.07	0.51	1.29
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.02	0.05
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.08	0.61	1.54
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.08	0.62	1.56
Payson, AZ	PM ₁₀	Maintenance	100	-	0.01	0.09	0.23
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Peoria, IL	SO _x	Maintenance	100	-	0.05	0.41	1.05
Perth Amboy, NJ	CO	Maintenance	100	-	-1.98	-3.48	-5.57
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.21	1.58	3.98
Phildelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-26.89	-36.74	-46.48
Phildelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-25.75	-27.71	-23.58

Table B1-39
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
DPM 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Phoenix, AZ	CO	Maintenance	100	-	3.31	25.02	63.13
Phoenix, AZ	PM ₁₀	Serious	70	-	3.40	25.71	64.86
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	3.41	25.78	65.05
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.01	0.04	0.11
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Pittsburgh, PA	CO	Maintenance	100	-	0.02	0.12	0.29
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	1.12	8.48	21.40
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	1.02	7.74	19.54
Polk County, TN	SO _x	Maintenance	100	-	0.01	0.09	0.23
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.04
Portland, ME	Ozone	Maintenance	100	-	0.33	2.48	6.25
Portland, OR	CO	Maintenance	100	-	0.56	4.85	12.40
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.02	0.19	0.47
Poughkeepsie, NY	Ozone	Moderate	50	-	0.87	6.57	16.57
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.04	0.09
Providence (entire State), RI	Ozone	Moderate	50	-	0.59	4.44	11.19
Provo, UT	CO	Maintenance	100	-	0.10	0.79	1.98
Raleigh-Durham, NC	CO	Maintenance	100	-	0.82	6.16	15.55
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	1.11	8.38	21.13
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Reading, PA	Ozone	Maintenance	100	-	0.19	1.45	3.66
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.19	1.45	3.66
Reno, NV	CO	Maintenance	100	-	0.14	1.08	2.72
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.01	0.01
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.68	5.32	13.46
Rillito, AZ	PM ₁₀	Moderate	100	-	0.03	0.24	0.61
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.44	3.29	8.29
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.15	1.11	2.81
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.05	0.37	0.92
Rochester, NY	Ozone	Former Subpart 1	50	-	0.77	5.84	14.72
Rocky Mount, NC	Ozone	Maintenance	100	-	0.10	0.79	1.98
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.07	0.52	1.31
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.01	0.03
Sacramento County, CA	PM ₁₀	Moderate	100	-	1.00	7.51	18.94
Sacramento Metro, CA	Ozone	Severe	25	-	1.83	13.77	34.73
Sacramento, CA	CO	Maintenance	100	-	1.12	8.44	21.28
Salem, OR	CO	Maintenance	100	-	0.07	0.56	1.42

Table B1-39
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
DPM 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Salt Lake City, UT	CO	Maintenance	100	-	-4.62	-8.05	-12.86
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-4.13	-4.36	-3.54
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.62	4.66	11.76
San Antonio, TX	Ozone	Former Subpart 1	50	-	1.13	8.54	21.53
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.27	2.02	5.09
San Diego, CA	CO	Maintenance	100	-	2.71	20.41	51.47
San Diego, CA	Ozone	Former Subpart 1	50	-	2.71	20.44	51.57
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-35.22	-44.36	-50.34
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-34.71	-40.52	-40.64
San Joaquin Valley, CA	Ozone	Extreme	10	-	2.64	21.94	55.89
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	2.65	22.01	56.07
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	2.64	21.94	55.89
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.02	0.16	0.41
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.39	2.92	7.36
Seattle-Tacoma, WA	CO	Maintenance	100	-	1.83	13.82	34.85
Sheboygan, WI	Ozone	Moderate	50	-	0.07	0.54	1.35
Sheridan, WY	PM ₁₀	Moderate	100	-	0.01	0.09	0.24
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.01	0.08	0.20
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.26	1.97	4.98
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.07	0.63	1.60
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.18	1.37	3.45
Spokane, WA	CO	Maintenance	100	-	0.18	1.35	3.41
Springfield (western MA), MA	Ozone	Moderate	50	-	0.52	3.89	9.82
Springfield, MA	CO	Maintenance	100	-	0.09	0.65	1.64
St Louis, MO	CO	Maintenance	100	-	0.48	3.58	9.04
St Louis, MO-IL	Ozone	Moderate	50	-	-74.63	-132.50	-214.49
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-74.64	-132.59	-214.70
State College, PA	Ozone	Maintenance	100	-	0.10	0.79	2.00
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.01	0.10	0.24
Steubenville & Mingo Juction, OH	SO _x	Maintenance	100	-	0.02	0.17	0.43
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.08	0.13	0.54
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.08	0.13	0.54
Stockton, CA	CO	Maintenance	100	-	0.31	2.34	5.90
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.29	2.17	5.48
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Terre Haute, IN	Ozone	Maintenance	100	-	0.07	0.53	1.33

Table B1-39
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
DPM 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Tioga County, PA	Ozone	Maintenance	100	-	0.03	0.23	0.59
Toledo, OH	Ozone	Maintenance	100	-	-17.43	-31.40	-51.37
Toms River, NJ	CO	Maintenance	100	-	0.06	0.48	1.21
Tooele County, UT	SO _x	Nonattainment	100	-	0.06	0.46	1.15
Trenton, NJ	CO	Maintenance	100	-	0.05	0.39	0.99
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.02	0.04
Tucson, AZ	CO	Maintenance	100	-	0.62	4.67	11.78
Utah County, UT	PM ₁₀	Moderate	100	-	0.30	2.28	5.75
Vancouver, WA	CO	Maintenance	100	-	0.20	1.52	3.83
Ventura County, CA	Ozone	Serious	50	-	0.53	4.11	10.41
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.03	0.07
Vigo County, IN	SO _x	Maintenance	100	-	0.07	0.53	1.33
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.03	0.24	0.62
Warren County, NJ	SO _x	Maintenance	100	-	0.02	0.16	0.40
Warren County, PA	SO _x	Nonattainment	100	-	-0.01	0.03	0.10
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.12	0.92	2.32
Washington, DC-MD-VA	CO	Maintenance	100	-	0.93	7.02	17.70
Washington, DC-MD-VA	Ozone	Moderate	50	-	3.33	25.12	63.36
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	3.26	24.56	61.96
Washoe County, NV	PM ₁₀	Serious	70	-	0.14	1.08	2.72
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.02	0.04
Wayne County, IN	SO _x	Maintenance	100	-	0.04	0.28	0.71
Wayne County, MI	PM ₁₀	Maintenance	100	-	-8.07	-15.06	-25.24
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.04	0.09
Weirton, WV	SO _x	Maintenance	100	-	0.01	0.05	0.12
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.08	0.59	1.49
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.08	0.59	1.49
Winston-Salem, NC	CO	Maintenance	100	-	0.24	1.83	4.61
Worcester, MA	CO	Maintenance	100	-	0.14	1.02	2.58
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.06	0.42	1.05
Yakima, WA	CO	Maintenance	100	-	0.02	0.19	0.48
York, PA	Ozone	Maintenance	100	-	0.27	2.03	5.11
York, PA	PM _{2.5}	Nonattainment	100	-	0.21	1.57	3.96
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.34	2.59	6.54
Yuma, AZ	PM ₁₀	Moderate	100	-	0.12	0.89	2.25

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

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

c/ Emissions thresholds in tons/year of: VOC or NO_x in ozone NAAs; primary PM_{2.5} in PM_{2.5} NAAs. Source: 40 CFR 51.853. These thresholds

Table B1-39
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
DPM 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks

are provided for information only; a general conformity determination is not required for the proposed actions.
 Source: EPA, 2008.

Table B1-40
Emission Changes a by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
DPM 2060

Nonattainment Area	Pollutant	Status <u>b</u> /	General Conformity Threshold <u>c</u> /	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.01	0.03
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.03	0.07
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.03	0.07
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	1.06	8.38	20.88
Albuquerque, NM	CO	Maintenance	100	-	0.48	3.77	9.39
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.13	1.06	2.65
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.49	3.85	9.59
Altoona, PA	Ozone	Maintenance	100	-	0.07	0.57	1.42
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.19	1.51	3.78
Anchorage, AK	CO	Maintenance	100	-	0.13	1.02	2.54
Anthony, NM	PM ₁₀	Moderate	100	-	0.01	0.05	0.12
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.03	0.08
Aspen, CO	PM ₁₀	Maintenance	100	-	0.01	0.05	0.12
Atlanta, GA	Ozone	Moderate	50	-	6.02	47.41	118.19
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	6.02	47.42	118.23
Atlantic City, NJ	CO	Maintenance	100	-	0.04	0.31	0.77
Bakersfield, CA	CO	Maintenance	100	-	0.18	2.65	6.86
Baltimore, MD	CO	Maintenance	100	-	0.01	0.06	0.15
Baltimore, MD	Ozone	Moderate	50	-	2.59	20.43	50.94
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	2.59	20.43	50.94
Baton Rouge, LA	Ozone	Moderate	50	-	-12.68	-27.27	-53.72
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-41.98	-99.30	-202.13
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.01	0.02
Benton Harbor, MI	Ozone	Maintenance	100	-	0.12	0.97	2.42
Benzie County, MI	Ozone	Maintenance	100	-	0.02	0.18	0.46
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.13	1.01	2.52
Billings, MT	CO	Maintenance	100	-	-6.97	-16.43	-33.41
Birmingham, AL	Ozone	Maintenance	100	-	0.15	4.63	12.23
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.16	4.66	12.28
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.29	2.28	5.69
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.29	2.28	5.69
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.02	0.13	0.33
Boston, MA	CO	Maintenance	100	-	0.68	5.37	13.39
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	4.23	33.30	83.03
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.56	4.45	11.08
Boyd County (part), KY	SO _x	Maintenance	100	-	0.01	0.06	0.14
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.90	7.10	17.70
Burlington, NJ	CO	Maintenance	100	-	0.00	0.03	0.07

Table B1-40
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
DPM 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Butte, MT	PM ₁₀	Moderate	100	-	0.01	0.11	0.27
Canon City, CO	PM ₁₀	Maintenance	100	-	0.02	0.15	0.38
Canton-Massillon, OH	Ozone	Maintenance	100	-	-0.91	-0.99	-1.25
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-0.91	-0.99	-1.25
Case County, MI	Ozone	Maintenance	100	-	0.03	0.27	0.66
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.01	0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.03	0.08
Charleston, WV	Ozone	Maintenance	100	-	0.19	1.52	3.79
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.19	1.52	3.79
Charlotte, NC	CO	Maintenance	100	-	0.67	5.28	13.17
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	1.47	11.54	28.78
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.43	3.36	8.37
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.39	3.11	7.76
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-13.62	0.37	22.06
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-13.42	1.98	26.07
Chico, CA	CO	Maintenance	100	-	0.12	0.98	2.44
Chico, CA	Ozone	Former Subpart 1	50	-	0.26	2.05	5.11
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	1.63	12.82	31.96
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	1.57	12.41	30.93
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.01	0.07	0.16
Clark County, NV	PM ₁₀	Serious	70	-	1.49	11.73	29.25
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.23	1.81	4.52
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.14	1.11	2.76
Cleveland, OH	CO	Maintenance	100	-	0.63	4.99	12.44
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	1.99	15.66	39.03
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	1.82	14.32	35.69
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.68	5.37	13.38
Colbert County, AL	SO _x	Maintenance	100	-	0.04	0.31	0.78
Colorado Springs, CO	CO	Maintenance	100	-	0.55	4.36	10.88
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.01	0.04	0.10
Columbia, SC	Ozone	Former Subpart 1	50	-	0.54	4.25	10.60
Columbus, OH	Ozone	Maintenance	100	-	1.53	12.05	30.03
Columbus, OH	PM _{2.5}	Nonattainment	100	-	1.42	11.22	27.97
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.01	0.03
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.63	4.99	12.44
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.55	4.30	10.72
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	6.56	51.66	128.79
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.62	4.90	12.22

Table B1-40
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
DPM 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.55	4.30	10.73
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-5.87	0.89	11.48
Denver-Boulder, CO	CO	Maintenance	100	-	-5.99	-0.07	9.09
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-5.30	5.37	22.63
Detroit, MI	CO	Maintenance	100	-	-5.95	-8.91	-14.75
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-4.92	8.74	31.11
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-4.99	8.18	29.72
Door County, WI	Ozone	Former Subpart 1	50	-	0.03	0.26	0.64
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.03	0.21	0.53
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.02	0.18	0.44
Duluth, MN	CO	Maintenance	100	-	0.06	0.47	1.16
Eagle River, AK	PM ₁₀	Moderate	100	-	0.01	0.07	0.16
East Chicago, IN	CO	Maintenance	100	-	0.00	0.01	0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	-15.41	-36.21	-73.55
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.01	0.02
El Paso County, TX	PM ₁₀	Moderate	100	-	-4.29	-8.03	-14.97
El Paso, TX	CO	Maintenance	100	-	0.02	0.20	0.49
Erie, PA	Ozone	Maintenance	100	-	0.17	1.35	3.36
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.01	0.03
Eugene-Springfield, OR	CO	Maintenance	100	-	0.20	1.57	3.91
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.19	1.51	3.75
Evansville, IN	Ozone	Maintenance	100	-	0.20	1.58	3.95
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.25	2.00	4.99
Fairbanks, AK	CO	Maintenance	100	-	0.02	0.13	0.32
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.24	1.90	4.73
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.01	0.05	0.14
Flint, MI	Ozone	Maintenance	100	-	0.40	3.16	7.88
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Fort Collins, CO	CO	Maintenance	100	-	0.17	1.33	3.32
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	0.30	2.36	5.87
Franklin County, PA	Ozone	Maintenance	100	-	0.13	1.02	2.55
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.11	0.85	2.12
Fredericksburg, VA	Ozone	Maintenance	100	-	0.40	3.19	7.95
Freehold, NJ	CO	Maintenance	100	-	0.02	0.15	0.37
Fresno, CA	CO	Maintenance	100	-	0.54	4.27	10.64

Table B1-40
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Grand Rapids, MI	Ozone	Maintenance	100	-	0.72	5.64	14.06
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.03	0.22	0.54
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.01	0.03
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.01
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.03	0.25	0.63
Great Falls, MT	CO	Maintenance	100	-	0.01	0.10	0.24
Greater Connecticut, CT	Ozone	Moderate	50	-	1.27	10.03	25.01
Greeley, CO	CO	Maintenance	100	-	0.11	0.87	2.17
Green Bay, WI	SO _x	Maintenance	100	-	0.10	0.81	2.01
Greene County, IN	Ozone	Maintenance	100	-	0.04	0.31	0.78
Greene County, PA	Ozone	Maintenance	100	-	0.03	0.27	0.68
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	1.29	10.17	25.36
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.63	4.94	12.31
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.68	5.38	13.41
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.02	0.14	0.35
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.09	0.75	1.86
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.75	5.88	14.66
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.69	5.42	13.50
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.80	6.32	15.76
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.01	0.08	0.19
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.04	0.30	0.75
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.03	0.08
Hazelwood, PA	SO _x	Maintenance	100	-	0.03	0.26	0.64
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.13	1.03	2.57
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.22	1.77	4.40
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.01	0.03
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-59.65	-116.60	-221.35
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.02	0.04
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-8.30	-18.73	-37.56
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-8.41	-19.60	-39.71
Huron County, MI	Ozone	Maintenance	100	-	0.02	0.17	0.42
Imperial County, CA	Ozone	Moderate	50	-	0.21	1.69	4.21
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.21	1.66	4.13
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.03	0.20	0.49
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.01
Indianapolis, IN	Ozone	Maintenance	100	-	1.74	13.67	34.09
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	1.38	10.88	27.13
Jackson County, IN	Ozone	Maintenance	100	-	0.06	0.49	1.21
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.12	0.95	2.37

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Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Jefferson County, NY	Ozone	Moderate	50	-	0.10	0.77	1.93
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.04	0.09
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.16	1.29	3.22
Johnstown, PA	Ozone	Maintenance	100	-	0.06	0.47	1.18
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.07	0.52	1.30
Juneau, AK	PM ₁₀	Moderate	100	-	0.01	0.09	0.22
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.39	3.10	7.74
Kalispell, MT	PM ₁₀	Moderate	100	-	0.03	0.22	0.55
Kansas City, MO-KS	Ozone	Maintenance	100	-	1.45	11.44	28.52
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.13	0.99	2.48
Kent, WA	PM ₁₀	Maintenance	100	-	0.02	0.19	0.48
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.07	0.52	1.29
Kewaunee County, WI	Ozone	Maintenance	100	-	0.02	0.15	0.37
King County, WA	PM ₁₀	Maintenance	100	-	0.01	0.07	0.18
Klamath Falls, OR	CO	Maintenance	100	-	0.04	0.30	0.74
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.04	0.30	0.74
Knoxville, TN	Ozone	Former Subpart 1	50	-	1.10	8.63	21.51
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.83	6.50	16.22
La Porte County, IN	SO _x	Maintenance	100	-	0.02	0.19	0.48
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.01	0.09	0.24
Lake County, IN	SO _x	Maintenance	100	-	0.22	1.74	4.34
Lake County, OH	SO _x	Maintenance	100	-	0.03	0.22	0.54
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.04	0.09
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.03	0.27	0.68
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.08	0.62	1.55
Lake Tahoe, NV	CO	Maintenance	100	-	0.02	0.13	0.31
Lamar, CO	PM ₁₀	Maintenance	100	-	0.01	0.05	0.13
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Lancaster, PA	Ozone	Maintenance	100	-	0.38	2.98	7.43
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.38	2.98	7.43
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.39	3.04	7.58
LaPorte, IN	Ozone	Maintenance	100	-	0.07	0.54	1.34
Las Vegas, NV	CO	Serious	100	-	1.49	11.73	29.25
Las Vegas, NV	Ozone	Former Subpart 1	50	-	1.50	11.85	29.55
Lauderdale County, AL	SO _x	Maintenance	100	-	0.06	0.51	1.27
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.01	0.03
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.02	0.06
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.03	0.08

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Emission Changes a by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
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Nonattainment Area	Pollutant	Status <u>b</u> /	General Conformity Threshold <u>c</u> /	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.07	0.16
Lima, OH	Ozone	Maintenance	100	-	-10.73	-25.35	-51.59
Longmont, CO	CO	Maintenance	100	-	0.09	0.71	1.76
Lorain County, OH	SO _x	Maintenance	100	-	0.04	0.29	0.74
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-16.94	34.26	118.32
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	-16.94	34.26	118.32
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-16.94	34.26	118.32
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-16.94	34.26	118.32
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-16.94	34.25	118.31
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.63	4.98	12.42
Louisville, KY-IN	Ozone	Maintenance	100	-	0.88	6.91	17.23
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.83	6.57	16.38
Lowell, MA	CO	Maintenance	100	-	0.10	0.80	1.99
Lucas County, OH	SO _x	Maintenance	100	-	0.21	1.69	4.20
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.04	0.34	0.86
Macon, GA	Ozone	Maintenance	100	-	0.15	1.16	2.88
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.14	1.14	2.84
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.02	0.04
Madison, WI	SO _x	Maintenance	100	-	0.24	1.85	4.62
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.01	0.10	0.24
Manchester, NH	CO	Maintenance	100	-	0.05	0.41	1.03
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.08	0.60	1.50
Marion County, IN	SO _x	Maintenance	100	-	0.23	1.80	4.50
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.12	0.94	2.35
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.26	2.05	5.12
Mason County, MI	Ozone	Maintenance	100	-	0.02	0.17	0.43
Medford, OR	CO	Maintenance	100	-	0.08	0.61	1.52
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.19	1.47	3.66
Memphis, TN-AR	Ozone	Maintenance	100	-	-2.60	-2.24	-2.01
Memphis, TN	CO	Maintenance	100	-	-2.65	-2.66	-3.05
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.03	0.22	0.56
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.03	0.07
Milwaukee, WI	SO _x	Maintenance	100	-	0.40	3.12	7.78
Milwaukee-Racine, WI	Ozone	Moderate	50	-	1.48	11.64	29.03
Minneapolis-St Paul, MN	CO	Maintenance	100	-	2.49	19.60	48.87
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	2.42	19.03	47.44
Missoula, MT	CO	Maintenance	100	-	0.05	0.41	1.03
Missoula, MT	PM ₁₀	Moderate	100	-	0.05	0.40	1.00
Modesto, CA	CO	Maintenance	100	-	0.31	2.47	6.15

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.11	0.85	2.13
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.01	0.03
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.02	0.05
Morristown, NJ	CO	Maintenance	100	-	0.03	0.26	0.65
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.02	0.16	0.41
Muncie, IN	Ozone	Maintenance	100	-	0.08	0.60	1.49
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.04	0.09
Muscatine County, IA	SO _x	Maintenance	100	-	0.01	0.10	0.25
Muskegon, MI	Ozone	Maintenance	100	-	0.11	0.84	2.10
Nashua, NH	CO	Maintenance	100	-	0.04	0.34	0.84
Nashville, TN	Ozone	Former Subpart 1	50	-	1.45	11.38	28.38
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.16	1.30	3.24
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.13	1.05	2.63
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.60	4.71	11.75
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.03	0.09
New York County, NY	PM ₁₀	Moderate	100	-	0.32	2.54	6.33
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	2.66	39.97	103.38
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	7.22	83.14	212.42
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	7.11	82.27	210.24
Nogales, AZ	PM ₁₀	Moderate	100	-	0.04	0.28	0.69
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-10.80	-19.09	-34.65
Ogden, UT	CO	Maintenance	100	-	0.05	0.42	1.06
Ogden, UT	PM ₁₀	Moderate	100	-	0.05	0.42	1.06
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	0.03
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.01	0.11	0.28
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.10	0.80	1.99
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.04	0.09
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.11	0.86	2.14
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.11	0.86	2.15
Payson, AZ	PM ₁₀	Maintenance	100	-	0.02	0.14	0.35
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Peoria, IL	SO _x	Maintenance	100	-	0.07	0.58	1.44
Perth Amboy, NJ	CO	Maintenance	100	-	-1.21	-2.46	-4.74
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.27	2.11	5.27
Philidelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-15.19	-17.43	-23.40
Philidelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-13.54	-4.18	9.69

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Phoenix, AZ	CO	Maintenance	100	-	5.31	41.84	104.31
Phoenix, AZ	PM ₁₀	Serious	70	-	5.44	42.90	106.96
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	5.45	43.00	107.22
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.01	0.06	0.14
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
Pittsburgh, PA	CO	Maintenance	100	-	0.03	0.21	0.51
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	1.51	11.92	29.72
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	1.38	10.88	27.14
Polk County, TN	SO _x	Maintenance	100	-	0.02	0.13	0.32
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.02	0.06
Portland, ME	Ozone	Maintenance	100	-	0.46	3.60	8.99
Portland, OR	CO	Maintenance	100	-	0.86	7.12	17.82
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.03	0.26	0.65
Poughkeepsie, NY	Ozone	Moderate	50	-	1.30	10.24	25.54
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.01	0.05	0.13
Providence (entire State), RI	Ozone	Moderate	50	-	0.84	6.58	16.40
Provo, UT	CO	Maintenance	100	-	0.16	1.22	3.05
Raleigh-Durham, NC	CO	Maintenance	100	-	1.20	9.48	23.64
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	1.63	12.86	32.05
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.01	0.03
Reading, PA	Ozone	Maintenance	100	-	0.26	2.09	5.20
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.26	2.09	5.20
Reno, NV	CO	Maintenance	100	-	0.20	1.57	3.92
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.01	0.02
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.97	7.74	19.32
Rillito, AZ	PM ₁₀	Moderate	100	-	0.05	0.39	0.98
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.68	5.37	13.38
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.20	1.57	3.91
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.07	0.54	1.35
Rochester, NY	Ozone	Former Subpart 1	50	-	1.07	8.41	20.97
Rocky Mount, NC	Ozone	Maintenance	100	-	0.14	1.10	2.75
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.09	0.74	1.85
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.01	0.04
Sacramento County, CA	PM ₁₀	Moderate	100	-	1.53	12.08	30.10
Sacramento Metro, CA	Ozone	Severe	25	-	2.84	22.41	55.86
Sacramento, CA	CO	Maintenance	100	-	1.73	13.59	33.88
Salem, OR	CO	Maintenance	100	-	0.10	0.80	2.00

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Salt Lake City, UT	CO	Maintenance	100	-	-2.83	-5.79	-11.20
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-2.13	-0.30	2.48
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.88	6.94	17.30
San Antonio, TX	Ozone	Former Subpart 1	50	-	1.63	12.85	32.03
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.38	3.03	7.54
San Diego, CA	CO	Maintenance	100	-	4.10	32.32	80.58
San Diego, CA	Ozone	Former Subpart 1	50	-	4.11	32.38	80.74
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-19.00	-13.43	-6.74
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-18.29	-7.78	7.35
San Joaquin Valley, CA	Ozone	Extreme	10	-	4.36	35.59	88.98
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	4.37	35.67	89.18
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	4.36	35.59	88.98
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.03	0.25	0.63
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.53	4.21	10.49
Seattle-Tacoma, WA	CO	Maintenance	100	-	2.65	20.89	52.09
Sheboygan, WI	Ozone	Moderate	50	-	0.10	0.80	1.99
Sheridan, WY	PM ₁₀	Moderate	100	-	0.02	0.13	0.33
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.01	0.12	0.29
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.36	2.85	7.09
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.09	0.74	1.86
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.26	2.06	5.13
Spokane, WA	CO	Maintenance	100	-	0.26	2.03	5.07
Springfield (western MA), MA	Ozone	Moderate	50	-	0.71	5.61	14.00
Springfield, MA	CO	Maintenance	100	-	0.13	0.99	2.46
St Louis, MO	CO	Maintenance	100	-	0.59	4.65	11.59
St Louis, MO-IL	Ozone	Moderate	50	-	-46.20	-98.93	-194.62
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-46.21	-99.05	-194.91
State College, PA	Ozone	Maintenance	100	-	0.15	1.20	2.99
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.02	0.16	0.39
Steubenville & Mingo Juction, OH	SO _x	Maintenance	100	-	0.03	0.23	0.57
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.02	0.31	0.86
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.02	0.31	0.86
Stockton, CA	CO	Maintenance	100	-	0.49	3.83	9.55
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.39	3.05	7.60
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.02	0.04
Terre Haute, IN	Ozone	Maintenance	100	-	0.09	0.70	1.73

Table B1-40
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
DPM 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Tioga County, PA	Ozone	Maintenance	100	-	0.04	0.32	0.79
Toledo, OH	Ozone	Maintenance	100	-	-10.85	-23.84	-47.33
Toms River, NJ	CO	Maintenance	100	-	0.10	0.77	1.91
Tooele County, UT	SO _x	Nonattainment	100	-	0.09	0.68	1.70
Trenton, NJ	CO	Maintenance	100	-	0.07	0.58	1.45
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.03	0.06
Tucson, AZ	CO	Maintenance	100	-	0.91	7.16	17.84
Utah County, UT	PM ₁₀	Moderate	100	-	0.44	3.49	8.71
Vancouver, WA	CO	Maintenance	100	-	0.30	2.38	5.94
Ventura County, CA	Ozone	Serious	50	-	0.83	6.58	16.43
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.04	0.10
Vigo County, IN	SO _x	Maintenance	100	-	0.09	0.70	1.73
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.04	0.35	0.88
Warren County, NJ	SO _x	Maintenance	100	-	0.03	0.24	0.59
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.05	0.14
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.17	1.32	3.28
Washington, DC-MD-VA	CO	Maintenance	100	-	1.35	10.67	26.60
Washington, DC-MD-VA	Ozone	Moderate	50	-	4.85	38.23	95.30
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	4.74	37.34	93.10
Washoe County, NV	PM ₁₀	Serious	70	-	0.20	1.57	3.92
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.02	0.06
Wayne County, IN	SO _x	Maintenance	100	-	0.05	0.37	0.93
Wayne County, MI	PM ₁₀	Maintenance	100	-	-5.27	-12.12	-24.44
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.04	0.10
Weirton, WV	SO _x	Maintenance	100	-	0.01	0.05	0.14
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.10	0.78	1.94
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.10	0.78	1.94
Winston-Salem, NC	CO	Maintenance	100	-	0.34	2.68	6.68
Worcester, MA	CO	Maintenance	100	-	0.20	1.59	3.97
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.08	0.62	1.53
Yakima, WA	CO	Maintenance	100	-	0.04	0.30	0.76
York, PA	Ozone	Maintenance	100	-	0.38	3.03	7.55
York, PA	PM _{2.5}	Nonattainment	100	-	0.30	2.34	5.84
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.44	3.49	8.71
Yuma, AZ	PM ₁₀	Moderate	100	-	0.18	1.39	3.47

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

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

c/ Emissions thresholds in tons/year of: VOC or NO_x in ozone NAAs; primary PM_{2.5} in PM_{2.5} NAAs. Source: 40 CFR 51.853. These thresholds

Table B1-40
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
DPM 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks

are provided for information only; a general conformity determination is not required for the proposed actions.
 Source: EPA, 2008.

Table B1-41
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Formaldehyde 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.05	0.12	0.84
Albuquerque, NM	CO	Maintenance	100	-	0.02	0.06	0.39
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.01	0.01	0.09
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.02	0.06	0.39
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.01	0.07
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.10
Anchorage, AK	CO	Maintenance	100	-	0.01	0.01	0.09
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	0.24	0.64	4.34
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.24	0.64	4.34
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.01	0.03
Bakersfield, CA	CO	Maintenance	100	-	-0.01	0.00	0.20
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.01
Baltimore, MD	Ozone	Moderate	50	-	0.11	0.29	1.95
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.11	0.29	1.95
Baton Rouge, LA	Ozone	Moderate	50	-	-0.61	-0.85	-1.40
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-2.20	-3.18	-6.29
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.01	0.02	0.12
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.01	0.01	0.10
Billings, MT	CO	Maintenance	100	-	0.00	0.01	0.05
Birmingham, AL	Ozone	Maintenance	100	-	0.04	0.10	0.68
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.04	0.10	0.68
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.01	0.03	0.21
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.01	0.03	0.21
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Boston, MA	CO	Maintenance	100	-	0.03	0.08	0.57
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.19	0.50	3.36
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.02	0.06	0.42
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.00	-0.00	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.04	0.11	0.77
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.01

Table B1-41
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Formaldehyde 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.01	0.03	0.20
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.20
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.03
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.01	0.03	0.19
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.19
Charlotte, NC	CO	Maintenance	100	-	0.03	0.07	0.48
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.06	0.16	1.07
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.02	0.05	0.36
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.02	0.05	0.33
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.24	0.65	4.56
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.24	0.68	4.71
Chico, CA	CO	Maintenance	100	-	0.00	0.01	0.07
Chico, CA	Ozone	Former Subpart 1	50	-	0.01	0.02	0.16
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.07	0.19	1.30
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.07	0.19	1.26
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Clark County, NV	PM ₁₀	Serious	70	-	0.05	0.14	0.95
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.01	0.02	0.17
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.01	0.02	0.12
Cleveland, OH	CO	Maintenance	100	-	0.04	0.09	0.64
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.10	0.25	1.71
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.09	0.23	1.58
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.02	0.06	0.40
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.01	0.04
Colorado Springs, CO	CO	Maintenance	100	-	0.02	0.06	0.38
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.02	0.06	0.43
Columbus, OH	Ozone	Maintenance	100	-	0.06	0.16	1.09
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.06	0.15	1.01
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.04	0.09	0.64
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.03	0.08	0.52
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.25	0.66	4.47
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.03	0.08	0.56

Table B1-41
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Formaldehyde 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.03	0.07	0.50
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.11	0.29	1.92
Denver-Boulder, CO	CO	Maintenance	100	-	0.10	0.27	1.84
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.13	0.34	2.32
Detroit, MI	CO	Maintenance	100	-	0.06	0.16	1.08
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.17	0.45	3.05
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.17	0.44	3.00
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.02
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.02
Duluth, MN	CO	Maintenance	100	-	0.00	0.01	0.05
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.01	0.02	0.14
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.02	0.05	0.32
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.02
Erie, PA	Ozone	Maintenance	100	-	0.01	0.02	0.15
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.01	0.02	0.15
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.01	0.02	0.14
Evansville, IN	Ozone	Maintenance	100	-	0.01	0.02	0.17
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.22
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.01
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.01	0.03	0.19
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	0.02	0.05	0.35
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.01	0.02	0.11
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.01	0.04	0.24
Franklin County, PA	Ozone	Maintenance	100	-	0.01	0.01	0.10
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.09
Fredericksburg, VA	Ozone	Maintenance	100	-	0.01	0.04	0.26
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Fresno, CA	CO	Maintenance	100	-	0.02	0.06	0.38

Table B1-41
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Formaldehyde 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Grand Rapids, MI	Ozone	Maintenance	100	-	0.03	0.08	0.53
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.01
Greater Connecticut, CT	Ozone	Moderate	50	-	0.06	0.16	1.09
Greeley, CO	CO	Maintenance	100	-	0.00	0.01	0.08
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.01	0.08
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.03
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.03
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.06	0.16	1.08
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.03	0.08	0.53
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.03	0.09	0.60
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.01	0.08
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.03	0.08	0.56
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.08	0.51
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.04	0.11	0.71
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.01
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	0.03
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.12
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.01	0.03	0.20
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-6.05	-8.55	-14.84
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.02	0.18
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-0.00	0.01	0.09
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.02
Imperial County, CA	Ozone	Moderate	50	-	0.01	0.02	0.14
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.01	0.02	0.14
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.07	0.19	1.31
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.06	0.15	1.04
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.01	0.05
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.01	0.02	0.10

Table B1-41
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Formaldehyde 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.01	0.08
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.01	0.02	0.14
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.01	0.07
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.08
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.02	0.05	0.34
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.06	0.16	1.09
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.01	0.01	0.09
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.05
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.02
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	0.03
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.04	0.11	0.77
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.03	0.09	0.60
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.02
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Lake County, IN	SO _x	Maintenance	100	-	0.01	0.03	0.20
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.02
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.02
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.01	0.04
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.01
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.02	0.04	0.30
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.04	0.30
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.02	0.05	0.31
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.01	0.07
Las Vegas, NV	CO	Serious	100	-	0.05	0.14	0.95
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.05	0.14	0.97
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.01	0.06
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00

Table B1-41
Emission Changes a by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Formaldehyde 2021

Nonattainment Area	Pollutant	Status <u>b</u> /	General Conformity Threshold <u>c</u> /	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Lima, OH	Ozone	Maintenance	100	-	0.00	0.01	0.07
Longmont, CO	CO	Maintenance	100	-	0.00	0.01	0.06
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.03
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.52	1.42	9.79
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	0.52	1.42	9.79
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.52	1.42	9.79
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.52	1.42	9.79
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.52	1.42	9.79
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.02	0.07	0.45
Louisville, KY-IN	Ozone	Maintenance	100	-	0.04	0.11	0.75
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.04	0.11	0.73
Lowell, MA	CO	Maintenance	100	-	0.00	0.01	0.07
Lucas County, OH	SO _x	Maintenance	100	-	0.01	0.03	0.20
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	0.04
Macon, GA	Ozone	Maintenance	100	-	0.01	0.02	0.14
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.14
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.01	0.02	0.16
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Manchester, NH	CO	Maintenance	100	-	0.00	0.01	0.05
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.01	0.07
Marion County, IN	SO _x	Maintenance	100	-	0.01	0.03	0.21
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.07
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.21
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.02
Medford, OR	CO	Maintenance	100	-	0.00	0.01	0.05
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.01	0.02	0.12
Memphis, TN-AR	Ozone	Maintenance	100	-	0.03	0.09	0.65
Memphis, TN	CO	Maintenance	100	-	0.03	0.08	0.60
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.02
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.02	0.05	0.35
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.06	0.17	1.17
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-0.00	0.13	1.57
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.10	0.27	1.83
Missoula, MT	CO	Maintenance	100	-	0.00	0.01	0.04
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.04
Modesto, CA	CO	Maintenance	100	-	0.01	0.03	0.19

Table B1-41
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Formaldehyde 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.01	0.07
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	0.02
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.02
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.01	0.08
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.01
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.01	0.09
Nashua, NH	CO	Maintenance	100	-	0.00	0.01	0.04
Nashville, TN	Ozone	Former Subpart 1	50	-	0.03	0.11	0.97
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.09
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.01	0.09
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.03	0.08	0.52
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.02	0.05	0.31
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.29	0.77	5.19
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.54	1.45	9.81
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.54	1.44	9.73
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.06	0.15	1.04
Ogden, UT	CO	Maintenance	100	-	0.00	0.01	0.05
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.01	0.05
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.07
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.01	0.01	0.10
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.10
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.01	0.07
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.01	0.05
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.01	0.04	0.26
Phildelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-0.65	-0.75	0.54
Phildelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-0.57	-0.54	1.91

Table B1-41
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Formaldehyde 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Phoenix, AZ	CO	Maintenance	100	-	0.16	0.43	2.89
Phoenix, AZ	PM ₁₀	Serious	70	-	0.17	0.44	2.98
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.17	0.44	2.99
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.01
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.07	0.20	1.34
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.07	0.18	1.22
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.02	0.05	0.37
Portland, OR	CO	Maintenance	100	-	0.03	0.09	0.72
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Poughkeepsie, NY	Ozone	Moderate	50	-	0.05	0.13	0.87
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Providence (entire State), RI	Ozone	Moderate	50	-	0.04	0.10	0.64
Provo, UT	CO	Maintenance	100	-	0.01	0.02	0.10
Raleigh-Durham, NC	CO	Maintenance	100	-	0.05	0.12	0.84
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.06	0.17	1.15
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.01	0.03	0.22
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.22
Reno, NV	CO	Maintenance	100	-	0.01	0.02	0.16
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.04	0.12	0.81
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.02	0.06	0.40
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.01	0.03	0.17
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.01	0.05
Rochester, NY	Ozone	Former Subpart 1	50	-	0.05	0.13	0.89
Rocky Mount, NC	Ozone	Maintenance	100	-	0.01	0.02	0.12
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.08
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.05	0.14	0.94
Sacramento Metro, CA	Ozone	Severe	25	-	0.09	0.25	1.67
Sacramento, CA	CO	Maintenance	100	-	0.06	0.15	1.04
Salem, OR	CO	Maintenance	100	-	0.00	0.01	0.09

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Formaldehyde 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Salt Lake City, UT	CO	Maintenance	100	-	0.00	0.01	0.12
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.03	0.09	0.66
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.04	0.10	0.67
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.07	0.18	1.21
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.02	0.04	0.28
San Diego, CA	CO	Maintenance	100	-	0.15	0.39	2.63
San Diego, CA	Ozone	Former Subpart 1	50	-	0.15	0.39	2.64
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-0.79	-0.87	1.11
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-0.76	-0.79	1.67
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.13	0.38	2.78
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.13	0.39	2.80
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.13	0.38	2.78
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.02
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.02	0.07	0.44
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.07	0.23	1.82
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.01	0.08
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.02	0.04	0.30
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.01	0.02	0.12
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.01	0.03	0.19
Spokane, WA	CO	Maintenance	100	-	0.01	0.03	0.19
Springfield (western MA), MA	Ozone	Moderate	50	-	0.03	0.09	0.59
Springfield, MA	CO	Maintenance	100	-	0.01	0.01	0.09
St Louis, MO	CO	Maintenance	100	-	0.03	0.09	0.63
St Louis, MO-IL	Ozone	Moderate	50	-	0.11	0.29	1.98
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.11	0.29	1.96
State College, PA	Ozone	Maintenance	100	-	0.01	0.02	0.11
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	0.03
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.01	0.07
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.07
Stockton, CA	CO	Maintenance	100	-	0.02	0.04	0.29
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.02	0.05	0.34
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.01	0.09

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.01	0.04
Toledo, OH	Ozone	Maintenance	100	-	0.02	0.05	0.37
Toms River, NJ	CO	Maintenance	100	-	0.00	0.01	0.06
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.01	0.07
Trenton, NJ	CO	Maintenance	100	-	0.00	0.01	0.06
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.04	0.09	0.64
Utah County, UT	PM ₁₀	Moderate	100	-	0.02	0.05	0.31
Vancouver, WA	CO	Maintenance	100	-	0.01	0.03	0.20
Ventura County, CA	Ozone	Serious	50	-	0.03	0.08	0.53
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.09
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.01	0.04
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	0.02
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.01
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.01	0.02	0.14
Washington, DC-MD-VA	CO	Maintenance	100	-	0.06	0.15	1.03
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.19	0.52	3.49
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.19	0.51	3.42
Washoe County, NV	PM ₁₀	Serious	70	-	0.01	0.02	0.16
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.05
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.01	0.05
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.01
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.01	0.02	0.10
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.10
Winston-Salem, NC	CO	Maintenance	100	-	0.01	0.04	0.27
Worcester, MA	CO	Maintenance	100	-	0.01	0.02	0.14
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.06
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	0.02
York, PA	Ozone	Maintenance	100	-	0.02	0.04	0.29
York, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.23
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.02	0.06	0.43
Yuma, AZ	PM ₁₀	Moderate	100	-	0.01	0.02	0.12

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

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

c/ Emissions thresholds in tons/year of: VOC or NO_x in ozone NAAs; primary PM_{2.5} in PM_{2.5} NAAs. Source: 40 CFR 51.853. These thresholds

Table B1-41
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Formaldehyde 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks

are provided for information only; a general conformity determination is not required for the proposed actions.
 Source: EPA, 2008.

Table B1-42
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Formaldehyde 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.19	0.72	2.36
Albuquerque, NM	CO	Maintenance	100	-	0.09	0.33	1.09
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.02	0.08	0.27
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.09	0.33	1.10
Altoona, PA	Ozone	Maintenance	100	-	0.01	0.06	0.19
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.02	0.09	0.31
Anchorage, AK	CO	Maintenance	100	-	0.02	0.08	0.26
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.01
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Atlanta, GA	Ozone	Moderate	50	-	0.97	3.77	12.38
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.97	3.77	12.39
Atlantic City, NJ	CO	Maintenance	100	-	0.01	0.03	0.09
Bakersfield, CA	CO	Maintenance	100	-	-0.01	0.14	0.62
Baltimore, MD	CO	Maintenance	100	-	0.00	0.01	0.02
Baltimore, MD	Ozone	Moderate	50	-	0.43	1.68	5.53
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.43	1.68	5.53
Baton Rouge, LA	Ozone	Moderate	50	-	-1.49	-2.09	-2.98
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-5.52	-8.49	-14.32
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.03	0.10	0.33
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.01	0.04
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.02	0.08	0.27
Billings, MT	CO	Maintenance	100	-	0.01	0.04	0.13
Birmingham, AL	Ozone	Maintenance	100	-	0.15	0.57	1.87
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.15	0.57	1.88
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.05	0.18	0.60
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.05	0.18	0.60
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.01	0.03
Boston, MA	CO	Maintenance	100	-	0.12	0.48	1.58
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.74	2.87	9.44
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.09	0.37	1.20
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.00	0.00	0.01
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.17	0.65	2.13
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.02

Table B1-42
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Formaldehyde 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.04
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	0.04
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.04	0.17	0.54
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.04	0.17	0.54
Case County, MI	Ozone	Maintenance	100	-	0.01	0.02	0.08
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.01
Charleston, WV	Ozone	Maintenance	100	-	0.04	0.16	0.51
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.04	0.16	0.51
Charlotte, NC	CO	Maintenance	100	-	0.11	0.41	1.36
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.24	0.93	3.04
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.08	0.31	1.01
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.07	0.28	0.92
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.97	3.89	12.91
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	1.01	4.03	13.36
Chico, CA	CO	Maintenance	100	-	0.02	0.06	0.20
Chico, CA	Ozone	Former Subpart 1	50	-	0.04	0.14	0.46
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.28	1.11	3.64
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.28	1.07	3.53
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.03
Clark County, NV	PM ₁₀	Serious	70	-	0.22	0.85	2.78
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.04	0.15	0.48
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.03	0.10	0.33
Cleveland, OH	CO	Maintenance	100	-	0.14	0.53	1.73
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.37	1.45	4.75
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.34	1.33	4.38
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.09	0.36	1.18
Colbert County, AL	SO _x	Maintenance	100	-	0.01	0.03	0.11
Colorado Springs, CO	CO	Maintenance	100	-	0.09	0.33	1.09
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Columbia, SC	Ozone	Former Subpart 1	50	-	0.09	0.37	1.20
Columbus, OH	Ozone	Maintenance	100	-	0.24	0.95	3.11
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.23	0.88	2.88
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.01
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.14	0.53	1.73
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.11	0.43	1.41
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	1.01	3.93	12.89
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.12	0.47	1.54

Table B1-42
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Formaldehyde 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.11	0.42	1.36
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.43	1.68	5.52
Denver-Boulder, CO	CO	Maintenance	100	-	0.41	1.61	5.28
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.52	2.03	6.65
Detroit, MI	CO	Maintenance	100	-	0.23	0.89	2.94
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.67	2.60	8.55
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.66	2.55	8.39
Door County, WI	Ozone	Former Subpart 1	50	-	0.01	0.02	0.07
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.01	0.02	0.07
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.02	0.05
Duluth, MN	CO	Maintenance	100	-	0.01	0.05	0.15
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.03	0.12	0.38
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.07	0.27	0.90
El Paso, TX	CO	Maintenance	100	-	0.00	0.02	0.06
Erie, PA	Ozone	Maintenance	100	-	0.03	0.13	0.42
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.03	0.13	0.43
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.03	0.12	0.41
Evansville, IN	Ozone	Maintenance	100	-	0.04	0.14	0.47
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.05	0.18	0.60
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.01	0.03
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.04	0.17	0.55
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Flint, MI	Ozone	Maintenance	100	-	0.08	0.29	0.96
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.03	0.10	0.33
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.05	0.21	0.67
Franklin County, PA	Ozone	Maintenance	100	-	0.02	0.09	0.28
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.02	0.07	0.24
Fredericksburg, VA	Ozone	Maintenance	100	-	0.06	0.23	0.77
Freehold, NJ	CO	Maintenance	100	-	0.00	0.01	0.03
Fresno, CA	CO	Maintenance	100	-	0.09	0.33	1.09

Table B1-42
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Formaldehyde 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Grand Rapids, MI	Ozone	Maintenance	100	-	0.12	0.46	1.50
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.01	0.02	0.08
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.02	0.06
Great Falls, MT	CO	Maintenance	100	-	0.00	0.01	0.04
Greater Connecticut, CT	Ozone	Moderate	50	-	0.24	0.92	3.04
Greeley, CO	CO	Maintenance	100	-	0.02	0.07	0.23
Green Bay, WI	SO _x	Maintenance	100	-	0.02	0.07	0.23
Greene County, IN	Ozone	Maintenance	100	-	0.01	0.03	0.09
Greene County, PA	Ozone	Maintenance	100	-	0.01	0.03	0.08
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.24	0.91	3.00
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.12	0.45	1.48
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.13	0.50	1.66
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.01	0.04
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.02	0.06	0.21
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.12	0.48	1.58
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.11	0.44	1.46
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.15	0.60	1.96
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.01	0.02
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.01	0.02	0.07
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.01
Hazelwood, PA	SO _x	Maintenance	100	-	0.01	0.02	0.07
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.03	0.10	0.33
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.04	0.16	0.54
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-14.93	-21.43	-32.10
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.03	0.14	0.51
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.01	0.07	0.26
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.02	0.05
Imperial County, CA	Ozone	Moderate	50	-	0.03	0.12	0.41
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.03	0.12	0.40
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.02	0.06
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.29	1.13	3.70
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.23	0.89	2.94
Jackson County, IN	Ozone	Maintenance	100	-	0.01	0.04	0.15
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.02	0.09	0.29

Table B1-42
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Formaldehyde 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Jefferson County, NY	Ozone	Moderate	50	-	0.02	0.07	0.23
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.03	0.12	0.40
Johnstown, PA	Ozone	Maintenance	100	-	0.01	0.06	0.19
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.06	0.20
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.07	0.28	0.93
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.02	0.05
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.24	0.94	3.08
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.02	0.08	0.27
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.04
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.01	0.05	0.15
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.01	0.05
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Klamath Falls, OR	CO	Maintenance	100	-	0.01	0.03	0.09
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.01	0.03	0.09
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.17	0.67	2.20
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.13	0.52	1.70
La Porte County, IN	SO _x	Maintenance	100	-	0.01	0.02	0.06
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.03
Lake County, IN	SO _x	Maintenance	100	-	0.04	0.17	0.56
Lake County, OH	SO _x	Maintenance	100	-	0.01	0.02	0.07
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.02	0.05
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.01	0.04	0.12
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.01	0.04
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.07	0.25	0.83
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.07	0.25	0.83
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.07	0.27	0.88
LaPorte, IN	Ozone	Maintenance	100	-	0.01	0.05	0.18
Las Vegas, NV	CO	Serious	100	-	0.22	0.85	2.78
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.22	0.86	2.82
Lauderdale County, AL	SO _x	Maintenance	100	-	0.01	0.05	0.16
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01

Table B1-42
Emission Changes a by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Formaldehyde 2025

Nonattainment Area	Pollutant	Status <u>b</u> /	General Conformity Threshold <u>c</u> /	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.03
Lima, OH	Ozone	Maintenance	100	-	0.02	0.06	0.20
Longmont, CO	CO	Maintenance	100	-	0.01	0.05	0.17
Lorain County, OH	SO _x	Maintenance	100	-	0.01	0.03	0.08
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	2.14	8.47	28.00
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	2.14	8.47	28.00
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	2.14	8.47	28.00
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	2.14	8.47	28.00
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	2.14	8.47	28.00
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.10	0.39	1.28
Louisville, KY-IN	Ozone	Maintenance	100	-	0.16	0.63	2.08
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.16	0.61	2.02
Lowell, MA	CO	Maintenance	100	-	0.02	0.06	0.21
Lucas County, OH	SO _x	Maintenance	100	-	0.04	0.17	0.55
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.01	0.03	0.11
Macon, GA	Ozone	Maintenance	100	-	0.03	0.12	0.39
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.03	0.12	0.38
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Madison, WI	SO _x	Maintenance	100	-	0.04	0.14	0.45
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Manchester, NH	CO	Maintenance	100	-	0.01	0.04	0.14
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.01	0.06	0.19
Marion County, IN	SO _x	Maintenance	100	-	0.05	0.18	0.58
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.02	0.06	0.21
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.05	0.18	0.59
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.01	0.05
Medford, OR	CO	Maintenance	100	-	0.01	0.04	0.14
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.03	0.10	0.34
Memphis, TN-AR	Ozone	Maintenance	100	-	0.13	0.54	1.81
Memphis, TN	CO	Maintenance	100	-	0.12	0.50	1.66
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.02	0.05
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.01
Milwaukee, WI	SO _x	Maintenance	100	-	0.08	0.30	0.98
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.26	1.00	3.29
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.15	1.21	4.61
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.41	1.58	5.18
Missoula, MT	CO	Maintenance	100	-	0.01	0.03	0.11
Missoula, MT	PM ₁₀	Moderate	100	-	0.01	0.03	0.11
Modesto, CA	CO	Maintenance	100	-	0.04	0.17	0.57

Table B1-42
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Formaldehyde 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.02	0.06	0.19
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Morristown, NJ	CO	Maintenance	100	-	0.00	0.02	0.06
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.02	0.05
Muncie, IN	Ozone	Maintenance	100	-	0.02	0.07	0.21
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.01	0.03
Muskegon, MI	Ozone	Maintenance	100	-	0.02	0.07	0.24
Nashua, NH	CO	Maintenance	100	-	0.01	0.03	0.11
Nashville, TN	Ozone	Former Subpart 1	50	-	0.15	0.79	2.80
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.02	0.08	0.26
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.02	0.08	0.26
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.11	0.44	1.45
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.01
New York County, NY	PM ₁₀	Moderate	100	-	0.07	0.26	0.84
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	1.13	4.40	14.45
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	2.16	8.35	27.43
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	2.14	8.28	27.20
Nogales, AZ	PM ₁₀	Moderate	100	-	0.01	0.02	0.08
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.23	0.88	2.90
Ogden, UT	CO	Maintenance	100	-	0.01	0.04	0.13
Ogden, UT	PM ₁₀	Moderate	100	-	0.01	0.04	0.13
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.01	0.04
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.02	0.06	0.20
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.01
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.02	0.08	0.27
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.02	0.08	0.27
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.01	0.04
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.01	0.06	0.18
Perth Amboy, NJ	CO	Maintenance	100	-	0.01	0.04	0.14
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.06	0.22	0.72
Philidelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-1.40	-0.70	2.67
Philidelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-1.10	0.47	6.51

Table B1-42
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Formaldehyde 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Phoenix, AZ	CO	Maintenance	100	-	0.68	2.65	8.71
Phoenix, AZ	PM ₁₀	Serious	70	-	0.70	2.73	8.97
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.71	2.74	9.00
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.01	0.04
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.29	1.13	3.70
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.27	1.03	3.38
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.01	0.04
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Portland, ME	Ozone	Maintenance	100	-	0.08	0.32	1.04
Portland, OR	CO	Maintenance	100	-	0.13	0.59	2.04
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.01	0.02	0.08
Poughkeepsie, NY	Ozone	Moderate	50	-	0.20	0.77	2.52
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Providence (entire State), RI	Ozone	Moderate	50	-	0.14	0.55	1.82
Provo, UT	CO	Maintenance	100	-	0.02	0.09	0.30
Raleigh-Durham, NC	CO	Maintenance	100	-	0.19	0.73	2.41
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.26	1.00	3.29
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.05	0.19	0.61
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.05	0.19	0.61
Reno, NV	CO	Maintenance	100	-	0.04	0.14	0.45
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.18	0.69	2.26
Rillito, AZ	PM ₁₀	Moderate	100	-	0.01	0.03	0.09
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.09	0.36	1.18
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.04	0.15	0.48
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.01	0.05	0.15
Rochester, NY	Ozone	Former Subpart 1	50	-	0.19	0.75	2.47
Rocky Mount, NC	Ozone	Maintenance	100	-	0.03	0.10	0.34
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.02	0.07	0.22
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.22	0.84	2.76
Sacramento Metro, CA	Ozone	Severe	25	-	0.39	1.51	4.97
Sacramento, CA	CO	Maintenance	100	-	0.24	0.94	3.08
Salem, OR	CO	Maintenance	100	-	0.02	0.07	0.24

Table B1-42
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Formaldehyde 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Salt Lake City, UT	CO	Maintenance	100	-	0.02	0.10	0.35
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.14	0.56	1.86
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.15	0.58	1.90
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.27	1.04	3.43
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.06	0.24	0.79
San Diego, CA	CO	Maintenance	100	-	0.60	2.34	7.68
San Diego, CA	Ozone	Former Subpart 1	50	-	0.60	2.34	7.69
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-1.63	-0.40	4.92
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-1.51	0.08	6.49
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.59	2.45	8.21
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.59	2.46	8.25
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.59	2.45	8.21
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.02	0.06
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.10	0.38	1.24
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.33	1.52	5.24
Sheboygan, WI	Ozone	Moderate	50	-	0.02	0.07	0.22
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.01	0.04
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.01	0.03
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.07	0.25	0.83
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.03	0.10	0.32
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.04	0.17	0.55
Spokane, WA	CO	Maintenance	100	-	0.04	0.17	0.54
Springfield (western MA), MA	Ozone	Moderate	50	-	0.13	0.50	1.65
Springfield, MA	CO	Maintenance	100	-	0.02	0.08	0.27
St Louis, MO	CO	Maintenance	100	-	0.13	0.51	1.69
St Louis, MO-IL	Ozone	Moderate	50	-	0.43	1.66	5.46
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.43	1.65	5.42
State College, PA	Ozone	Maintenance	100	-	0.02	0.10	0.32
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	0.03
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.01	0.02	0.08
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.01	0.05	0.18
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.01	0.05	0.18
Stockton, CA	CO	Maintenance	100	-	0.07	0.26	0.86
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.07	0.29	0.95
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.02	0.07	0.24

Table B1-42
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Formaldehyde 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Tioga County, PA	Ozone	Maintenance	100	-	0.01	0.03	0.10
Toledo, OH	Ozone	Maintenance	100	-	0.08	0.31	1.01
Toms River, NJ	CO	Maintenance	100	-	0.01	0.06	0.18
Tooele County, UT	SO _x	Nonattainment	100	-	0.01	0.06	0.19
Trenton, NJ	CO	Maintenance	100	-	0.01	0.05	0.16
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Tucson, AZ	CO	Maintenance	100	-	0.14	0.56	1.84
Utah County, UT	PM ₁₀	Moderate	100	-	0.07	0.27	0.90
Vancouver, WA	CO	Maintenance	100	-	0.05	0.17	0.57
Ventura County, CA	Ozone	Serious	50	-	0.12	0.47	1.55
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Vigo County, IN	SO _x	Maintenance	100	-	0.02	0.07	0.24
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.01	0.03	0.10
Warren County, NJ	SO _x	Maintenance	100	-	0.01	0.02	0.07
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.01	0.03
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.03	0.12	0.39
Washington, DC-MD-VA	CO	Maintenance	100	-	0.23	0.88	2.89
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.78	3.03	9.97
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.77	2.97	9.76
Washoe County, NV	PM ₁₀	Serious	70	-	0.04	0.14	0.45
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Wayne County, IN	SO _x	Maintenance	100	-	0.01	0.04	0.13
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.01	0.04	0.14
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.01	0.02
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.02	0.08	0.28
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.02	0.08	0.28
Winston-Salem, NC	CO	Maintenance	100	-	0.06	0.23	0.76
Worcester, MA	CO	Maintenance	100	-	0.03	0.12	0.40
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.01	0.05	0.17
Yakima, WA	CO	Maintenance	100	-	0.01	0.02	0.07
York, PA	Ozone	Maintenance	100	-	0.06	0.25	0.82
York, PA	PM _{2.5}	Nonattainment	100	-	0.05	0.19	0.64
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.09	0.36	1.18
Yuma, AZ	PM ₁₀	Moderate	100	-	0.03	0.10	0.34

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

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

c/ Emissions thresholds in tons/year of: VOC or NO_x in ozone NAAs; primary PM_{2.5} in PM_{2.5} NAAs. Source: 40 CFR 51.853. These thresholds

Table B1-42
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Formaldehyde 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks

are provided for information only; a general conformity determination is not required for the proposed actions.
 Source: EPA, 2008.

Table B1-43
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Formaldehyde 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.01	0.01
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.01	0.02
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.91	4.21	7.19
Albuquerque, NM	CO	Maintenance	100	-	0.41	1.91	3.27
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.11	0.51	0.87
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.42	1.94	3.32
Altoona, PA	Ozone	Maintenance	100	-	0.07	0.31	0.53
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.14	0.66	1.13
Anchorage, AK	CO	Maintenance	100	-	0.11	0.50	0.85
Anthony, NM	PM ₁₀	Moderate	100	-	0.01	0.02	0.04
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.02	0.03
Aspen, CO	PM ₁₀	Maintenance	100	-	0.01	0.02	0.04
Atlanta, GA	Ozone	Moderate	50	-	4.99	23.02	39.30
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	4.99	23.03	39.32
Atlantic City, NJ	CO	Maintenance	100	-	0.04	0.16	0.28
Bakersfield, CA	CO	Maintenance	100	-	0.19	1.28	2.20
Baltimore, MD	CO	Maintenance	100	-	0.01	0.03	0.05
Baltimore, MD	Ozone	Moderate	50	-	2.18	10.08	17.21
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	2.18	10.08	17.21
Baton Rouge, LA	Ozone	Moderate	50	-	-2.55	-3.28	-5.50
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-10.45	-18.47	-31.18
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Benton Harbor, MI	Ozone	Maintenance	100	-	0.12	0.54	0.92
Benzie County, MI	Ozone	Maintenance	100	-	0.02	0.08	0.14
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.11	0.50	0.85
Billings, MT	CO	Maintenance	100	-	0.05	0.24	0.40
Birmingham, AL	Ozone	Maintenance	100	-	0.69	3.20	5.47
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.70	3.21	5.49
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.24	1.11	1.90
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.24	1.11	1.90
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.01	0.06	0.10
Boston, MA	CO	Maintenance	100	-	0.59	2.74	4.68
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	3.63	16.78	28.65
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.48	2.19	3.75
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.00	0.02	0.03
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.80	3.67	6.27
Burlington, NJ	CO	Maintenance	100	-	0.00	0.02	0.04

Table B1-43
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Formaldehyde 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Butte, MT	PM ₁₀	Moderate	100	-	0.01	0.06	0.10
Canon City, CO	PM ₁₀	Maintenance	100	-	0.02	0.07	0.12
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.20	0.91	1.56
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.20	0.91	1.56
Case County, MI	Ozone	Maintenance	100	-	0.03	0.14	0.24
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.02	0.03
Charleston, WV	Ozone	Maintenance	100	-	0.18	0.83	1.42
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.18	0.83	1.42
Charlotte, NC	CO	Maintenance	100	-	0.55	2.55	4.35
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	1.22	5.63	9.61
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.38	1.74	2.97
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.35	1.60	2.73
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	5.02	23.46	40.06
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	5.19	24.26	41.43
Chico, CA	CO	Maintenance	100	-	0.09	0.43	0.73
Chico, CA	Ozone	Former Subpart 1	50	-	0.20	0.94	1.60
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	1.40	6.46	11.03
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	1.35	6.26	10.69
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.01	0.04	0.07
Clark County, NV	PM ₁₀	Serious	70	-	1.18	5.46	9.32
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.19	0.89	1.51
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.12	0.57	0.98
Cleveland, OH	CO	Maintenance	100	-	0.60	2.77	4.73
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	1.76	8.15	13.91
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	1.62	7.48	12.77
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.53	2.43	4.14
Colbert County, AL	SO _x	Maintenance	100	-	0.04	0.18	0.30
Colorado Springs, CO	CO	Maintenance	100	-	0.45	2.08	3.55
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.02	0.03
Columbia, SC	Ozone	Former Subpart 1	50	-	0.46	2.13	3.64
Columbus, OH	Ozone	Maintenance	100	-	1.26	5.82	9.93
Columbus, OH	PM _{2.5}	Nonattainment	100	-	1.17	5.41	9.23
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.01	0.02
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.60	2.77	4.73
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.50	2.30	3.93
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	5.33	24.59	41.99
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.56	2.60	4.43

Table B1-43
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Formaldehyde 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.50	2.29	3.90
Denver Metro, CO	PM ₁₀	Maintenance	100	-	2.25	10.39	17.74
Denver-Boulder, CO	CO	Maintenance	100	-	2.15	9.93	16.96
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	2.71	12.53	21.40
Detroit, MI	CO	Maintenance	100	-	1.02	4.71	8.04
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	3.26	15.05	25.69
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	3.20	14.76	25.21
Door County, WI	Ozone	Former Subpart 1	50	-	0.03	0.13	0.21
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.02	0.11	0.19
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.02	0.09	0.15
Duluth, MN	CO	Maintenance	100	-	0.05	0.25	0.43
Eagle River, AK	PM ₁₀	Moderate	100	-	0.01	0.03	0.05
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.14	0.64	1.09
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.01
El Paso County, TX	PM ₁₀	Moderate	100	-	0.35	1.63	2.79
El Paso, TX	CO	Maintenance	100	-	0.02	0.10	0.17
Erie, PA	Ozone	Maintenance	100	-	0.15	0.71	1.21
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.01	0.01
Eugene-Springfield, OR	CO	Maintenance	100	-	0.17	0.77	1.32
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.16	0.74	1.26
Evansville, IN	Ozone	Maintenance	100	-	0.18	0.81	1.39
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.22	1.04	1.77
Fairbanks, AK	CO	Maintenance	100	-	0.01	0.06	0.10
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.21	0.96	1.64
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.01	0.03	0.04
Flint, MI	Ozone	Maintenance	100	-	0.36	1.64	2.81
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Fort Collins, CO	CO	Maintenance	100	-	0.14	0.63	1.07
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.26	1.19	2.04
Franklin County, PA	Ozone	Maintenance	100	-	0.11	0.51	0.87
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.09	0.43	0.73
Fredericksburg, VA	Ozone	Maintenance	100	-	0.32	1.49	2.55
Freehold, NJ	CO	Maintenance	100	-	0.01	0.06	0.11
Fresno, CA	CO	Maintenance	100	-	0.45	2.06	3.52

Table B1-43
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Formaldehyde 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Grand Rapids, MI	Ozone	Maintenance	100	-	0.60	2.76	4.71
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.03	0.12	0.21
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.01	0.01
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.03	0.12	0.20
Great Falls, MT	CO	Maintenance	100	-	0.01	0.06	0.10
Greater Connecticut, CT	Ozone	Moderate	50	-	1.13	5.21	8.90
Greeley, CO	CO	Maintenance	100	-	0.09	0.42	0.72
Green Bay, WI	SO _x	Maintenance	100	-	0.09	0.41	0.70
Greene County, IN	Ozone	Maintenance	100	-	0.03	0.16	0.27
Greene County, PA	Ozone	Maintenance	100	-	0.03	0.14	0.24
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	1.13	5.22	8.91
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.55	2.56	4.36
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.61	2.82	4.81
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.02	0.07	0.12
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.08	0.38	0.64
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.63	2.89	4.94
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.58	2.67	4.55
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.72	3.33	5.69
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.01	0.04	0.06
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.03	0.14	0.24
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.02	0.03
Hazelwood, PA	SO _x	Maintenance	100	-	0.03	0.13	0.22
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.12	0.55	0.94
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.20	0.92	1.58
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.01	0.01
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-26.13	-36.62	-61.55
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.01	0.02
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.17	0.87	1.49
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.07	0.43	0.73
Huron County, MI	Ozone	Maintenance	100	-	0.02	0.09	0.15
Imperial County, CA	Ozone	Moderate	50	-	0.17	0.79	1.35
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.17	0.77	1.32
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.02	0.10	0.18
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	1.46	6.75	11.52
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	1.16	5.36	9.15
Jackson County, IN	Ozone	Maintenance	100	-	0.05	0.25	0.43
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.11	0.49	0.84

Table B1-43
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Formaldehyde 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Jefferson County, NY	Ozone	Moderate	50	-	0.09	0.40	0.68
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.02	0.04
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.15	0.68	1.16
Johnstown, PA	Ozone	Maintenance	100	-	0.06	0.28	0.48
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.07	0.31	0.53
Juneau, AK	PM ₁₀	Moderate	100	-	0.01	0.04	0.07
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.35	1.61	2.74
Kalispell, MT	PM ₁₀	Moderate	100	-	0.02	0.10	0.18
Kansas City, MO-KS	Ozone	Maintenance	100	-	1.22	5.63	9.61
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.11	0.49	0.83
Kent, WA	PM ₁₀	Maintenance	100	-	0.02	0.08	0.14
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.06	0.27	0.46
Kewaunee County, WI	Ozone	Maintenance	100	-	0.02	0.08	0.13
King County, WA	PM ₁₀	Maintenance	100	-	0.01	0.03	0.06
Klamath Falls, OR	CO	Maintenance	100	-	0.03	0.16	0.26
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.03	0.16	0.26
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.90	4.14	7.07
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.68	3.16	5.39
La Porte County, IN	SO _x	Maintenance	100	-	0.02	0.11	0.18
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.01	0.05	0.08
Lake County, IN	SO _x	Maintenance	100	-	0.20	0.93	1.60
Lake County, OH	SO _x	Maintenance	100	-	0.02	0.11	0.19
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.02	0.03
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.03	0.12	0.20
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.06	0.26	0.44
Lake Tahoe, NV	CO	Maintenance	100	-	0.01	0.07	0.11
Lamar, CO	PM ₁₀	Maintenance	100	-	0.01	0.03	0.05
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Lancaster, PA	Ozone	Maintenance	100	-	0.32	1.49	2.55
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.32	1.49	2.55
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.34	1.55	2.64
LaPorte, IN	Ozone	Maintenance	100	-	0.06	0.29	0.50
Las Vegas, NV	CO	Serious	100	-	1.18	5.46	9.32
Las Vegas, NV	Ozone	Former Subpart 1	50	-	1.20	5.53	9.44
Lauderdale County, AL	SO _x	Maintenance	100	-	0.06	0.27	0.46
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.01	0.01
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.02	0.03

Table B1-43
Emission Changes a by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Formaldehyde 2040

Nonattainment Area	Pollutant	Status <u>b</u> /	General Conformity Threshold <u>c</u> /	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.04	0.07
Lima, OH	Ozone	Maintenance	100	-	0.07	0.34	0.58
Longmont, CO	CO	Maintenance	100	-	0.07	0.33	0.56
Lorain County, OH	SO _x	Maintenance	100	-	0.03	0.15	0.25
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	11.20	52.14	89.04
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	11.20	52.14	89.04
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	11.20	52.14	89.04
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	11.20	52.14	89.04
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	11.20	52.14	89.04
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.52	2.40	4.09
Louisville, KY-IN	Ozone	Maintenance	100	-	0.78	3.58	6.12
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.74	3.44	5.87
Lowell, MA	CO	Maintenance	100	-	0.08	0.39	0.66
Lucas County, OH	SO _x	Maintenance	100	-	0.20	0.91	1.55
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.04	0.19	0.32
Macon, GA	Ozone	Maintenance	100	-	0.14	0.63	1.08
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.13	0.62	1.06
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.01	0.01
Madison, WI	SO _x	Maintenance	100	-	0.19	0.87	1.49
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.01	0.04	0.07
Manchester, NH	CO	Maintenance	100	-	0.05	0.23	0.40
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.07	0.32	0.54
Marion County, IN	SO _x	Maintenance	100	-	0.21	0.96	1.65
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.09	0.43	0.73
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.23	1.04	1.78
Mason County, MI	Ozone	Maintenance	100	-	0.02	0.09	0.15
Medford, OR	CO	Maintenance	100	-	0.06	0.28	0.48
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.15	0.68	1.16
Memphis, TN-AR	Ozone	Maintenance	100	-	0.64	3.03	5.18
Memphis, TN	CO	Maintenance	100	-	0.59	2.80	4.78
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.02	0.10	0.18
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.02	0.03
Milwaukee, WI	SO _x	Maintenance	100	-	0.36	1.64	2.80
Milwaukee-Racine, WI	Ozone	Moderate	50	-	1.27	5.86	10.00
Minneapolis-St Paul, MN	CO	Maintenance	100	-	1.59	8.75	14.96
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	2.04	9.41	16.07
Missoula, MT	CO	Maintenance	100	-	0.04	0.21	0.35
Missoula, MT	PM ₁₀	Moderate	100	-	0.04	0.20	0.34
Modesto, CA	CO	Maintenance	100	-	0.25	1.14	1.95

Table B1-43
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Formaldehyde 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.08	0.39	0.66
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.01	0.02
Morristown, NJ	CO	Maintenance	100	-	0.03	0.12	0.20
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.02	0.09	0.15
Muncie, IN	Ozone	Maintenance	100	-	0.07	0.34	0.58
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.02	0.03
Muscatine County, IA	SO _x	Maintenance	100	-	0.01	0.05	0.09
Muskegon, MI	Ozone	Maintenance	100	-	0.09	0.42	0.72
Nashua, NH	CO	Maintenance	100	-	0.04	0.19	0.32
Nashville, TN	Ozone	Former Subpart 1	50	-	1.05	5.28	9.01
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.12	0.57	0.97
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.11	0.49	0.84
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.54	2.47	4.22
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.02	0.03
New York County, NY	PM ₁₀	Moderate	100	-	0.30	1.38	2.36
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	5.41	24.96	42.61
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	10.44	48.18	82.28
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	10.34	47.76	81.55
Nogales, AZ	PM ₁₀	Moderate	100	-	0.03	0.14	0.23
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	1.10	5.06	8.64
Ogden, UT	CO	Maintenance	100	-	0.05	0.22	0.38
Ogden, UT	PM ₁₀	Moderate	100	-	0.05	0.22	0.38
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	0.01
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.01	0.06	0.11
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.08	0.38	0.65
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.01	0.03
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.10	0.45	0.77
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.10	0.46	0.78
Payson, AZ	PM ₁₀	Maintenance	100	-	0.01	0.07	0.12
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.07	0.31	0.53
Perth Amboy, NJ	CO	Maintenance	100	-	0.06	0.29	0.49
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.25	1.16	1.99
Phildelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-0.86	6.95	12.00
Phildelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.61	13.73	23.57

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Phoenix, AZ	CO	Maintenance	100	-	4.00	18.49	31.57
Phoenix, AZ	PM ₁₀	Serious	70	-	4.11	19.00	32.44
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	4.13	19.05	32.53
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.01	0.03	0.06
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Pittsburgh, PA	CO	Maintenance	100	-	0.02	0.09	0.15
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	1.36	6.27	10.71
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	1.24	5.73	9.78
Polk County, TN	SO _x	Maintenance	100	-	0.01	0.07	0.11
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Portland, ME	Ozone	Maintenance	100	-	0.40	1.83	3.13
Portland, OR	CO	Maintenance	100	-	0.74	3.60	6.15
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.03	0.14	0.24
Poughkeepsie, NY	Ozone	Moderate	50	-	1.05	4.85	8.28
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.01	0.03	0.05
Providence (entire State), RI	Ozone	Moderate	50	-	0.71	3.28	5.59
Provo, UT	CO	Maintenance	100	-	0.13	0.58	0.99
Raleigh-Durham, NC	CO	Maintenance	100	-	0.99	4.55	7.77
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	1.34	6.18	10.56
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.01	0.01
Reading, PA	Ozone	Maintenance	100	-	0.23	1.07	1.83
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.23	1.07	1.83
Reno, NV	CO	Maintenance	100	-	0.17	0.80	1.36
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.01
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.86	3.97	6.77
Rillito, AZ	PM ₁₀	Moderate	100	-	0.04	0.18	0.31
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.53	2.43	4.14
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.18	0.82	1.40
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.06	0.27	0.46
Rochester, NY	Ozone	Former Subpart 1	50	-	0.93	4.31	7.36
Rocky Mount, NC	Ozone	Maintenance	100	-	0.13	0.58	0.99
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.08	0.38	0.65
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.01	0.01
Sacramento County, CA	PM ₁₀	Moderate	100	-	1.20	5.54	9.46
Sacramento Metro, CA	Ozone	Severe	25	-	2.20	10.16	17.36
Sacramento, CA	CO	Maintenance	100	-	1.35	6.23	10.64
Salem, OR	CO	Maintenance	100	-	0.09	0.42	0.71

Table B1-43
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Formaldehyde 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Salt Lake City, UT	CO	Maintenance	100	-	0.13	0.67	1.14
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.72	3.39	5.79
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.75	3.44	5.88
San Antonio, TX	Ozone	Former Subpart 1	50	-	1.36	6.30	10.76
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.32	1.49	2.54
San Diego, CA	CO	Maintenance	100	-	3.26	15.06	25.72
San Diego, CA	Ozone	Former Subpart 1	50	-	3.27	15.09	25.77
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-0.09	13.24	22.77
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.52	16.08	27.62
San Joaquin Valley, CA	Ozone	Extreme	10	-	3.48	16.44	28.07
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	3.49	16.49	28.16
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	3.48	16.44	28.07
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.03	0.12	0.21
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.47	2.15	3.68
Seattle-Tacoma, WA	CO	Maintenance	100	-	2.01	9.84	16.81
Sheboygan, WI	Ozone	Moderate	50	-	0.09	0.40	0.68
Sheridan, WY	PM ₁₀	Moderate	100	-	0.01	0.07	0.12
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.01	0.06	0.10
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.32	1.46	2.49
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.10	0.48	0.82
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.22	1.01	1.72
Spokane, WA	CO	Maintenance	100	-	0.22	1.00	1.70
Springfield (western MA), MA	Ozone	Moderate	50	-	0.62	2.87	4.91
Springfield, MA	CO	Maintenance	100	-	0.10	0.48	0.82
St Louis, MO	CO	Maintenance	100	-	0.57	2.65	4.52
St Louis, MO-IL	Ozone	Moderate	50	-	2.00	9.22	15.75
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	1.98	9.16	15.65
State College, PA	Ozone	Maintenance	100	-	0.13	0.58	1.00
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.02	0.07	0.12
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.03	0.13	0.22
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.06	0.28	0.49
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.06	0.28	0.49
Stockton, CA	CO	Maintenance	100	-	0.37	1.73	2.95
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.35	1.60	2.74
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	0.01
Terre Haute, IN	Ozone	Maintenance	100	-	0.08	0.39	0.66

Table B1-43
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Formaldehyde 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Tioga County, PA	Ozone	Maintenance	100	-	0.04	0.17	0.29
Toledo, OH	Ozone	Maintenance	100	-	0.37	1.71	2.92
Toms River, NJ	CO	Maintenance	100	-	0.08	0.35	0.61
Tooele County, UT	SO _x	Nonattainment	100	-	0.07	0.34	0.58
Trenton, NJ	CO	Maintenance	100	-	0.06	0.29	0.50
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Tucson, AZ	CO	Maintenance	100	-	0.75	3.45	5.89
Utah County, UT	PM ₁₀	Moderate	100	-	0.36	1.68	2.87
Vancouver, WA	CO	Maintenance	100	-	0.24	1.12	1.91
Ventura County, CA	Ozone	Serious	50	-	0.66	3.07	5.24
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.02	0.04
Vigo County, IN	SO _x	Maintenance	100	-	0.08	0.39	0.66
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.04	0.18	0.31
Warren County, NJ	SO _x	Maintenance	100	-	0.03	0.12	0.20
Warren County, PA	SO _x	Nonattainment	100	-	0.01	0.04	0.07
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.15	0.68	1.16
Washington, DC-MD-VA	CO	Maintenance	100	-	1.12	5.18	8.85
Washington, DC-MD-VA	Ozone	Moderate	50	-	4.02	18.54	31.66
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	3.93	18.13	30.96
Washoe County, NV	PM ₁₀	Serious	70	-	0.17	0.80	1.36
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.01	0.02
Wayne County, IN	SO _x	Maintenance	100	-	0.05	0.21	0.36
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.06	0.27	0.47
Weirton, WV	PM ₁₀	Maintenance	100	-	0.01	0.03	0.04
Weirton, WV	SO _x	Maintenance	100	-	0.01	0.04	0.06
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.09	0.44	0.75
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.09	0.44	0.75
Winston-Salem, NC	CO	Maintenance	100	-	0.29	1.35	2.30
Worcester, MA	CO	Maintenance	100	-	0.16	0.76	1.29
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.07	0.31	0.53
Yakima, WA	CO	Maintenance	100	-	0.03	0.14	0.24
York, PA	Ozone	Maintenance	100	-	0.32	1.50	2.55
York, PA	PM _{2.5}	Nonattainment	100	-	0.25	1.16	1.98
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.41	1.91	3.27
Yuma, AZ	PM ₁₀	Moderate	100	-	0.14	0.66	1.12

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

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

c/ Emissions thresholds in tons/year of: VOC or NO_x in ozone NAAs; primary PM_{2.5} in PM_{2.5} NAAs. Source: 40 CFR 51.853. These thresholds

Table B1-43
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Formaldehyde 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks

are provided for information only; a general conformity determination is not required for the proposed actions.
 Source: EPA, 2008.

Table B1-44
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Formaldehyde 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.01	0.01
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.02	0.03
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.02	0.03
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	1.00	5.73	10.04
Albuquerque, NM	CO	Maintenance	100	-	0.45	2.58	4.51
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.13	0.73	1.27
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.46	2.63	4.61
Altoona, PA	Ozone	Maintenance	100	-	0.07	0.39	0.68
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.18	1.04	1.82
Anchorage, AK	CO	Maintenance	100	-	0.12	0.70	1.22
Anthony, NM	PM ₁₀	Moderate	100	-	0.01	0.03	0.06
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.02	0.04
Aspen, CO	PM ₁₀	Maintenance	100	-	0.01	0.03	0.06
Atlanta, GA	Ozone	Moderate	50	-	5.66	32.43	56.82
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	5.66	32.44	56.84
Atlantic City, NJ	CO	Maintenance	100	-	0.04	0.21	0.37
Bakersfield, CA	CO	Maintenance	100	-	0.29	1.98	3.42
Baltimore, MD	CO	Maintenance	100	-	0.01	0.04	0.07
Baltimore, MD	Ozone	Moderate	50	-	2.44	13.97	24.49
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	2.44	13.97	24.49
Baton Rouge, LA	Ozone	Moderate	50	-	-1.37	-1.23	-3.49
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-6.45	-13.83	-28.93
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Benton Harbor, MI	Ozone	Maintenance	100	-	0.12	0.66	1.16
Benzie County, MI	Ozone	Maintenance	100	-	0.02	0.13	0.22
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.12	0.69	1.21
Billings, MT	CO	Maintenance	100	-	0.06	0.32	0.56
Birmingham, AL	Ozone	Maintenance	100	-	0.73	4.20	7.36
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.74	4.22	7.39
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.27	1.56	2.74
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.27	1.56	2.74
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.02	0.09	0.16
Boston, MA	CO	Maintenance	100	-	0.64	3.67	6.44
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	3.97	22.78	39.91
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.53	3.04	5.33
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.03	0.04
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.85	4.86	8.51
Burlington, NJ	CO	Maintenance	100	-	0.00	0.02	0.04

Table B1-44
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Formaldehyde 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Butte, MT	PM ₁₀	Moderate	100	-	0.01	0.07	0.13
Canon City, CO	PM ₁₀	Maintenance	100	-	0.02	0.10	0.18
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.21	1.18	2.07
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.21	1.18	2.07
Case County, MI	Ozone	Maintenance	100	-	0.03	0.18	0.32
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.02	0.04
Charleston, WV	Ozone	Maintenance	100	-	0.18	1.04	1.82
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.18	1.04	1.82
Charlotte, NC	CO	Maintenance	100	-	0.63	3.61	6.33
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	1.38	7.90	13.84
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.40	2.30	4.03
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.37	2.13	3.73
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	5.63	32.47	56.85
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	5.82	33.57	58.77
Chico, CA	CO	Maintenance	100	-	0.12	0.67	1.17
Chico, CA	Ozone	Former Subpart 1	50	-	0.24	1.40	2.46
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	1.53	8.76	15.36
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	1.48	8.48	14.86
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.01	0.04	0.08
Clark County, NV	PM ₁₀	Serious	70	-	1.40	8.02	14.06
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.22	1.24	2.17
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.13	0.76	1.32
Cleveland, OH	CO	Maintenance	100	-	0.60	3.41	5.98
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	1.87	10.71	18.76
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	1.71	9.79	17.16
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.64	3.67	6.43
Colbert County, AL	SO _x	Maintenance	100	-	0.04	0.22	0.38
Colorado Springs, CO	CO	Maintenance	100	-	0.52	2.99	5.23
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.03	0.05
Columbia, SC	Ozone	Former Subpart 1	50	-	0.51	2.91	5.09
Columbus, OH	Ozone	Maintenance	100	-	1.44	8.24	14.44
Columbus, OH	PM _{2.5}	Nonattainment	100	-	1.34	7.67	13.45
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.01	0.02
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.60	3.41	5.98
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.51	2.94	5.16
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	6.17	35.33	61.91
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.58	3.35	5.87

Table B1-44
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Formaldehyde 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.51	2.94	5.16
Denver Metro, CO	PM ₁₀	Maintenance	100	-	2.58	14.78	25.90
Denver-Boulder, CO	CO	Maintenance	100	-	2.46	14.12	24.75
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	3.11	17.84	31.26
Detroit, MI	CO	Maintenance	100	-	0.93	5.32	9.32
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	3.53	20.25	35.49
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	3.47	19.87	34.82
Door County, WI	Ozone	Former Subpart 1	50	-	0.03	0.18	0.31
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.03	0.15	0.25
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.02	0.12	0.21
Duluth, MN	CO	Maintenance	100	-	0.06	0.32	0.56
Eagle River, AK	PM ₁₀	Moderate	100	-	0.01	0.04	0.08
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.14	0.83	1.45
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.01
El Paso County, TX	PM ₁₀	Moderate	100	-	0.39	2.25	3.95
El Paso, TX	CO	Maintenance	100	-	0.02	0.13	0.23
Erie, PA	Ozone	Maintenance	100	-	0.16	0.92	1.62
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.01	0.01
Eugene-Springfield, OR	CO	Maintenance	100	-	0.19	1.07	1.88
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.18	1.03	1.81
Evansville, IN	Ozone	Maintenance	100	-	0.19	1.08	1.90
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.24	1.37	2.40
Fairbanks, AK	CO	Maintenance	100	-	0.02	0.09	0.15
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.23	1.30	2.27
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.01	0.04	0.06
Flint, MI	Ozone	Maintenance	100	-	0.38	2.16	3.79
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.16	0.91	1.59
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.28	1.61	2.82
Franklin County, PA	Ozone	Maintenance	100	-	0.12	0.70	1.23
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.10	0.58	1.02
Fredericksburg, VA	Ozone	Maintenance	100	-	0.38	2.18	3.82
Freehold, NJ	CO	Maintenance	100	-	0.02	0.10	0.18
Fresno, CA	CO	Maintenance	100	-	0.51	2.92	5.12

Table B1-44
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Formaldehyde 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Grand Rapids, MI	Ozone	Maintenance	100	-	0.67	3.86	6.76
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.03	0.15	0.26
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.01	0.02
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.03	0.17	0.30
Great Falls, MT	CO	Maintenance	100	-	0.01	0.07	0.12
Greater Connecticut, CT	Ozone	Moderate	50	-	1.20	6.86	12.02
Greeley, CO	CO	Maintenance	100	-	0.10	0.59	1.04
Green Bay, WI	SO _x	Maintenance	100	-	0.10	0.55	0.97
Greene County, IN	Ozone	Maintenance	100	-	0.04	0.21	0.37
Greene County, PA	Ozone	Maintenance	100	-	0.03	0.19	0.33
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	1.21	6.96	12.19
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.59	3.38	5.92
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.64	3.68	6.45
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.02	0.10	0.17
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.09	0.51	0.89
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.70	4.02	7.05
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.65	3.70	6.49
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.75	4.32	7.57
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.01	0.05	0.09
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.04	0.21	0.36
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.02	0.04
Hazelwood, PA	SO _x	Maintenance	100	-	0.03	0.18	0.31
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.12	0.71	1.24
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.21	1.21	2.12
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.01	0.02
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-13.41	-14.93	-38.73
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.01	0.02
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.19	1.15	1.99
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.08	0.55	0.96
Huron County, MI	Ozone	Maintenance	100	-	0.02	0.11	0.20
Imperial County, CA	Ozone	Moderate	50	-	0.20	1.16	2.02
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.20	1.13	1.98
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.02	0.13	0.24
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.01
Indianapolis, IN	Ozone	Maintenance	100	-	1.63	9.35	16.39
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	1.30	7.44	13.04
Jackson County, IN	Ozone	Maintenance	100	-	0.06	0.33	0.58
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.11	0.65	1.14

Table B1-44
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Formaldehyde 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Jefferson County, NY	Ozone	Moderate	50	-	0.09	0.53	0.93
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.03	0.04
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.15	0.88	1.55
Johnstown, PA	Ozone	Maintenance	100	-	0.06	0.32	0.57
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.06	0.36	0.62
Juneau, AK	PM ₁₀	Moderate	100	-	0.01	0.06	0.11
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.37	2.12	3.72
Kalispell, MT	PM ₁₀	Moderate	100	-	0.03	0.15	0.26
Kansas City, MO-KS	Ozone	Maintenance	100	-	1.37	7.82	13.71
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.12	0.68	1.19
Kent, WA	PM ₁₀	Maintenance	100	-	0.02	0.13	0.22
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.06	0.35	0.62
Kewaunee County, WI	Ozone	Maintenance	100	-	0.02	0.10	0.18
King County, WA	PM ₁₀	Maintenance	100	-	0.01	0.05	0.08
Klamath Falls, OR	CO	Maintenance	100	-	0.04	0.20	0.36
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.04	0.20	0.36
Knoxville, TN	Ozone	Former Subpart 1	50	-	1.03	5.90	10.34
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.78	4.45	7.80
La Porte County, IN	SO _x	Maintenance	100	-	0.02	0.13	0.23
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.01	0.06	0.11
Lake County, IN	SO _x	Maintenance	100	-	0.21	1.19	2.09
Lake County, OH	SO _x	Maintenance	100	-	0.03	0.15	0.26
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.02	0.04
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.03	0.19	0.33
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.07	0.43	0.75
Lake Tahoe, NV	CO	Maintenance	100	-	0.01	0.09	0.15
Lamar, CO	PM ₁₀	Maintenance	100	-	0.01	0.04	0.06
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Lancaster, PA	Ozone	Maintenance	100	-	0.36	2.04	3.57
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.36	2.04	3.57
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.36	2.08	3.65
LaPorte, IN	Ozone	Maintenance	100	-	0.06	0.37	0.65
Las Vegas, NV	CO	Serious	100	-	1.40	8.02	14.06
Las Vegas, NV	Ozone	Former Subpart 1	50	-	1.41	8.11	14.21
Lauderdale County, AL	SO _x	Maintenance	100	-	0.06	0.35	0.61
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.01	0.01
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.02	0.03
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.02	0.04

Table B1-44
Emission Changes a by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Formaldehyde 2060

Nonattainment Area	Pollutant	Status <u>b</u> /	General Conformity Threshold <u>c</u> /	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.04	0.08
Lima, OH	Ozone	Maintenance	100	-	0.08	0.44	0.78
Longmont, CO	CO	Maintenance	100	-	0.08	0.48	0.85
Lorain County, OH	SO _x	Maintenance	100	-	0.04	0.20	0.35
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	12.79	73.59	128.89
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	12.79	73.59	128.89
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	12.79	73.59	128.89
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	12.79	73.59	128.89
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	12.78	73.59	128.88
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.59	3.41	5.97
Louisville, KY-IN	Ozone	Maintenance	100	-	0.82	4.73	8.28
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.78	4.49	7.88
Lowell, MA	CO	Maintenance	100	-	0.10	0.55	0.96
Lucas County, OH	SO _x	Maintenance	100	-	0.20	1.15	2.02
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.04	0.24	0.42
Macon, GA	Ozone	Maintenance	100	-	0.14	0.79	1.39
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.14	0.78	1.37
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.01	0.02
Madison, WI	SO _x	Maintenance	100	-	0.22	1.27	2.22
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.01	0.07	0.12
Manchester, NH	CO	Maintenance	100	-	0.05	0.28	0.49
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.07	0.41	0.72
Marion County, IN	SO _x	Maintenance	100	-	0.22	1.23	2.16
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.11	0.65	1.13
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.24	1.40	2.46
Mason County, MI	Ozone	Maintenance	100	-	0.02	0.12	0.21
Medford, OR	CO	Maintenance	100	-	0.07	0.42	0.73
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.18	1.00	1.76
Memphis, TN-AR	Ozone	Maintenance	100	-	0.67	3.92	6.85
Memphis, TN	CO	Maintenance	100	-	0.62	3.63	6.35
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.03	0.15	0.27
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.02	0.03
Milwaukee, WI	SO _x	Maintenance	100	-	0.37	2.13	3.74
Milwaukee-Racine, WI	Ozone	Moderate	50	-	1.39	7.96	13.96
Minneapolis-St Paul, MN	CO	Maintenance	100	-	2.02	12.68	21.99
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	2.27	13.02	22.81
Missoula, MT	CO	Maintenance	100	-	0.05	0.28	0.50
Missoula, MT	PM ₁₀	Moderate	100	-	0.05	0.27	0.48
Modesto, CA	CO	Maintenance	100	-	0.29	1.69	2.95

Table B1-44
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Formaldehyde 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.10	0.58	1.02
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.01	0.02
Morristown, NJ	CO	Maintenance	100	-	0.03	0.18	0.31
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.02	0.11	0.20
Muncie, IN	Ozone	Maintenance	100	-	0.07	0.41	0.72
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.03	0.05
Muscatine County, IA	SO _x	Maintenance	100	-	0.01	0.07	0.12
Muskegon, MI	Ozone	Maintenance	100	-	0.10	0.57	1.01
Nashua, NH	CO	Maintenance	100	-	0.04	0.23	0.40
Nashville, TN	Ozone	Former Subpart 1	50	-	1.26	7.57	13.19
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.15	0.89	1.56
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.13	0.72	1.26
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.56	3.22	5.65
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.02	0.04
New York County, NY	PM ₁₀	Moderate	100	-	0.30	1.74	3.04
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	5.77	33.06	57.93
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	11.30	64.75	113.46
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	11.19	64.15	112.41
Nogales, AZ	PM ₁₀	Moderate	100	-	0.03	0.19	0.33
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	1.18	6.76	11.85
Ogden, UT	CO	Maintenance	100	-	0.05	0.29	0.51
Ogden, UT	PM ₁₀	Moderate	100	-	0.05	0.29	0.51
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	0.01
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.01	0.08	0.13
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.10	0.54	0.95
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.03	0.05
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.10	0.59	1.03
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.10	0.59	1.04
Payson, AZ	PM ₁₀	Maintenance	100	-	0.02	0.10	0.17
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.07	0.40	0.69
Perth Amboy, NJ	CO	Maintenance	100	-	0.08	0.44	0.77
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.25	1.45	2.53
Phildelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.81	13.13	21.29
Phildelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	2.41	22.27	37.31

Table B1-44
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Formaldehyde 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Phoenix, AZ	CO	Maintenance	100	-	5.00	28.63	50.16
Phoenix, AZ	PM ₁₀	Serious	70	-	5.12	29.35	51.44
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	5.14	29.43	51.56
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.01	0.04	0.07
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Pittsburgh, PA	CO	Maintenance	100	-	0.02	0.14	0.25
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	1.42	8.16	14.30
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	1.30	7.45	13.06
Polk County, TN	SO _x	Maintenance	100	-	0.02	0.09	0.15
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.02	0.03
Portland, ME	Ozone	Maintenance	100	-	0.43	2.47	4.32
Portland, OR	CO	Maintenance	100	-	0.83	4.89	8.53
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.03	0.18	0.31
Poughkeepsie, NY	Ozone	Moderate	50	-	1.22	7.01	12.28
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.01	0.03	0.06
Providence (entire State), RI	Ozone	Moderate	50	-	0.79	4.50	7.88
Provo, UT	CO	Maintenance	100	-	0.15	0.84	1.47
Raleigh-Durham, NC	CO	Maintenance	100	-	1.13	6.49	11.37
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	1.53	8.79	15.41
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.01	0.01
Reading, PA	Ozone	Maintenance	100	-	0.25	1.43	2.50
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.25	1.43	2.50
Reno, NV	CO	Maintenance	100	-	0.19	1.08	1.89
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.01	0.01
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.93	5.32	9.33
Rillito, AZ	PM ₁₀	Moderate	100	-	0.05	0.27	0.47
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.64	3.67	6.43
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.19	1.07	1.88
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.06	0.37	0.65
Rochester, NY	Ozone	Former Subpart 1	50	-	1.00	5.75	10.08
Rocky Mount, NC	Ozone	Maintenance	100	-	0.13	0.75	1.32
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.09	0.51	0.89
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.01	0.02
Sacramento County, CA	PM ₁₀	Moderate	100	-	1.44	8.26	14.47
Sacramento Metro, CA	Ozone	Severe	25	-	2.67	15.32	26.85
Sacramento, CA	CO	Maintenance	100	-	1.62	9.30	16.29
Salem, OR	CO	Maintenance	100	-	0.10	0.55	0.96

Table B1-44
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Formaldehyde 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Salt Lake City, UT	CO	Maintenance	100	-	0.16	0.95	1.66
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.81	4.71	8.24
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.83	4.75	8.32
San Antonio, TX	Ozone	Former Subpart 1	50	-	1.53	8.79	15.40
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.36	2.07	3.63
San Diego, CA	CO	Maintenance	100	-	3.86	22.11	38.74
San Diego, CA	Ozone	Former Subpart 1	50	-	3.87	22.15	38.81
San Francisco Bay Area, CA	Ozone	Marginal	50	-	2.45	24.67	41.07
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	3.13	28.53	47.84
San Joaquin Valley, CA	Ozone	Extreme	10	-	4.23	24.51	42.90
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	4.24	24.57	42.99
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	4.23	24.51	42.90
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.03	0.17	0.31
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.50	2.88	5.04
Seattle-Tacoma, WA	CO	Maintenance	100	-	2.38	14.03	24.50
Sheboygan, WI	Ozone	Moderate	50	-	0.10	0.55	0.96
Sheridan, WY	PM ₁₀	Moderate	100	-	0.02	0.09	0.16
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.01	0.08	0.14
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.34	1.95	3.41
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.09	0.52	0.91
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.25	1.41	2.47
Spokane, WA	CO	Maintenance	100	-	0.24	1.39	2.44
Springfield (western MA), MA	Ozone	Moderate	50	-	0.67	3.84	6.73
Springfield, MA	CO	Maintenance	100	-	0.12	0.68	1.18
St Louis, MO	CO	Maintenance	100	-	0.55	3.18	5.57
St Louis, MO-IL	Ozone	Moderate	50	-	2.09	11.96	20.96
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	2.07	11.88	20.82
State College, PA	Ozone	Maintenance	100	-	0.14	0.82	1.44
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.02	0.11	0.19
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.03	0.16	0.27
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.06	0.35	0.61
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.06	0.35	0.61
Stockton, CA	CO	Maintenance	100	-	0.46	2.62	4.59
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.36	2.08	3.65
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Terre Haute, IN	Ozone	Maintenance	100	-	0.08	0.48	0.83

Table B1-44
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Formaldehyde 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Tioga County, PA	Ozone	Maintenance	100	-	0.04	0.22	0.38
Toledo, OH	Ozone	Maintenance	100	-	0.39	2.21	3.88
Toms River, NJ	CO	Maintenance	100	-	0.09	0.52	0.92
Tooele County, UT	SO _x	Nonattainment	100	-	0.08	0.47	0.82
Trenton, NJ	CO	Maintenance	100	-	0.07	0.40	0.70
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.02	0.03
Tucson, AZ	CO	Maintenance	100	-	0.85	4.89	8.58
Utah County, UT	PM ₁₀	Moderate	100	-	0.42	2.39	4.19
Vancouver, WA	CO	Maintenance	100	-	0.28	1.63	2.86
Ventura County, CA	Ozone	Serious	50	-	0.79	4.53	7.93
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.03	0.05
Vigo County, IN	SO _x	Maintenance	100	-	0.08	0.48	0.83
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.04	0.24	0.42
Warren County, NJ	SO _x	Maintenance	100	-	0.03	0.16	0.28
Warren County, PA	SO _x	Nonattainment	100	-	0.01	0.05	0.09
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.16	0.90	1.58
Washington, DC-MD-VA	CO	Maintenance	100	-	1.27	7.30	12.79
Washington, DC-MD-VA	Ozone	Moderate	50	-	4.56	26.15	45.82
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	4.46	25.54	44.75
Washoe County, NV	PM ₁₀	Serious	70	-	0.19	1.08	1.89
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.02	0.03
Wayne County, IN	SO _x	Maintenance	100	-	0.04	0.25	0.45
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.09	0.54	0.95
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.03	0.05
Weirton, WV	SO _x	Maintenance	100	-	0.01	0.04	0.07
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.09	0.53	0.93
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.09	0.53	0.93
Winston-Salem, NC	CO	Maintenance	100	-	0.32	1.83	3.21
Worcester, MA	CO	Maintenance	100	-	0.19	1.09	1.91
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.07	0.42	0.74
Yakima, WA	CO	Maintenance	100	-	0.04	0.21	0.36
York, PA	Ozone	Maintenance	100	-	0.36	2.07	3.63
York, PA	PM _{2.5}	Nonattainment	100	-	0.28	1.60	2.81
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.42	2.39	4.19
Yuma, AZ	PM ₁₀	Moderate	100	-	0.17	0.95	1.67

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

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

c/ Emissions thresholds in tons/year of: VOC or NO_x in ozone NAAs; primary PM_{2.5} in PM_{2.5} NAAs. Source: 40 CFR 51.853. These thresholds

Table B1-44
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Analysis B
Formaldehyde 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks

are provided for information only; a general conformity determination is not required for the proposed actions.
 Source: EPA, 2008.

Cumulative Analysis

Table B2-1
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles -- Cumulative
Carbon Monoxide (CO) 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.22	0.26	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.44	0.52	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.45	0.54	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	136.03	162.43	0.01
Albuquerque, NM	CO	Maintenance	100	-	63.03	75.26	0.06
Allegan County, MI	Ozone	Former Subpart 1	50	-	15.17	18.12	0.01
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	63.18	75.43	-0.13
Altoona, PA	Ozone	Maintenance	100	-	11.14	13.31	0.01
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	16.38	19.56	0.01
Anchorage, AK	CO	Maintenance	100	-	14.74	17.60	0.01
Anthony, NM	PM ₁₀	Moderate	100	-	0.81	0.96	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.52	0.63	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.74	0.88	0.00
Atlanta, GA	Ozone	Moderate	50	-	702.13	838.43	0.18
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	702.55	838.92	0.18
Atlantic City, NJ	CO	Maintenance	100	-	5.54	6.62	0.00
Bakersfield, CA	CO	Maintenance	100	-	45.37	54.04	-1.58
Baltimore, MD	CO	Maintenance	100	-	1.09	1.30	-0.03
Baltimore, MD	Ozone	Moderate	50	-	315.37	376.53	-0.60
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	315.36	376.52	-0.60
Baton Rouge, LA	Ozone	Moderate	50	-	4.20	-9.43	-172.65
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-18.70	-34.73	-148.18
Benton County, TN	SO _x	Maintenance	100	-	0.12	0.15	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	19.81	23.66	-0.00
Benzie County, MI	Ozone	Maintenance	100	-	2.34	2.79	0.00
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	15.47	18.47	0.01
Billings, MT	CO	Maintenance	100	-	-4.59	-7.96	-29.67
Birmingham, AL	Ozone	Maintenance	100	-	108.93	129.98	-1.15
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	109.28	130.40	-1.15
Boise-Northern Ada County, ID	CO	Maintenance	100	-	33.98	40.54	-0.38
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	33.98	40.54	-0.38
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	1.72	2.05	0.00
Boston, MA	CO	Maintenance	100	-	91.57	109.36	0.08
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	543.99	649.62	0.48
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	68.60	81.92	0.06
Boyd County (part), KY	SO _x	Maintenance	100	-	1.06	1.27	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	124.13	148.24	0.11
Burlington, NJ	CO	Maintenance	100	-	0.92	1.09	0.00
Butte, MT	PM ₁₀	Moderate	100	-	2.31	2.76	0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	2.02	2.41	0.00

Table B2-1
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles -- Cumulative
Carbon Monoxide (CO) 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Canton-Massillon, OH	Ozone	Maintenance	100	-	28.79	33.75	-7.46
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	28.79	33.75	-7.46
Case County, MI	Ozone	Maintenance	100	-	4.70	5.62	0.00
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.07	0.09	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.71	0.85	0.00
Charleston, WV	Ozone	Maintenance	100	-	30.33	36.22	0.03
Charleston, WV	PM _{2.5}	Nonattainment	100	-	30.33	36.22	0.03
Charlotte, NC	CO	Maintenance	100	-	77.01	91.96	0.07
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	173.03	206.63	0.15
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	58.77	70.18	0.04
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	53.34	63.70	0.04
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	654.08	762.31	-223.73
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	679.58	792.76	-223.70
Chico, CA	CO	Maintenance	100	-	10.87	12.98	0.01
Chico, CA	Ozone	Former Subpart 1	50	-	25.43	30.37	0.02
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	210.09	250.88	0.19
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	204.08	243.71	0.18
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	1.54	1.84	-0.00
Clark County, NV	PM ₁₀	Serious	70	-	154.22	184.17	0.14
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	27.28	32.58	0.02
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	19.40	23.17	0.02
Cleveland, OH	CO	Maintenance	100	-	103.02	123.02	0.09
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	277.53	331.42	0.25
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	256.27	306.03	0.23
Coachella Valley, CA	PM ₁₀	Serious	70	-	64.56	77.10	0.06
Colbert County, AL	SO _x	Maintenance	100	-	6.58	7.86	0.01
Colorado Springs, CO	CO	Maintenance	100	-	60.88	72.59	-1.31
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.57	0.68	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	69.41	82.88	0.06
Columbus, OH	Ozone	Maintenance	100	-	175.81	209.95	0.16
Columbus, OH	PM _{2.5}	Nonattainment	100	-	162.93	194.57	0.14
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.37	0.44	-0.01
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.04	0.05	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	103.02	123.02	0.09
Cuyahoga County, OH	SO _x	Maintenance	100	-	83.93	100.23	0.07
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	723.86	864.34	-0.30
Dayton-Springfield, OH	Ozone	Maintenance	100	-	90.64	108.24	0.08
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	80.20	95.77	0.07
Denver Metro, CO	PM ₁₀	Maintenance	100	-	304.43	362.11	-16.79
Denver-Boulder, CO	CO	Maintenance	100	-	290.90	345.96	-16.80
Denver-Boulder-Greeley-Fort Collins-Loveland,	Ozone	Former	50	-	368.35	438.45	-16.76

Table B2-1
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles -- Cumulative
Carbon Monoxide (CO) 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
CO		Subpart 1					
Detroit, MI	CO	Maintenance	100	-	171.36	204.07	-6.50
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	490.88	585.47	-8.20
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	481.71	574.52	-8.21
Door County, WI	Ozone	Former Subpart 1	50	-	3.87	4.63	0.00
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	3.80	4.54	0.00
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	2.99	3.57	0.00
Duluth, MN	CO	Maintenance	100	-	8.88	10.60	0.01
Eagle River, AK	PM ₁₀	Moderate	100	-	0.88	1.06	0.00
East Chicago, IN	CO	Maintenance	100	-	0.12	0.14	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	-25.31	-39.76	-114.08
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.11	0.13	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	47.53	56.00	-8.94
El Paso, TX	CO	Maintenance	100	-	3.35	3.99	-0.01
Erie, PA	Ozone	Maintenance	100	-	24.67	29.46	0.02
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.16	0.19	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	24.37	29.10	0.02
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	23.27	27.78	0.02
Evansville, IN	Ozone	Maintenance	100	-	27.18	32.46	0.02
Evansville, IN	PM _{2.5}	Nonattainment	100	-	35.04	41.84	0.03
Fairbanks, AK	CO	Maintenance	100	-	1.80	2.15	0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	31.50	37.62	0.03
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.74	0.89	0.00
Flint, MI	Ozone	Maintenance	100	-	55.98	66.85	0.05
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.13	0.15	0.00
Fort Collins, CO	CO	Maintenance	100	-	18.27	21.82	0.02
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.08	0.10	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	38.93	46.49	0.03
Franklin County, PA	Ozone	Maintenance	100	-	16.11	19.24	0.01
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.08	0.10	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	13.91	16.62	0.01
Fredericksburg, VA	Ozone	Maintenance	100	-	42.74	51.04	0.04
Freehold, NJ	CO	Maintenance	100	-	1.78	2.12	0.00
Fresno, CA	CO	Maintenance	100	-	61.23	73.11	-0.13
Grand Rapids, MI	Ozone	Maintenance	100	-	85.42	102.01	0.08
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	4.46	5.33	-0.00
Grant County, NM	SO _x	Maintenance	100	-	0.30	0.35	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.05	0.06	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	3.41	4.07	0.00
Great Falls, MT	CO	Maintenance	100	-	2.16	2.58	0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	177.03	211.39	-0.08

Table B2-1
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles -- Cumulative
Carbon Monoxide (CO) 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Greeley, CO	CO	Maintenance	100	-	12.94	15.45	0.01
Green Bay, WI	SO _x	Maintenance	100	-	13.03	15.56	0.01
Greene County, IN	Ozone	Maintenance	100	-	5.19	6.20	0.00
Greene County, PA	Ozone	Maintenance	100	-	4.91	5.86	0.00
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	173.95	207.70	-0.15
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	86.23	102.95	-0.23
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	96.82	115.59	-0.24
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	2.42	2.89	0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	12.24	14.62	0.01
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	90.18	107.68	-0.02
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	83.27	99.43	-0.03
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	114.98	137.29	-0.13
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	1.04	1.24	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	4.04	4.82	0.00
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.52	0.63	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	4.32	5.16	-0.01
Hickory, NC	PM _{2.5}	Nonattainment	100	-	19.35	23.10	0.02
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	31.67	37.82	0.03
Hollis Township, IL	SO _x	Maintenance	100	-	0.26	0.31	-0.00
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	492.40	567.66	-242.69
Humphreys County, TN	SO _x	Maintenance	100	-	0.29	0.35	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-13.96	-26.10	-112.65
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-28.87	-43.90	-112.66
Huron County, MI	Ozone	Maintenance	100	-	3.08	3.68	0.00
Imperial County, CA	Ozone	Moderate	50	-	22.56	26.94	0.02
Imperial Valley, CA	PM ₁₀	Serious	70	-	22.05	26.33	0.02
Indian Wells, CA	PM ₁₀	Maintenance	100	-	3.61	4.32	0.00
Indianapolis, IN	CO	Maintenance	100	-	0.11	0.13	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	211.63	252.72	0.19
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	167.60	200.15	0.15
Jackson County, IN	Ozone	Maintenance	100	-	8.52	10.18	0.01
Jamestown, NY	Ozone	Former Subpart 1	50	-	16.70	19.94	0.01
Jefferson County, NY	Ozone	Moderate	50	-	13.25	15.82	0.01
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.86	1.03	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	23.42	27.97	0.02
Johnstown, PA	Ozone	Maintenance	100	-	11.32	13.51	0.01
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	12.39	14.80	0.01
Juneau, AK	PM ₁₀	Moderate	100	-	1.10	1.31	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	54.26	64.80	0.05
Kalispell, MT	PM ₁₀	Moderate	100	-	3.05	3.64	0.00

Table B2-1
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles -- Cumulative
Carbon Monoxide (CO) 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Kansas City, MO-KS	Ozone	Maintenance	100	-	175.35	209.32	-0.84
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	15.10	18.03	0.01
Kent, WA	PM ₁₀	Maintenance	100	-	2.60	3.10	0.00
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	8.84	10.56	0.01
Kewaunee County, WI	Ozone	Maintenance	100	-	2.66	3.18	0.00
King County, WA	PM ₁₀	Maintenance	100	-	1.07	1.28	0.00
Klamath Falls, OR	CO	Maintenance	100	-	5.34	6.37	0.00
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	5.34	6.37	0.00
Knoxville, TN	Ozone	Former Subpart 1	50	-	123.96	148.03	0.11
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	96.44	115.17	0.09
La Porte County, IN	SO _x	Maintenance	100	-	3.79	4.53	0.00
LaGrande, OR	PM ₁₀	Maintenance	100	-	1.61	1.92	0.00
Lake County, IN	SO _x	Maintenance	100	-	32.92	39.29	-0.29
Lake County, OH	SO _x	Maintenance	100	-	3.85	4.60	0.00
Lake County, OR	PM ₁₀	Maintenance	100	-	0.66	0.79	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	2.89	3.45	0.00
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	6.15	7.34	0.01
Lake Tahoe, NV	CO	Maintenance	100	-	2.15	2.57	0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	0.96	1.14	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.16	0.19	0.00
Lancaster, PA	Ozone	Maintenance	100	-	47.79	57.06	-0.09
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	47.79	57.06	-0.09
Lane County, OR	PM ₁₀	Moderate	100	-	0.16	0.19	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	50.97	60.86	0.05
LaPorte, IN	Ozone	Maintenance	100	-	10.62	12.69	0.01
Las Vegas, NV	CO	Serious	100	-	154.22	184.17	0.14
Las Vegas, NV	Ozone	Former Subpart 1	50	-	156.64	187.05	0.14
Lauderdale County, AL	SO _x	Maintenance	100	-	9.55	11.40	0.01
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.19	0.22	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.48	0.57	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.64	0.76	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	1.54	1.84	-0.00
Lima, OH	Ozone	Maintenance	100	-	3.11	1.98	-20.76
Longmont, CO	CO	Maintenance	100	-	9.44	11.27	0.01
Lorain County, OH	SO _x	Maintenance	100	-	4.91	5.86	0.00
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	1,526.69	1,808.23	-176.68
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	1,526.69	1,808.23	-176.68
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	1,526.69	1,808.23	-176.68
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	1,526.71	1,808.25	-176.68
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	1,526.61	1,808.14	-176.68
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	72.19	86.20	0.06

Table B2-1
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles -- Cumulative
Carbon Monoxide (CO) 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Louisville, KY-IN	Ozone	Maintenance	100	-	121.44	145.01	0.11
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	117.82	140.70	0.10
Lowell, MA	CO	Maintenance	100	-	11.99	14.32	0.01
Lucas County, OH	SO _x	Maintenance	100	-	32.56	38.88	0.03
Lyons Township, IL	PM ₁₀	Maintenance	100	-	6.76	8.07	0.00
Macon, GA	Ozone	Maintenance	100	-	22.92	27.37	0.02
Macon, GA	PM _{2.5}	Nonattainment	100	-	22.69	27.09	0.02
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.32	0.38	0.00
Madison, WI	SO _x	Maintenance	100	-	25.37	30.29	0.02
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.93	1.11	0.00
Manchester, NH	CO	Maintenance	100	-	8.42	10.05	0.01
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	10.96	13.09	0.01
Marion County, IN	SO _x	Maintenance	100	-	33.98	40.58	0.03
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	11.37	13.58	0.01
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	34.03	40.64	0.03
Mason County, MI	Ozone	Maintenance	100	-	2.80	3.34	0.00
Medford, OR	CO	Maintenance	100	-	8.03	9.59	0.01
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	19.11	22.82	0.02
Memphis, TN-AR	Ozone	Maintenance	100	-	104.31	123.75	-9.72
Memphis, TN	CO	Maintenance	100	-	95.47	113.19	-9.73
Miami (Gila County), AZ	SO _x	Maintenance	100	-	3.05	3.64	0.00
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.58	0.69	-0.00
Milwaukee, WI	SO _x	Maintenance	100	-	57.35	68.48	0.05
Milwaukee-Racine, WI	Ozone	Moderate	50	-	189.41	226.19	0.17
Minneapolis-St Paul, MN	CO	Maintenance	100	-	200.01	217.84	-250.92
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	295.71	353.05	-0.67
Missoula, MT	CO	Maintenance	100	-	6.30	7.48	-0.46
Missoula, MT	PM ₁₀	Moderate	100	-	6.10	7.25	-0.44
Modesto, CA	CO	Maintenance	100	-	31.41	37.51	0.03
Mohave County, AZ	PM ₁₀	Maintenance	100	-	10.54	12.58	0.01
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.14	0.17	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.36	0.43	0.00
Morristown, NJ	CO	Maintenance	100	-	3.37	4.03	0.00
Muhlenberg County, KY	SO _x	Maintenance	100	-	3.16	3.78	0.00
Muncie, IN	Ozone	Maintenance	100	-	12.79	15.27	0.01
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.46	0.55	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	1.61	1.93	0.00
Muskegon, MI	Ozone	Maintenance	100	-	13.78	16.45	-0.01
Nashua, NH	CO	Maintenance	100	-	6.70	8.00	0.01
Nashville, TN	Ozone	Former Subpart 1	50	-	172.08	205.47	-0.16
Nevada County (western part), CA	Ozone	Former	50	-	13.86	16.55	0.01

Table B2-1
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles -- Cumulative
Carbon Monoxide (CO) 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
		Subpart 1					
New Haven County, CT	PM ₁₀	Maintenance	100	-	14.52	17.34	0.01
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	84.85	101.33	0.08
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.66	0.79	0.00
New York County, NY	PM ₁₀	Moderate	100	-	49.88	59.57	0.04
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	836.91	998.59	-9.02
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	1,581.79	1,887.70	-13.26
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	1,568.57	1,871.92	-13.27
Nogales, AZ	PM ₁₀	Moderate	100	-	4.31	5.15	0.00
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-142.27	-232.39	-746.81
Ogden, UT	CO	Maintenance	100	-	7.58	9.05	0.01
Ogden, UT	PM ₁₀	Moderate	100	-	7.58	9.05	0.01
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.27	0.32	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	2.30	2.74	0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	11.13	13.29	0.01
Owens Valley, CA	PM ₁₀	Serious	70	-	0.39	0.47	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.02	0.02	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	15.70	18.74	0.01
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	15.80	18.87	0.01
Payson, AZ	PM ₁₀	Maintenance	100	-	2.04	2.43	0.00
Penns Grove, NJ	CO	Maintenance	100	-	0.05	0.06	0.00
Peoria, IL	SO _x	Maintenance	100	-	10.85	12.95	-0.03
Perth Amboy, NJ	CO	Maintenance	100	-	6.08	6.86	-4.76
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	42.81	51.12	0.04
Philidelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	418.26	487.77	-139.52
Philidelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	640.37	753.00	-139.45
Phoenix, AZ	CO	Maintenance	100	-	467.48	558.23	0.13
Phoenix, AZ	PM ₁₀	Serious	70	-	482.32	575.94	0.14
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	484.05	578.01	0.14
Pierce County, WA	PM ₁₀	Maintenance	100	-	1.16	1.38	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.15	0.18	0.00
Pittsburgh, PA	CO	Maintenance	100	-	2.40	2.87	-0.00
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	216.45	258.45	-0.06
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	197.77	236.15	-0.07
Polk County, TN	SO _x	Maintenance	100	-	2.26	2.70	0.00
Polson, MT	PM ₁₀	Moderate	100	-	0.30	0.36	0.00
Portland, ME	Ozone	Maintenance	100	-	59.50	70.98	-0.74
Portland, OR	CO	Maintenance	100	-	123.89	147.88	-0.62
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	4.73	5.65	0.00

Table B2-1
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles -- Cumulative
Carbon Monoxide (CO) 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Poughkeepsie, NY	Ozone	Moderate	50	-	141.29	168.73	0.13
Presque Isle, ME	PM ₁₀	Maintenance	100	-	1.01	1.21	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	103.85	123.93	-0.90
Provo, UT	CO	Maintenance	100	-	16.82	20.09	0.01
Raleigh-Durham, NC	CO	Maintenance	100	-	135.86	162.22	-0.06
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	185.49	221.49	-0.01
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.21	0.25	-0.00
Reading, PA	Ozone	Maintenance	100	-	35.70	42.64	0.03
Reading, PA	PM _{2.5}	Nonattainment	100	-	35.70	42.64	0.03
Reno, NV	CO	Maintenance	100	-	26.04	31.09	0.02
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.10	0.12	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	130.82	156.21	-0.13
Rillito, AZ	PM ₁₀	Moderate	100	-	4.98	5.94	0.00
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	64.56	77.10	0.06
Roanoke, VA	Ozone	Former Subpart 1	50	-	28.32	33.82	0.03
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	8.47	10.11	0.01
Rochester, NY	Ozone	Former Subpart 1	50	-	143.33	171.16	0.13
Rocky Mount, NC	Ozone	Maintenance	100	-	20.09	23.99	0.02
Rome, GA	PM _{2.5}	Nonattainment	100	-	12.90	15.41	0.01
Ronan, MT	PM ₁₀	Moderate	100	-	0.12	0.14	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.27	0.33	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	152.14	181.68	0.13
Sacramento Metro, CA	Ozone	Severe	25	-	270.63	323.08	-1.04
Sacramento, CA	CO	Maintenance	100	-	169.04	201.85	-0.01
Salem, OR	CO	Maintenance	100	-	14.10	16.83	0.01
Salt Lake City, UT	CO	Maintenance	100	-	21.22	25.10	-2.83
Salt Lake County, UT	PM ₁₀	Moderate	100	-	107.71	128.38	-2.76
Salt Lake County, UT	SO _x	Nonattainment	100	-	108.89	130.04	0.10
San Antonio, TX	Ozone	Former Subpart 1	50	-	195.44	233.36	-0.11
San Bernardino County, CA	PM ₁₀	Moderate	100	-	44.71	53.40	0.04
San Diego, CA	CO	Maintenance	100	-	426.36	509.15	0.38
San Diego, CA	Ozone	Former Subpart 1	50	-	427.15	510.09	0.38
San Francisco Bay Area, CA	Ozone	Marginal	50	-	651.03	774.14	-38.94
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	741.13	881.73	-38.86
San Joaquin Valley, CA	Ozone	Extreme	10	-	463.82	553.72	-1.52
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	465.97	556.28	-1.52
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	463.82	553.72	-1.52
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	3.46	4.13	0.00
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.07	0.09	0.00

Table B2-1
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles -- Cumulative
Carbon Monoxide (CO) 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	71.66	85.58	0.06
Seattle-Tacoma, WA	CO	Maintenance	100	-	313.63	374.52	0.28
Sheboygan, WI	Ozone	Moderate	50	-	12.57	15.01	0.01
Sheridan, WY	PM ₁₀	Moderate	100	-	2.35	2.81	0.00
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	1.84	2.20	0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	48.37	57.76	-0.01
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	19.49	23.28	0.01
Spokane County, WA	PM ₁₀	Maintenance	100	-	31.20	37.26	0.03
Spokane, WA	CO	Maintenance	100	-	30.89	36.89	0.03
Springfield (western MA), MA	Ozone	Moderate	50	-	95.41	113.91	-0.34
Springfield, MA	CO	Maintenance	100	-	15.22	18.16	-0.14
St Louis, MO	CO	Maintenance	100	-	101.61	121.34	0.09
St Louis, MO-IL	Ozone	Moderate	50	-	303.23	358.71	-40.42
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	301.13	356.20	-40.43
State College, PA	Ozone	Maintenance	100	-	17.90	21.38	0.02
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	1.85	2.21	0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	4.69	5.60	0.00
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	9.65	11.35	-2.14
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	9.65	11.35	-2.14
Stockton, CA	CO	Maintenance	100	-	47.36	56.56	0.04
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	55.52	66.30	0.05
Telluride, CO	PM ₁₀	Maintenance	100	-	0.14	0.17	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	14.48	17.29	0.01
Tioga County, PA	Ozone	Maintenance	100	-	6.15	7.34	0.01
Toledo, OH	Ozone	Maintenance	100	-	34.27	35.87	-60.33
Toms River, NJ	CO	Maintenance	100	-	10.29	12.29	0.01
Tooele County, UT	SO _x	Nonattainment	100	-	10.66	12.73	0.01
Trenton, NJ	CO	Maintenance	100	-	9.42	11.25	0.01
Trona, CA	PM ₁₀	Moderate	100	-	0.32	0.38	0.00
Tucson, AZ	CO	Maintenance	100	-	103.69	123.82	0.09
Utah County, UT	PM ₁₀	Moderate	100	-	50.58	60.40	0.04
Vancouver, WA	CO	Maintenance	100	-	31.92	38.12	0.03
Ventura County, CA	Ozone	Serious	50	-	85.60	102.14	-0.92
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.79	0.94	0.00
Vigo County, IN	SO _x	Maintenance	100	-	14.48	17.29	0.01
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	6.06	7.24	0.01
Warren County, NJ	SO _x	Maintenance	100	-	3.81	4.55	0.00
Warren County, PA	SO _x	Nonattainment	100	-	1.54	1.83	-0.06
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	22.83	27.26	0.02

Table B2-1
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles -- Cumulative
Carbon Monoxide (CO) 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Washington, DC-MD-VA	CO	Maintenance	100	-	166.64	198.99	0.15
Washington, DC-MD-VA	Ozone	Moderate	50	-	565.19	674.93	0.50
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	553.68	661.19	0.49
Washoe County, NV	PM ₁₀	Serious	70	-	26.04	31.09	0.02
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.44	0.53	0.00
Wayne County, IN	SO _x	Maintenance	100	-	7.93	9.47	0.01
Wayne County, MI	PM ₁₀	Maintenance	100	-	5.83	6.60	-4.40
Weirton, WV	PM ₁₀	Maintenance	100	-	1.08	1.29	0.00
Weirton, WV	SO _x	Maintenance	100	-	1.41	1.69	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	16.48	19.68	0.01
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	16.48	19.68	0.01
Winston-Salem, NC	CO	Maintenance	100	-	43.70	52.19	0.04
Worcester, MA	CO	Maintenance	100	-	22.76	27.17	0.02
Yakima County, WA	PM ₁₀	Maintenance	100	-	9.84	11.76	0.01
Yakima, WA	CO	Maintenance	100	-	3.93	4.70	0.00
York, PA	Ozone	Maintenance	100	-	46.95	56.06	0.04
York, PA	PM _{2.5}	Nonattainment	100	-	36.54	43.64	0.03
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	69.94	83.52	0.06
Yuma, AZ	PM ₁₀	Moderate	100	-	19.19	22.92	0.02

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

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

c/ Emissions thresholds in tons/year of: VOC or NO_x in ozone NAAs; primary PM_{2.5} in PM_{2.5} NAAs. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the proposed actions. Source: EPA, 2008.

**Table B2-2
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Carbon Monoxide (CO) 2025**

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.54	0.45	-1.38
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	1.14	0.93	-2.88
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	1.18	0.97	-3.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	354.26	290.75	-896.97
Albuquerque, NM	CO	Maintenance	100	-	163.37	134.11	-413.42
Allegan County, MI	Ozone	Former Subpart 1	50	-	40.38	33.15	-102.18
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	164.23	134.70	-416.37
Altoona, PA	Ozone	Maintenance	100	-	28.23	23.18	-71.45
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	46.09	37.83	-116.63
Anchorage, AK	CO	Maintenance	100	-	39.40	32.34	-99.69
Anthony, NM	PM ₁₀	Moderate	100	-	2.08	1.71	-5.27
Armstrong County, PA	SO _x	Nonattainment	100	-	1.36	1.11	-3.44
Aspen, CO	PM ₁₀	Maintenance	100	-	1.95	1.60	-4.93
Atlanta, GA	Ozone	Moderate	50	-	1,856.80	1,524.01	-4,700.64
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	1,857.82	1,524.85	-4,703.24
Atlantic City, NJ	CO	Maintenance	100	-	14.25	11.69	-36.05
Bakersfield, CA	CO	Maintenance	100	-	120.91	98.28	-312.52
Baltimore, MD	CO	Maintenance	100	-	2.78	2.27	-7.15
Baltimore, MD	Ozone	Moderate	50	-	828.11	679.28	-2,099.17
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	828.10	679.27	-2,099.14
Baton Rouge, LA	Ozone	Moderate	50	-	27.78	-81.39	-766.52
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-35.94	-118.93	-506.52
Benton County, TN	SO _x	Maintenance	100	-	0.32	0.26	-0.81
Benton Harbor, MI	Ozone	Maintenance	100	-	49.91	40.96	-126.38
Benzie County, MI	Ozone	Maintenance	100	-	6.35	5.21	-16.06
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	40.67	33.39	-102.93
Billings, MT	CO	Maintenance	100	-	-9.11	-25.38	-96.58
Birmingham, AL	Ozone	Maintenance	100	-	279.79	228.93	-713.08
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	280.70	229.67	-715.38
Boise-Northern Ada County, ID	CO	Maintenance	100	-	89.75	73.43	-228.77
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	89.75	73.43	-228.77
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	4.63	3.80	-11.71
Boston, MA	CO	Maintenance	100	-	236.37	194.04	-598.17
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	1,415.45	1,161.97	-3,581.97
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	180.28	147.99	-456.22
Boyd County (part), KY	SO _x	Maintenance	100	-	2.69	2.21	-6.81
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	319.61	262.38	-808.83
Burlington, NJ	CO	Maintenance	100	-	2.28	1.87	-5.76
Butte, MT	PM ₁₀	Moderate	100	-	5.78	4.74	-14.62
Canon City, CO	PM ₁₀	Maintenance	100	-	5.40	4.43	-13.66
Canton-Massillon, OH	Ozone	Maintenance	100	-	74.11	56.32	-217.73
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	74.11	56.32	-217.73
Case County, MI	Ozone	Maintenance	100	-	12.09	9.92	-30.60
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.19	0.16	-0.48
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	1.76	1.45	-4.46
Charleston, WV	Ozone	Maintenance	100	-	76.63	62.90	-193.91
Charleston, WV	PM _{2.5}	Nonattainment	100	-	76.63	62.90	-193.91

**Table B2-2
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Carbon Monoxide (CO) 2025**

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Charlotte, NC	CO	Maintenance	100	-	204.21	167.64	-516.79
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	456.66	374.88	-1,155.63
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	151.31	124.20	-382.95
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	137.76	113.08	-348.66
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	1,736.83	1,290.42	-5,299.75
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	1,803.52	1,345.16	-5,468.52
Chico, CA	CO	Maintenance	100	-	30.16	24.76	-76.32
Chico, CA	Ozone	Former Subpart 1	50	-	69.50	57.05	-175.87
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	546.37	448.53	-1,382.67
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	530.42	435.43	-1,342.30
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	3.85	3.16	-9.75
Clark County, NV	PM ₁₀	Serious	70	-	416.68	342.06	-1,054.47
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	71.96	59.07	-182.10
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	49.93	40.99	-126.35
Cleveland, OH	CO	Maintenance	100	-	259.14	212.73	-655.79
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	713.11	585.40	-1,804.60
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	657.54	539.78	-1,663.99
Coachella Valley, CA	PM ₁₀	Serious	70	-	177.51	145.72	-449.20
Colbert County, AL	SO _x	Maintenance	100	-	16.52	13.56	-41.81
Colorado Springs, CO	CO	Maintenance	100	-	162.58	132.63	-416.94
Columbia Falls, MT	PM ₁₀	Moderate	100	-	1.52	1.25	-3.85
Columbia, SC	Ozone	Former Subpart 1	50	-	180.38	148.07	-456.46
Columbus, OH	Ozone	Maintenance	100	-	466.13	382.66	-1,179.61
Columbus, OH	PM _{2.5}	Nonattainment	100	-	432.36	354.93	-1,094.13
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.91	0.74	-2.37
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.10	0.08	-0.25
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	259.15	212.74	-655.81
Cuyahoga County, OH	SO _x	Maintenance	100	-	211.89	173.95	-536.22
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	1,933.03	1,586.29	-4,895.59
Dayton-Springfield, OH	Ozone	Maintenance	100	-	231.46	190.01	-585.75
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	204.58	167.94	-517.71
Denver Metro, CO	PM ₁₀	Maintenance	100	-	810.91	655.40	-2,120.89
Denver-Boulder, CO	CO	Maintenance	100	-	774.92	625.85	-2,029.80
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	981.05	795.04	-2,551.57
Detroit, MI	CO	Maintenance	100	-	433.78	352.10	-1,124.45
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	1,273.64	1,040.33	-3,257.94
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	1,249.81	1,020.78	-3,197.64
Door County, WI	Ozone	Former Subpart 1	50	-	10.21	8.39	-25.85
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	9.80	8.05	-24.81
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	7.76	6.37	-19.63
Duluth, MN	CO	Maintenance	100	-	22.55	18.51	-57.06
Eagle River, AK	PM ₁₀	Moderate	100	-	2.38	1.95	-6.02
East Chicago, IN	CO	Maintenance	100	-	0.29	0.24	-0.75
East Chicago, IN	PM ₁₀	Maintenance	100	-	-55.65	-114.52	-319.09
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.28	0.23	-0.70
El Paso County, TX	PM ₁₀	Moderate	100	-	125.80	97.85	-354.58
El Paso, TX	CO	Maintenance	100	-	8.68	7.12	-22.00

**Table B2-2
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Carbon Monoxide (CO) 2025**

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Erie, PA	Ozone	Maintenance	100	-	63.09	51.79	-159.66
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.43	0.36	-1.10
Eugene-Springfield, OR	CO	Maintenance	100	-	63.82	52.39	-161.49
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	60.99	50.07	-154.34
Evansville, IN	Ozone	Maintenance	100	-	70.19	57.62	-177.62
Evansville, IN	PM _{2.5}	Nonattainment	100	-	90.26	74.10	-228.42
Fairbanks, AK	CO	Maintenance	100	-	4.81	3.95	-12.17
Fayetteville, NC	Ozone	Former Subpart 1	50	-	81.75	67.11	-206.88
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	1.99	1.63	-5.03
Flint, MI	Ozone	Maintenance	100	-	143.86	118.10	-364.06
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.31	0.26	-0.79
Fort Collins, CO	CO	Maintenance	100	-	48.99	40.22	-123.97
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.20	0.16	-0.50
Fort Wayne, IN	Ozone	Maintenance	100	-	101.10	83.00	-255.85
Franklin County, PA	Ozone	Maintenance	100	-	42.18	34.62	-106.73
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.21	0.17	-0.53
Frederick County, VA	Ozone	Former Subpart 1	50	-	36.19	29.71	-91.58
Fredericksburg, VA	Ozone	Maintenance	100	-	115.08	94.47	-291.23
Freehold, NJ	CO	Maintenance	100	-	4.80	3.94	-12.14
Fresno, CA	CO	Maintenance	100	-	163.38	134.01	-414.17
Grand Rapids, MI	Ozone	Maintenance	100	-	225.04	184.74	-569.50
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	11.29	9.27	-28.59
Grant County, NM	SO _x	Maintenance	100	-	0.74	0.61	-1.87
Grants Pass, OR	CO	Maintenance	100	-	0.12	0.10	-0.31
Grants Pass, OR	PM ₁₀	Maintenance	100	-	9.12	7.49	-23.08
Great Falls, MT	CO	Maintenance	100	-	5.41	4.44	-13.68
Greater Connecticut, CT	Ozone	Moderate	50	-	455.17	373.51	-1,152.81
Greeley, CO	CO	Maintenance	100	-	34.17	28.05	-86.48
Green Bay, WI	SO _x	Maintenance	100	-	34.08	27.97	-86.23
Greene County, IN	Ozone	Maintenance	100	-	13.46	11.05	-34.07
Greene County, PA	Ozone	Maintenance	100	-	12.57	10.32	-31.81
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	449.37	368.71	-1,138.41
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	222.04	182.09	-563.14
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	248.20	203.55	-629.42
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	6.24	5.12	-15.79
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	31.88	26.17	-80.67
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	237.05	194.54	-600.29
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	218.81	179.57	-554.14
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	294.47	241.59	-746.14
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	2.78	2.28	-7.03
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	10.86	8.91	-27.47
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	1.36	1.12	-3.45
Hazelwood, PA	SO _x	Maintenance	100	-	11.11	9.11	-28.16
Hickory, NC	PM _{2.5}	Nonattainment	100	-	49.30	40.48	-124.77
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	81.22	66.67	-205.53
Hollis Township, IL	SO _x	Maintenance	100	-	0.67	0.55	-1.69
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	1,320.29	937.12	-4,321.54
Humphreys County, TN	SO _x	Maintenance	100	-	0.76	0.62	-1.92

Table B2-2
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Carbon Monoxide (CO) 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-27.13	-90.25	-385.55
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-65.60	-121.83	-288.17
Huron County, MI	Ozone	Maintenance	100	-	7.87	6.46	-19.92
Imperial County, CA	Ozone	Moderate	50	-	60.79	49.90	-153.83
Imperial Valley, CA	PM ₁₀	Serious	70	-	59.44	48.80	-150.43
Indian Wells, CA	PM ₁₀	Maintenance	100	-	9.28	7.62	-23.49
Indianapolis, IN	CO	Maintenance	100	-	0.27	0.22	-0.69
Indianapolis, IN	Ozone	Maintenance	100	-	555.50	456.02	-1,405.76
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	440.29	361.44	-1,114.22
Jackson County, IN	Ozone	Maintenance	100	-	21.94	18.01	-55.52
Jamestown, NY	Ozone	Former Subpart 1	50	-	42.97	35.28	-108.75
Jefferson County, NY	Ozone	Moderate	50	-	34.22	28.09	-86.60
Jefferson County, OH	PM ₁₀	Maintenance	100	-	2.14	1.76	-5.42
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	59.98	49.24	-151.79
Johnstown, PA	Ozone	Maintenance	100	-	27.96	22.95	-70.75
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	30.66	25.17	-77.59
Juneau, AK	PM ₁₀	Moderate	100	-	2.99	2.46	-7.58
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	139.72	114.70	-353.57
Kalispell, MT	PM ₁₀	Moderate	100	-	8.15	6.69	-20.62
Kansas City, MO-KS	Ozone	Maintenance	100	-	460.94	377.79	-1,170.45
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	39.77	32.64	-100.63
Kent, WA	PM ₁₀	Maintenance	100	-	6.94	5.70	-17.57
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	22.92	18.81	-58.00
Kewaunee County, WI	Ozone	Maintenance	100	-	6.82	5.60	-17.27
King County, WA	PM ₁₀	Maintenance	100	-	2.84	2.33	-7.19
Klamath Falls, OR	CO	Maintenance	100	-	13.68	11.23	-34.62
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	13.68	11.23	-34.62
Knoxville, TN	Ozone	Former Subpart 1	50	-	329.55	270.53	-833.96
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	255.00	209.34	-645.31
La Porte County, IN	SO _x	Maintenance	100	-	9.61	7.89	-24.31
LaGrande, OR	PM ₁₀	Maintenance	100	-	4.16	3.41	-10.52
Lake County, IN	SO _x	Maintenance	100	-	83.87	68.66	-213.55
Lake County, OH	SO _x	Maintenance	100	-	9.88	8.11	-25.01
Lake County, OR	PM ₁₀	Maintenance	100	-	1.68	1.38	-4.25
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	8.16	6.70	-20.64
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	17.43	14.31	-44.11
Lake Tahoe, NV	CO	Maintenance	100	-	5.60	4.60	-14.17
Lamar, CO	PM ₁₀	Maintenance	100	-	2.45	2.01	-6.19
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.39	0.32	-1.00
Lancaster, PA	Ozone	Maintenance	100	-	124.71	102.30	-316.13
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	124.71	102.30	-316.13
Lane County, OR	PM ₁₀	Moderate	100	-	0.40	0.33	-1.01
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	132.08	108.43	-334.25
LaPorte, IN	Ozone	Maintenance	100	-	26.89	22.08	-68.05
Las Vegas, NV	CO	Serious	100	-	416.68	342.06	-1,054.47
Las Vegas, NV	Ozone	Former Subpart 1	50	-	422.83	347.11	-1,070.04
Lauderdale County, AL	SO _x	Maintenance	100	-	24.32	19.97	-61.55
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.48	0.39	-1.21
Libby, MT	PM ₁₀	Moderate	100	-	1.21	1.00	-3.07

Table B2-2
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Carbon Monoxide (CO) 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Libby, MT	PM _{2.5}	Nonattainment	100	-	1.62	1.33	-4.09
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	3.85	3.16	-9.75
Lima, OH	Ozone	Maintenance	100	-	9.64	-4.62	-108.13
Longmont, CO	CO	Maintenance	100	-	25.31	20.78	-64.05
Lorain County, OH	SO _x	Maintenance	100	-	12.72	10.44	-32.18
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	4,056.91	3,222.94	-10,984.42
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	4,056.91	3,222.94	-10,984.41
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	4,056.91	3,222.94	-10,984.41
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	4,056.96	3,222.99	-10,984.54
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	4,056.71	3,222.77	-10,983.89
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	191.69	157.36	-485.10
Louisville, KY-IN	Ozone	Maintenance	100	-	312.45	256.49	-790.68
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	302.25	248.13	-764.89
Lowell, MA	CO	Maintenance	100	-	31.44	25.81	-79.57
Lucas County, OH	SO _x	Maintenance	100	-	82.67	67.86	-209.20
Lyons Township, IL	PM ₁₀	Maintenance	100	-	17.19	14.11	-43.52
Macon, GA	Ozone	Maintenance	100	-	57.97	47.59	-146.70
Macon, GA	PM _{2.5}	Nonattainment	100	-	57.36	47.09	-145.15
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.80	0.65	-2.02
Madison, WI	SO _x	Maintenance	100	-	67.94	55.78	-171.94
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	2.64	2.17	-6.68
Manchester, NH	CO	Maintenance	100	-	21.40	17.57	-54.15
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	28.04	23.02	-70.97
Marion County, IN	SO _x	Maintenance	100	-	86.57	71.07	-219.08
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	31.25	25.65	-79.08
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	88.34	72.52	-223.55
Mason County, MI	Ozone	Maintenance	100	-	7.30	5.99	-18.48
Medford, OR	CO	Maintenance	100	-	21.64	17.76	-54.75
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	51.61	42.36	-130.60
Memphis, TN-AR	Ozone	Maintenance	100	-	266.57	212.91	-714.17
Memphis, TN	CO	Maintenance	100	-	244.41	194.72	-658.07
Miami (Gila County), AZ	SO _x	Maintenance	100	-	8.16	6.70	-20.66
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	1.45	1.19	-3.69
Milwaukee, WI	SO _x	Maintenance	100	-	146.24	120.05	-370.08
Milwaukee-Racine, WI	Ozone	Moderate	50	-	493.17	404.85	-1,248.03
Minneapolis-St Paul, MN	CO	Maintenance	100	-	551.41	301.12	-2,407.93
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	775.62	636.16	-1,966.57
Missoula, MT	CO	Maintenance	100	-	16.56	13.31	-43.77
Missoula, MT	PM ₁₀	Moderate	100	-	16.04	12.90	-42.40
Modesto, CA	CO	Maintenance	100	-	85.71	70.36	-216.89
Mohave County, AZ	PM ₁₀	Maintenance	100	-	28.77	23.62	-72.82
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.40	0.33	-1.01
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.92	0.76	-2.34
Morristown, NJ	CO	Maintenance	100	-	9.04	7.42	-22.88
Muhlenberg County, KY	SO _x	Maintenance	100	-	8.03	6.59	-20.33
Muncie, IN	Ozone	Maintenance	100	-	32.03	26.29	-81.05
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	1.22	1.00	-3.10
Muscatine County, IA	SO _x	Maintenance	100	-	4.20	3.44	-10.62
Muskegon, MI	Ozone	Maintenance	100	-	35.83	29.40	-90.75
Nashua, NH	CO	Maintenance	100	-	17.07	14.01	-43.20

**Table B2-2
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Carbon Monoxide (CO) 2025**

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Nashville, TN	Ozone	Former Subpart 1	50	-	453.45	372.06	-1,148.78
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	39.10	32.10	-98.95
New Haven County, CT	PM ₁₀	Maintenance	100	-	38.53	31.63	-97.50
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	217.61	178.64	-550.70
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	1.66	1.36	-4.20
New York County, NY	PM ₁₀	Moderate	100	-	126.32	103.69	-319.66
New York-N. New Jersey-Long Island, NY- NJ-CT	CO	Maintenance	100	-	2,156.93	1,764.77	-5,497.72
New York-N. New Jersey-Long Island, NY- NJ-CT	PM _{2.5}	Nonattainment	100	-	4,100.03	3,356.93	-10,434.76
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	4,065.19	3,328.34	-10,346.60
Nogales, AZ	PM ₁₀	Moderate	100	-	11.31	9.29	-28.63
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-300.12	-697.01	-2,251.46
Ogden, UT	CO	Maintenance	100	-	19.45	15.97	-49.23
Ogden, UT	PM ₁₀	Moderate	100	-	19.45	15.97	-49.23
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.66	0.54	-1.68
Olmsted County, MN	PM ₁₀	Maintenance	100	-	5.83	4.79	-14.76
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	29.75	24.42	-75.28
Owens Valley, CA	PM ₁₀	Serious	70	-	1.07	0.88	-2.72
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.04	0.04	-0.11
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	40.14	32.95	-101.58
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	40.41	33.18	-102.27
Payson, AZ	PM ₁₀	Maintenance	100	-	5.41	4.44	-13.69
Penns Grove, NJ	CO	Maintenance	100	-	0.13	0.11	-0.33
Peoria, IL	SO _x	Maintenance	100	-	27.63	22.66	-70.06
Perth Amboy, NJ	CO	Maintenance	100	-	17.02	11.10	-62.27
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	107.98	88.64	-273.25
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	1,090.59	810.85	-3,324.00
Philidelphia-Wilmington-Atlantic City, PA- NY-MD-DE	Ozone	Moderate	50	-	1,666.90	1,283.88	-4,782.93
Phoenix, AZ	CO	Maintenance	100	-	1,305.60	1,071.62	-3,305.13
Phoenix, AZ	PM ₁₀	Serious	70	-	1,345.34	1,104.24	-3,405.70
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	1,349.90	1,107.98	-3,417.26
Pierce County, WA	PM ₁₀	Maintenance	100	-	2.96	2.43	-7.50
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.36	0.30	-0.92
Pittsburgh, PA	CO	Maintenance	100	-	6.42	5.26	-16.27
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	554.26	454.85	-1,403.64
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	506.35	415.52	-1,282.37
Polk County, TN	SO _x	Maintenance	100	-	5.81	4.77	-14.70
Polson, MT	PM ₁₀	Moderate	100	-	0.81	0.67	-2.05
Portland, ME	Ozone	Maintenance	100	-	154.62	126.45	-394.47
Portland, OR	CO	Maintenance	100	-	320.27	262.47	-813.41
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	12.14	9.97	-30.72
Poughkeepsie, NY	Ozone	Moderate	50	-	378.42	310.65	-957.63
Presque Isle, ME	PM ₁₀	Maintenance	100	-	2.55	2.10	-6.46
Providence (entire State), RI	Ozone	Moderate	50	-	271.63	222.39	-691.41
Provo, UT	CO	Maintenance	100	-	45.13	37.05	-114.22
Raleigh-Durham, NC	CO	Maintenance	100	-	361.36	296.54	-915.20

Table B2-2
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Carbon Monoxide (CO) 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	492.77	404.42	-1,247.74
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.53	0.44	-1.37
Reading, PA	Ozone	Maintenance	100	-	92.22	75.71	-233.38
Reading, PA	PM _{2.5}	Nonattainment	100	-	92.22	75.71	-233.38
Reno, NV	CO	Maintenance	100	-	67.64	55.53	-171.17
Rhinelander (Oneida County), WI	SO _x	Maintenance	100	-	0.26	0.22	-0.67
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	338.84	278.01	-858.46
Rillito, AZ	PM ₁₀	Moderate	100	-	13.50	11.09	-34.18
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	177.51	145.72	-449.20
Roanoke, VA	Ozone	Former Subpart 1	50	-	72.57	59.57	-183.64
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	22.24	18.26	-56.28
Rochester, NY	Ozone	Former Subpart 1	50	-	370.49	304.14	-937.58
Rocky Mount, NC	Ozone	Maintenance	100	-	51.41	42.20	-130.10
Rome, GA	PM _{2.5}	Nonattainment	100	-	33.24	27.29	-84.12
Ronan, MT	PM ₁₀	Moderate	100	-	0.32	0.26	-0.80
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.70	0.57	-1.77
Sacramento County, CA	PM ₁₀	Moderate	100	-	414.52	340.28	-1,048.99
Sacramento Metro, CA	Ozone	Severe	25	-	744.10	610.08	-1,888.20
Sacramento, CA	CO	Maintenance	100	-	462.40	379.50	-1,170.79
Salem, OR	CO	Maintenance	100	-	36.29	29.79	-91.83
Salt Lake City, UT	CO	Maintenance	100	-	56.01	44.26	-153.25
Salt Lake County, UT	PM ₁₀	Moderate	100	-	282.37	230.08	-726.06
Salt Lake County, UT	SO _x	Nonattainment	100	-	285.17	234.10	-721.67
San Antonio, TX	Ozone	Former Subpart 1	50	-	514.49	422.18	-1,303.11
San Bernardino County, CA	PM ₁₀	Moderate	100	-	119.20	97.85	-301.66
San Diego, CA	CO	Maintenance	100	-	1,151.42	945.22	-2,913.82
San Diego, CA	Ozone	Former Subpart 1	50	-	1,153.56	946.97	-2,919.22
San Francisco Bay Area, CA	Ozone	Marginal	50	-	1,735.13	1,400.55	-4,550.33
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	1,971.06	1,594.23	-5,147.37
San Joaquin Valley, CA	Ozone	Extreme	10	-	1,258.87	1,032.27	-3,193.53
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	1,264.15	1,036.60	-3,206.88
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	1,258.87	1,032.27	-3,193.53
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	9.31	7.65	-23.57
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.19	0.16	-0.49
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	185.25	152.07	-468.80
Seattle-Tacoma, WA	CO	Maintenance	100	-	827.75	679.52	-2,094.74
Sheboygan, WI	Ozone	Moderate	50	-	32.90	27.00	-83.25
Sheridan, WY	PM ₁₀	Moderate	100	-	6.04	4.96	-15.29
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.01	0.00	-0.01
Somerville, NJ	CO	Maintenance	100	-	4.83	3.96	-12.21
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	125.07	102.64	-316.69
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	48.31	39.66	-122.28
Spokane County, WA	PM ₁₀	Maintenance	100	-	82.24	67.51	-208.11
Spokane, WA	CO	Maintenance	100	-	81.39	66.82	-205.97
Springfield (western MA), MA	Ozone	Moderate	50	-	246.70	202.27	-626.00
Springfield, MA	CO	Maintenance	100	-	39.66	32.46	-101.00
St Louis, MO	CO	Maintenance	100	-	253.62	208.20	-641.82
St Louis, MO-IL	Ozone	Moderate	50	-	778.73	614.72	-2,134.78

**Table B2-2
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Carbon Monoxide (CO) 2025**

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	773.34	610.29	-2,121.14
State College, PA	Ozone	Maintenance	100	-	47.29	38.82	-119.67
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	5.11	4.19	-12.93
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	11.81	9.69	-29.88
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	24.43	18.76	-70.47
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	24.43	18.76	-70.47
Stockton, CA	CO	Maintenance	100	-	128.77	105.71	-325.88
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	142.08	116.64	-359.56
Telluride, CO	PM ₁₀	Maintenance	100	-	0.40	0.33	-1.02
Terre Haute, IN	Ozone	Maintenance	100	-	36.40	29.88	-92.10
Tioga County, PA	Ozone	Maintenance	100	-	15.60	12.80	-39.47
Toledo, OH	Ozone	Maintenance	100	-	92.34	39.38	-477.09
Toms River, NJ	CO	Maintenance	100	-	27.52	22.59	-69.63
Tooele County, UT	SO _x	Nonattainment	100	-	27.93	22.93	-70.68
Trenton, NJ	CO	Maintenance	100	-	24.48	20.10	-61.95
Trona, CA	PM ₁₀	Moderate	100	-	0.87	0.72	-2.21
Tucson, AZ	CO	Maintenance	100	-	275.26	225.96	-696.58
Utah County, UT	PM ₁₀	Moderate	100	-	134.28	110.24	-339.82
Vancouver, WA	CO	Maintenance	100	-	86.11	70.69	-217.92
Ventura County, CA	Ozone	Serious	50	-	231.98	189.83	-591.04
Vermillion County, IN	PM ₁₀	Maintenance	100	-	1.99	1.63	-5.03
Vigo County, IN	SO _x	Maintenance	100	-	36.40	29.88	-92.10
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	15.63	12.83	-39.55
Warren County, NJ	SO _x	Maintenance	100	-	9.93	8.15	-25.12
Warren County, PA	SO _x	Nonattainment	100	-	3.90	3.16	-10.09
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	58.84	48.31	-148.91
Washington, DC-MD-VA	CO	Maintenance	100	-	433.43	355.81	-1,096.85
Washington, DC-MD-VA	Ozone	Moderate	50	-	1,495.00	1,227.27	-3,783.28
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	1,463.83	1,201.69	-3,704.41
Washoe County, NV	PM ₁₀	Serious	70	-	67.64	55.53	-171.17
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	1.13	0.93	-2.87
Wayne County, IN	SO _x	Maintenance	100	-	19.84	16.29	-50.21
Wayne County, MI	PM ₁₀	Maintenance	100	-	15.95	10.43	-58.16
Weirton, WV	PM ₁₀	Maintenance	100	-	2.67	2.19	-6.75
Weirton, WV	SO _x	Maintenance	100	-	3.50	2.87	-8.86
Wheeling, WV-OH	Ozone	Maintenance	100	-	41.31	33.92	-104.55
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	41.31	33.92	-104.55
Winston-Salem, NC	CO	Maintenance	100	-	113.74	93.37	-287.83
Worcester, MA	CO	Maintenance	100	-	60.28	49.48	-152.54
Yakima County, WA	PM ₁₀	Maintenance	100	-	25.75	21.14	-65.17
Yakima, WA	CO	Maintenance	100	-	10.59	8.70	-26.80

Table B2-2
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Carbon Monoxide (CO) 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
York, PA	Ozone	Maintenance	100	-	123.20	101.14	-311.77
York, PA	PM _{2.5}	Nonattainment	100	-	95.80	78.65	-242.44
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	176.64	145.01	-447.02
Yuma, AZ	PM ₁₀	Moderate	100	-	51.41	42.20	-130.10

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

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

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

Source: EPA, 2008.

Table B2-3
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Carbon Monoxide (CO) 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	2.37	0.86	-9.60
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	5.47	1.99	-22.18
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	5.68	2.06	-23.04
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	1,685.50	612.67	-6,841.03
Albuquerque, NM	CO	Maintenance	100	-	766.81	278.89	-3,111.44
Allegan County, MI	Ozone	Former Subpart 1	50	-	203.71	74.09	-826.57
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	777.29	282.14	-3,157.09
Altoona, PA	Ozone	Maintenance	100	-	123.78	45.02	-502.28
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	265.42	96.53	-1,076.98
Anchorage, AK	CO	Maintenance	100	-	199.06	72.40	-807.69
Anthony, NM	PM ₁₀	Moderate	100	-	9.59	3.49	-38.92
Armstrong County, PA	SO _x	Nonattainment	100	-	6.39	2.32	-25.93
Aspen, CO	PM ₁₀	Maintenance	100	-	9.68	3.52	-39.28
Atlanta, GA	Ozone	Moderate	50	-	9,215.11	3,350.18	-37,398.77
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	9,219.04	3,351.61	-37,414.75
Atlantic City, NJ	CO	Maintenance	100	-	65.00	23.64	-263.75
Bakersfield, CA	CO	Maintenance	100	-	610.78	217.36	-2,504.80
Baltimore, MD	CO	Maintenance	100	-	12.59	4.49	-51.57
Baltimore, MD	Ozone	Moderate	50	-	4,031.78	1,463.75	-16,373.84
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	4,031.72	1,463.73	-16,373.59
Baton Rouge, LA	Ozone	Moderate	50	-	368.46	-375.05	-4,316.42
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	8.91	-433.62	-2,457.37
Benton County, TN	SO _x	Maintenance	100	-	1.43	0.52	-5.79
Benton Harbor, MI	Ozone	Maintenance	100	-	214.55	77.97	-870.91
Benzie County, MI	Ozone	Maintenance	100	-	33.78	12.29	-137.07
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	198.81	72.31	-806.69
Billings, MT	CO	Maintenance	100	-	-3.31	-88.68	-471.37
Birmingham, AL	Ozone	Maintenance	100	-	1,278.53	461.31	-5,208.24
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	1,282.92	462.91	-5,226.08
Boise-Northern Ada County, ID	CO	Maintenance	100	-	444.00	160.28	-1,808.29
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	444.00	160.28	-1,808.29
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	24.38	8.87	-98.93
Boston, MA	CO	Maintenance	100	-	1,098.59	399.55	-4,457.67
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	6,717.26	2,443.03	-27,256.21
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	878.60	319.54	-3,565.02
Boyd County (part), KY	SO _x	Maintenance	100	-	11.88	4.32	-48.20
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	1,471.22	535.08	-5,969.68
Burlington, NJ	CO	Maintenance	100	-	8.86	3.22	-35.93
Butte, MT	PM ₁₀	Moderate	100	-	24.21	8.81	-98.25
Canon City, CO	PM ₁₀	Maintenance	100	-	27.96	10.17	-113.46

Table B2-3
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Carbon Monoxide (CO) 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Canton-Massillon, OH	Ozone	Maintenance	100	-	341.25	102.03	-1,507.01
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	341.25	102.03	-1,507.01
Case County, MI	Ozone	Maintenance	100	-	55.34	20.13	-224.55
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.97	0.35	-3.95
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	7.25	2.64	-29.41
Charleston, WV	Ozone	Maintenance	100	-	332.81	121.04	-1,350.41
Charleston, WV	PM _{2.5}	Nonattainment	100	-	332.81	121.04	-1,350.41
Charlotte, NC	CO	Maintenance	100	-	1,020.99	371.33	-4,142.79
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	2,253.96	819.75	-9,145.74
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	696.29	253.20	-2,825.46
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	639.83	232.67	-2,596.39
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	8,726.01	2,512.25	-39,072.37
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	9,046.84	2,628.93	-40,374.18
Chico, CA	CO	Maintenance	100	-	170.55	62.03	-692.01
Chico, CA	Ozone	Former Subpart 1	50	-	374.76	136.30	-1,520.66
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	2,589.14	941.66	-10,505.79
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	2,509.23	912.59	-10,181.53
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	15.93	5.78	-64.69
Clark County, NV	PM ₁₀	Serious	70	-	2,186.05	795.06	-8,870.21
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	354.59	128.96	-1,438.80
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	229.44	83.45	-931.00
Cleveland, OH	CO	Maintenance	100	-	1,109.65	403.57	-4,502.54
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	3,262.54	1,186.57	-13,238.18
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	2,995.34	1,089.39	-12,153.98
Coachella Valley, CA	PM ₁₀	Serious	70	-	971.35	353.27	-3,941.37
Colbert County, AL	SO _x	Maintenance	100	-	70.34	25.58	-285.42
Colorado Springs, CO	CO	Maintenance	100	-	828.14	297.14	-3,382.69
Columbia Falls, MT	PM ₁₀	Moderate	100	-	7.87	2.86	-31.92
Columbia, SC	Ozone	Former Subpart 1	50	-	853.77	310.51	-3,464.30
Columbus, OH	Ozone	Maintenance	100	-	2,329.17	847.11	-9,450.92
Columbus, OH	PM _{2.5}	Nonattainment	100	-	2,165.38	787.54	-8,786.33
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	3.72	1.31	-15.28
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.46	0.17	-1.86
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	1,109.67	403.58	-4,502.62
Cuyahoga County, OH	SO _x	Maintenance	100	-	922.64	335.56	-3,743.75
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	9,842.74	3,576.97	-39,953.63
Dayton-Springfield, OH	Ozone	Maintenance	100	-	1,039.41	378.03	-4,217.55
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	915.64	333.01	-3,715.32
Denver Metro, CO	PM ₁₀	Maintenance	100	-	4,103.09	1,441.98	-16,927.59
Denver-Boulder, CO	CO	Maintenance	100	-	3,920.78	1,375.67	-16,187.82
Denver-Boulder-Greeley-Fort Collins-Loveland,	Ozone	Former	50	-	4,961.76	1,754.18	-20,412.27

Table B2-3
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Carbon Monoxide (CO) 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
CO		Subpart 1					
Detroit, MI	CO	Maintenance	100	-	1,863.83	658.75	-7,668.67
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	5,995.98	2,155.23	-24,470.68
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	5,883.35	2,114.27	-24,013.68
Door County, WI	Ozone	Former Subpart 1	50	-	50.26	18.28	-203.96
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	44.92	16.34	-182.29
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	36.23	13.18	-147.00
Duluth, MN	CO	Maintenance	100	-	99.75	36.28	-404.73
Eagle River, AK	PM ₁₀	Moderate	100	-	12.35	4.49	-50.09
East Chicago, IN	CO	Maintenance	100	-	1.27	0.46	-5.17
East Chicago, IN	PM ₁₀	Maintenance	100	-	-120.50	-380.12	-1,374.90
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	1.31	0.48	-5.32
El Paso County, TX	PM ₁₀	Moderate	100	-	624.40	200.61	-2,680.34
El Paso, TX	CO	Maintenance	100	-	40.52	14.71	-164.53
Erie, PA	Ozone	Maintenance	100	-	284.67	103.53	-1,155.09
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	2.21	0.80	-8.96
Eugene-Springfield, OR	CO	Maintenance	100	-	309.34	112.50	-1,255.18
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	296.42	107.81	-1,202.76
Evansville, IN	Ozone	Maintenance	100	-	325.82	118.50	-1,322.04
Evansville, IN	PM _{2.5}	Nonattainment	100	-	415.56	151.14	-1,686.20
Fairbanks, AK	CO	Maintenance	100	-	24.51	8.92	-99.47
Fayetteville, NC	Ozone	Former Subpart 1	50	-	385.14	140.07	-1,562.75
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	10.24	3.72	-41.54
Flint, MI	Ozone	Maintenance	100	-	658.32	239.43	-2,671.24
Follansbee, WV	PM ₁₀	Maintenance	100	-	1.23	0.45	-5.00
Fort Collins, CO	CO	Maintenance	100	-	251.85	91.60	-1,021.93
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.82	0.30	-3.33
Fort Wayne, IN	Ozone	Maintenance	100	-	477.30	173.59	-1,936.70
Franklin County, PA	Ozone	Maintenance	100	-	203.55	74.03	-825.93
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.94	0.34	-3.83
Frederick County, VA	Ozone	Former Subpart 1	50	-	171.54	62.39	-696.06
Fredericksburg, VA	Ozone	Maintenance	100	-	598.37	217.62	-2,427.96
Freehold, NJ	CO	Maintenance	100	-	25.76	9.37	-104.52
Fresno, CA	CO	Maintenance	100	-	824.82	299.47	-3,349.65
Grand Rapids, MI	Ozone	Maintenance	100	-	1,105.39	402.02	-4,485.25
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	48.81	17.74	-198.13
Grant County, NM	SO _x	Maintenance	100	-	3.13	1.14	-12.70
Grants Pass, OR	CO	Maintenance	100	-	0.64	0.23	-2.58
Grants Pass, OR	PM ₁₀	Maintenance	100	-	46.92	17.07	-190.39
Great Falls, MT	CO	Maintenance	100	-	22.55	8.20	-91.49
Greater Connecticut, CT	Ozone	Moderate	50	-	2,086.36	758.10	-8,469.57

Table B2-3
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Carbon Monoxide (CO) 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Greeley, CO	CO	Maintenance	100	-	169.23	61.55	-686.66
Green Bay, WI	SO _x	Maintenance	100	-	163.19	59.35	-662.17
Greene County, IN	Ozone	Maintenance	100	-	63.26	23.01	-256.68
Greene County, PA	Ozone	Maintenance	100	-	56.99	20.73	-231.25
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	2,088.78	758.78	-8,480.48
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	1,022.37	370.93	-4,153.40
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	1,127.59	409.13	-4,580.72
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	28.90	10.51	-117.26
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	151.23	55.00	-613.63
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	1,157.52	420.69	-4,698.42
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	1,067.32	387.88	-4,332.45
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	1,332.60	483.96	-5,411.05
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	14.29	5.20	-57.99
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	56.39	20.51	-228.82
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	6.45	2.34	-26.15
Hazelwood, PA	SO _x	Maintenance	100	-	51.45	18.68	-208.94
Hickory, NC	PM _{2.5}	Nonattainment	100	-	220.02	80.02	-892.75
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	369.60	134.42	-1,499.71
Hollis Township, IL	SO _x	Maintenance	100	-	2.90	1.05	-11.78
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	6,806.32	1,758.58	-31,590.45
Humphreys County, TN	SO _x	Maintenance	100	-	3.57	1.30	-14.48
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	1.42	-331.58	-1,846.34
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-176.95	-396.46	-1,122.57
Huron County, MI	Ozone	Maintenance	100	-	35.38	12.87	-143.54
Imperial County, CA	Ozone	Moderate	50	-	316.56	115.13	-1,284.47
Imperial Valley, CA	PM ₁₀	Serious	70	-	309.92	112.72	-1,257.54
Indian Wells, CA	PM ₁₀	Maintenance	100	-	41.99	15.27	-170.37
Indianapolis, IN	CO	Maintenance	100	-	1.11	0.40	-4.49
Indianapolis, IN	Ozone	Maintenance	100	-	2,701.56	982.54	-10,961.93
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	2,146.15	780.54	-8,708.28
Jackson County, IN	Ozone	Maintenance	100	-	100.89	36.69	-409.36
Jamestown, NY	Ozone	Former Subpart 1	50	-	197.48	71.82	-801.31
Jefferson County, NY	Ozone	Moderate	50	-	159.06	57.85	-645.40
Jefferson County, OH	PM ₁₀	Maintenance	100	-	8.81	3.20	-35.75
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	271.76	98.84	-1,102.71
Johnstown, PA	Ozone	Maintenance	100	-	112.63	40.96	-457.02
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	123.96	45.08	-502.99
Juneau, AK	PM ₁₀	Moderate	100	-	16.18	5.88	-65.65
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	643.21	233.93	-2,609.92
Kalispell, MT	PM ₁₀	Moderate	100	-	41.61	15.13	-168.83

Table B2-3
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Carbon Monoxide (CO) 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Kansas City, MO-KS	Ozone	Maintenance	100	-	2,250.66	815.63	-9,148.55
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	195.09	70.95	-791.60
Kent, WA	PM ₁₀	Maintenance	100	-	35.75	13.00	-145.07
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	106.71	38.81	-433.01
Kewaunee County, WI	Ozone	Maintenance	100	-	31.01	11.28	-125.84
King County, WA	PM ₁₀	Maintenance	100	-	14.14	5.14	-57.39
Klamath Falls, OR	CO	Maintenance	100	-	62.14	22.60	-252.13
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	62.14	22.60	-252.13
Knoxville, TN	Ozone	Former Subpart 1	50	-	1,658.58	603.22	-6,729.91
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	1,264.92	460.04	-5,132.58
La Porte County, IN	SO _x	Maintenance	100	-	42.14	15.33	-170.99
LaGrande, OR	PM ₁₀	Maintenance	100	-	19.35	7.04	-78.53
Lake County, IN	SO _x	Maintenance	100	-	373.19	134.79	-1,519.43
Lake County, OH	SO _x	Maintenance	100	-	45.14	16.42	-183.16
Lake County, OR	PM ₁₀	Maintenance	100	-	7.47	2.72	-30.32
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	47.43	17.25	-192.46
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	103.98	37.82	-421.93
Lake Tahoe, NV	CO	Maintenance	100	-	26.22	9.53	-106.37
Lamar, CO	PM ₁₀	Maintenance	100	-	11.06	4.02	-44.90
Lame Deer, MT	PM ₁₀	Moderate	100	-	1.67	0.61	-6.76
Lancaster, PA	Ozone	Maintenance	100	-	596.58	216.58	-2,422.87
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	596.58	216.58	-2,422.87
Lane County, OR	PM ₁₀	Moderate	100	-	1.66	0.60	-6.72
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	619.69	225.38	-2,514.46
LaPorte, IN	Ozone	Maintenance	100	-	117.43	42.71	-476.50
Las Vegas, NV	CO	Serious	100	-	2,186.05	795.06	-8,870.21
Las Vegas, NV	Ozone	Former Subpart 1	50	-	2,213.04	804.87	-8,979.69
Lauderdale County, AL	SO _x	Maintenance	100	-	108.39	39.42	-439.82
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	2.19	0.80	-8.90
Libby, MT	PM ₁₀	Moderate	100	-	5.24	1.91	-21.27
Libby, MT	PM _{2.5}	Nonattainment	100	-	6.99	2.54	-28.36
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	15.93	5.78	-64.68
Lima, OH	Ozone	Maintenance	100	-	67.68	-36.61	-613.96
Longmont, CO	CO	Maintenance	100	-	131.39	47.79	-533.14
Lorain County, OH	SO _x	Maintenance	100	-	59.79	21.75	-242.61
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	20,403.94	6,895.89	-85,700.93
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	20,403.93	6,895.89	-85,700.91
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	20,403.93	6,895.89	-85,700.91
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	20,404.13	6,895.96	-85,701.70
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	20,402.97	6,895.54	-85,696.99
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	960.08	349.18	-3,895.65

Table B2-3
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Carbon Monoxide (CO) 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Louisville, KY-IN	Ozone	Maintenance	100	-	1,435.17	521.96	-5,823.39
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	1,376.05	500.46	-5,583.53
Lowell, MA	CO	Maintenance	100	-	154.21	56.08	-625.72
Lucas County, OH	SO _x	Maintenance	100	-	364.44	132.54	-1,478.76
Lyons Township, IL	PM ₁₀	Maintenance	100	-	76.11	27.68	-308.87
Macon, GA	Ozone	Maintenance	100	-	252.54	91.85	-1,024.70
Macon, GA	PM _{2.5}	Nonattainment	100	-	249.55	90.76	-1,012.60
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	3.47	1.26	-14.07
Madison, WI	SO _x	Maintenance	100	-	349.52	127.12	-1,418.24
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	15.88	5.77	-64.42
Manchester, NH	CO	Maintenance	100	-	93.21	33.90	-378.21
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	126.79	46.11	-514.48
Marion County, IN	SO _x	Maintenance	100	-	385.81	140.32	-1,565.48
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	170.84	62.13	-693.19
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	416.39	151.44	-1,689.55
Mason County, MI	Ozone	Maintenance	100	-	34.85	12.68	-141.42
Medford, OR	CO	Maintenance	100	-	113.15	41.15	-459.12
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	271.40	98.71	-1,101.23
Memphis, TN-AR	Ozone	Maintenance	100	-	1,200.20	407.57	-5,030.33
Memphis, TN	CO	Maintenance	100	-	1,106.24	373.40	-4,649.09
Miami (Gila County), AZ	SO _x	Maintenance	100	-	42.00	15.28	-170.43
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	6.19	2.24	-25.18
Milwaukee, WI	SO _x	Maintenance	100	-	656.64	238.81	-2,664.39
Milwaukee-Racine, WI	Ozone	Moderate	50	-	2,344.92	852.83	-9,514.83
Minneapolis-St Paul, MN	CO	Maintenance	100	-	3,049.11	368.61	-16,475.32
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	3,764.58	1,366.41	-15,290.54
Missoula, MT	CO	Maintenance	100	-	80.72	28.00	-335.02
Missoula, MT	PM ₁₀	Moderate	100	-	78.14	27.11	-324.33
Modesto, CA	CO	Maintenance	100	-	457.99	166.57	-1,858.38
Mohave County, AZ	PM ₁₀	Maintenance	100	-	155.33	56.49	-630.26
Mono Basin, CA	PM ₁₀	Moderate	100	-	2.22	0.81	-9.01
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	4.15	1.51	-16.85
Morristown, NJ	CO	Maintenance	100	-	47.42	17.25	-192.43
Muhlenberg County, KY	SO _x	Maintenance	100	-	35.49	12.91	-143.99
Muncie, IN	Ozone	Maintenance	100	-	135.18	49.17	-548.52
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	6.30	2.29	-25.56
Muscatine County, IA	SO _x	Maintenance	100	-	20.01	7.28	-81.21
Muskegon, MI	Ozone	Maintenance	100	-	169.74	61.67	-689.05
Nashua, NH	CO	Maintenance	100	-	75.06	27.30	-304.58
Nashville, TN	Ozone	Former Subpart 1	50	-	2,229.01	809.76	-9,049.60
Nevada County (western part), CA	Ozone	Former	50	-	226.60	82.41	-919.47

Table B2-3
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Carbon Monoxide (CO) 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
		Subpart 1					
New Haven County, CT	PM ₁₀	Maintenance	100	-	195.98	71.28	-795.23
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	989.25	359.78	-4,014.00
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	7.22	2.63	-29.29
New York County, NY	PM ₁₀	Moderate	100	-	552.44	200.92	-2,241.60
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	9,960.47	3,593.80	-40,575.42
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	19,245.87	6,956.39	-78,332.31
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	19,074.67	6,894.12	-77,637.62
Nogales, AZ	PM ₁₀	Moderate	100	-	55.05	20.02	-223.36
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-438.06	-2,360.88	-10,424.24
Ogden, UT	CO	Maintenance	100	-	88.75	32.28	-360.12
Ogden, UT	PM ₁₀	Moderate	100	-	88.75	32.28	-360.13
Oglesby, IL	PM ₁₀	Maintenance	100	-	2.67	0.97	-10.84
Olmsted County, MN	PM ₁₀	Maintenance	100	-	25.27	9.19	-102.54
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	151.75	55.19	-615.74
Owens Valley, CA	PM ₁₀	Serious	70	-	5.92	2.15	-24.02
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.25	0.09	-1.02
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	181.03	65.84	-734.56
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	182.31	66.30	-739.73
Payson, AZ	PM ₁₀	Maintenance	100	-	27.01	9.82	-109.61
Penns Grove, NJ	CO	Maintenance	100	-	0.61	0.22	-2.46
Peoria, IL	SO _x	Maintenance	100	-	123.18	44.69	-500.42
Perth Amboy, NJ	CO	Maintenance	100	-	99.75	22.23	-482.61
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	466.23	169.56	-1,891.78
Philidelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	5,213.78	1,483.75	-23,441.67
Philidelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	7,927.25	2,470.25	-34,454.02
Phoenix, AZ	CO	Maintenance	100	-	7,402.10	2,691.26	-30,039.68
Phoenix, AZ	PM ₁₀	Serious	70	-	7,605.25	2,765.14	-30,864.03
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	7,627.00	2,773.05	-30,952.28
Pierce County, WA	PM ₁₀	Maintenance	100	-	13.07	4.75	-53.05
Pinehurst, ID	PM ₁₀	Moderate	100	-	1.38	0.50	-5.61
Pittsburgh, PA	CO	Maintenance	100	-	34.25	12.43	-139.08
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	2,509.89	912.09	-10,188.31
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	2,291.83	832.80	-9,303.46
Polk County, TN	SO _x	Maintenance	100	-	26.67	9.70	-108.23
Polson, MT	PM ₁₀	Moderate	100	-	4.27	1.55	-17.31
Portland, ME	Ozone	Maintenance	100	-	730.33	263.28	-2,976.37
Portland, OR	CO	Maintenance	100	-	1,491.97	540.48	-6,065.77
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	55.21	20.08	-224.04

Table B2-3
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Carbon Monoxide (CO) 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Poughkeepsie, NY	Ozone	Moderate	50	-	1,941.31	706.04	-7,877.14
Presque Isle, ME	PM ₁₀	Maintenance	100	-	11.10	4.04	-45.03
Providence (entire State), RI	Ozone	Moderate	50	-	1,308.31	472.89	-5,324.89
Provo, UT	CO	Maintenance	100	-	232.08	84.40	-941.68
Raleigh-Durham, NC	CO	Maintenance	100	-	1,821.13	661.81	-7,392.40
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	2,475.34	899.74	-10,046.94
Ramsey County, MN	PM ₁₀	Maintenance	100	-	2.28	0.82	-9.30
Reading, PA	Ozone	Maintenance	100	-	428.53	155.85	-1,738.80
Reading, PA	PM _{2.5}	Nonattainment	100	-	428.53	155.85	-1,738.80
Reno, NV	CO	Maintenance	100	-	319.30	116.13	-1,295.62
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	1.51	0.55	-6.12
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	1,587.00	576.45	-6,443.50
Rillito, AZ	PM ₁₀	Moderate	100	-	71.90	26.15	-291.74
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	971.35	353.27	-3,941.37
Roanoke, VA	Ozone	Former Subpart 1	50	-	329.38	119.79	-1,336.49
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	107.93	39.25	-437.93
Rochester, NY	Ozone	Former Subpart 1	50	-	1,725.31	627.48	-7,000.66
Rocky Mount, NC	Ozone	Maintenance	100	-	232.22	84.46	-942.27
Rome, GA	PM _{2.5}	Nonattainment	100	-	153.27	55.74	-621.91
Ronan, MT	PM ₁₀	Moderate	100	-	1.63	0.59	-6.61
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	3.13	1.14	-12.69
Sacramento County, CA	PM ₁₀	Moderate	100	-	2,218.97	807.03	-9,003.78
Sacramento Metro, CA	Ozone	Severe	25	-	4,065.99	1,475.01	-16,519.18
Sacramento, CA	CO	Maintenance	100	-	2,493.77	906.52	-10,121.30
Salem, OR	CO	Maintenance	100	-	166.69	60.62	-676.37
Salt Lake City, UT	CO	Maintenance	100	-	276.90	92.30	-1,170.16
Salt Lake County, UT	PM ₁₀	Moderate	100	-	1,368.76	489.40	-5,600.52
Salt Lake County, UT	SO _x	Nonattainment	100	-	1,378.17	501.23	-5,592.12
San Antonio, TX	Ozone	Former Subpart 1	50	-	2,522.01	916.41	-10,238.01
San Bernardino County, CA	PM ₁₀	Moderate	100	-	596.05	216.78	-2,418.56
San Diego, CA	CO	Maintenance	100	-	6,031.62	2,193.67	-24,474.13
San Diego, CA	Ozone	Former Subpart 1	50	-	6,043.14	2,197.86	-24,520.86
San Francisco Bay Area, CA	Ozone	Marginal	50	-	8,794.58	3,082.02	-36,330.97
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	9,931.28	3,495.43	-40,943.29
San Joaquin Valley, CA	Ozone	Extreme	10	-	6,677.92	2,423.03	-27,128.14
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	6,698.31	2,430.44	-27,210.85
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	6,677.92	2,423.03	-27,128.14
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	48.14	17.51	-195.35
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.88	0.32	-3.58

Table B2-3
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Carbon Monoxide (CO) 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	862.71	313.76	-3,500.56
Seattle-Tacoma, WA	CO	Maintenance	100	-	4,083.97	1,485.32	-16,571.25
Sheboygan, WI	Ozone	Moderate	50	-	158.71	57.72	-643.97
Sheridan, WY	PM ₁₀	Moderate	100	-	27.66	10.06	-112.24
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.02	0.01	-0.08
Somerville, NJ	CO	Maintenance	100	-	23.37	8.50	-94.84
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	582.93	211.87	-2,366.12
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	192.72	70.08	-782.07
Spokane County, WA	PM ₁₀	Maintenance	100	-	403.93	146.91	-1,639.00
Spokane, WA	CO	Maintenance	100	-	399.46	145.28	-1,620.87
Springfield (western MA), MA	Ozone	Moderate	50	-	1,149.68	416.89	-4,671.84
Springfield, MA	CO	Maintenance	100	-	191.37	69.11	-779.24
St Louis, MO	CO	Maintenance	100	-	1,059.44	385.31	-4,298.83
St Louis, MO-IL	Ozone	Moderate	50	-	3,559.08	1,174.44	-15,106.44
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	3,534.68	1,165.56	-15,007.43
State College, PA	Ozone	Maintenance	100	-	233.91	85.07	-949.11
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	28.19	10.25	-114.40
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	50.78	18.47	-206.07
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	106.79	32.52	-468.35
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	106.79	32.52	-468.35
Stockton, CA	CO	Maintenance	100	-	691.74	251.58	-2,806.83
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.01	0.00	-0.02
Syracuse, NY	CO	Maintenance	100	-	642.33	233.61	-2,606.34
Telluride, CO	PM ₁₀	Maintenance	100	-	2.48	0.90	-10.08
Terre Haute, IN	Ozone	Maintenance	100	-	155.32	56.49	-630.25
Tioga County, PA	Ozone	Maintenance	100	-	68.56	24.93	-278.17
Toledo, OH	Ozone	Maintenance	100	-	484.50	-1.76	-2,952.27
Toms River, NJ	CO	Maintenance	100	-	142.03	51.66	-576.30
Tooele County, UT	SO _x	Nonattainment	100	-	135.27	49.20	-548.89
Trenton, NJ	CO	Maintenance	100	-	116.32	42.30	-471.97
Trona, CA	PM ₁₀	Moderate	100	-	4.65	1.69	-18.88
Tucson, AZ	CO	Maintenance	100	-	1,380.05	501.92	-5,599.75
Utah County, UT	PM ₁₀	Moderate	100	-	673.53	244.96	-2,732.93
Vancouver, WA	CO	Maintenance	100	-	448.39	163.08	-1,819.38
Ventura County, CA	Ozone	Serious	50	-	1,225.60	442.82	-4,989.24
Vermillion County, IN	PM ₁₀	Maintenance	100	-	8.65	3.15	-35.09
Vigo County, IN	SO _x	Maintenance	100	-	155.32	56.49	-630.25
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Waltham, MA	CO	Maintenance	100	-	72.34	26.31	-293.51
Warren County, NJ	SO _x	Maintenance	100	-	47.37	17.23	-192.22
Warren County, PA	SO _x	Nonattainment	100	-	16.86	5.96	-69.33
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	271.79	98.85	-1,102.84

Table B2-3
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Carbon Monoxide (CO) 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Washington, DC-MD-VA	CO	Maintenance	100	-	2,074.53	754.49	-8,417.67
Washington, DC-MD-VA	Ozone	Moderate	50	-	7,424.89	2,700.39	-30,127.48
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	7,260.51	2,640.61	-29,460.49
Washoe County, NV	PM ₁₀	Serious	70	-	319.30	116.13	-1,295.62
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	5.14	1.87	-20.85
Wayne County, IN	SO _x	Maintenance	100	-	83.65	30.42	-339.42
Wayne County, MI	PM ₁₀	Maintenance	100	-	94.65	21.28	-456.89
Weirton, WV	PM ₁₀	Maintenance	100	-	10.52	3.83	-42.71
Weirton, WV	SO _x	Maintenance	100	-	14.04	5.11	-56.99
Wheeling, WV-OH	Ozone	Maintenance	100	-	174.95	63.63	-709.90
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	174.95	63.63	-709.90
Winston-Salem, NC	CO	Maintenance	100	-	540.06	196.42	-2,191.37
Worcester, MA	CO	Maintenance	100	-	302.66	110.07	-1,228.06
Yakima County, WA	PM ₁₀	Maintenance	100	-	123.60	44.95	-501.51
Yakima, WA	CO	Maintenance	100	-	55.69	20.25	-225.98
York, PA	Ozone	Maintenance	100	-	598.81	217.78	-2,429.73
York, PA	PM _{2.5}	Nonattainment	100	-	464.30	168.86	-1,883.95
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	766.30	278.70	-3,109.38
Yuma, AZ	PM ₁₀	Moderate	100	-	263.75	95.93	-1,070.22

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

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

c/ Emissions thresholds in tons/year of: VOC or NO_x in ozone NAAs; primary PM_{2.5} in PM_{2.5} NAAs. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the proposed actions. Source: EPA, 2008.

**Table B2-4
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Carbon Monoxide (CO) 2060**

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	5.12	2.85	-10.57
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	13.12	7.29	-27.08
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	13.61	7.56	-28.09
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	4,030.19	2,239.16	-8,319.26
Albuquerque, NM	CO	Maintenance	100	-	1,812.22	1,007.05	-3,739.85
Allegan County, MI	Ozone	Former Subpart 1	50	-	510.87	283.89	-1,054.28
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	1,850.09	1,027.44	-3,821.59
Altoona, PA	Ozone	Maintenance	100	-	274.39	152.47	-566.25
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	729.11	405.17	-1,504.66
Anchorage, AK	CO	Maintenance	100	-	490.99	272.84	-1,013.24
Anthony, NM	PM ₁₀	Moderate	100	-	22.28	12.38	-45.97
Armstrong County, PA	SO _x	Nonattainment	100	-	15.36	8.54	-31.70
Aspen, CO	PM ₁₀	Maintenance	100	-	23.98	13.32	-49.48
Atlanta, GA	Ozone	Moderate	50	-	22,814.59	12,676.50	-47,090.50
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	22,821.87	12,680.55	-47,105.54
Atlantic City, NJ	CO	Maintenance	100	-	149.08	82.84	-307.66
Bakersfield, CA	CO	Maintenance	100	-	1,525.91	841.99	-3,181.65
Baltimore, MD	CO	Maintenance	100	-	28.94	15.97	-60.35
Baltimore, MD	Ozone	Moderate	50	-	9,827.80	5,458.14	-20,298.76
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	9,827.65	5,458.06	-20,298.45
Baton Rouge, LA	Ozone	Moderate	50	-	1,060.96	-45.19	-5,667.03
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	128.96	-473.09	-3,250.52
Benton County, TN	SO _x	Maintenance	100	-	3.08	1.71	-6.35
Benton Harbor, MI	Ozone	Maintenance	100	-	466.13	258.95	-962.35
Benzie County, MI	Ozone	Maintenance	100	-	88.10	48.96	-181.82
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	486.23	270.19	-1,003.42
Billings, MT	CO	Maintenance	100	-	22.22	-96.73	-643.40
Birmingham, AL	Ozone	Maintenance	100	-	2,947.23	1,633.17	-6,107.35
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	2,958.13	1,639.23	-6,129.85
Boise-Northern Ada County, ID	CO	Maintenance	100	-	1,096.06	607.72	-2,269.35
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	1,096.06	607.72	-2,269.35
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	64.15	35.65	-132.38
Boston, MA	CO	Maintenance	100	-	2,584.15	1,436.01	-5,332.88
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	16,028.34	8,906.92	-33,077.50
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	2,139.86	1,189.12	-4,416.00
Boyd County (part), KY	SO _x	Maintenance	100	-	27.03	15.02	-55.78
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	3,416.80	1,898.71	-7,051.21
Burlington, NJ	CO	Maintenance	100	-	14.21	7.90	-29.33
Butte, MT	PM ₁₀	Moderate	100	-	51.21	28.46	-105.68
Canon City, CO	PM ₁₀	Maintenance	100	-	73.48	40.83	-151.64
Canton-Massillon, OH	Ozone	Maintenance	100	-	779.57	405.68	-1,759.60
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	779.57	405.68	-1,759.60
Case County, MI	Ozone	Maintenance	100	-	127.85	71.05	-263.85
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	2.57	1.43	-5.31
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	14.96	8.32	-30.88
Charleston, WV	Ozone	Maintenance	100	-	730.76	406.08	-1,508.06
Charleston, WV	PM _{2.5}	Nonattainment	100	-	730.76	406.08	-1,508.06
Charlotte, NC	CO	Maintenance	100	-	2,542.51	1,412.87	-5,246.94
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	5,556.12	3,087.53	-11,466.10

**Table B2-4
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Carbon Monoxide (CO) 2060**

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	1,617.05	898.55	-3,337.30
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	1,498.04	832.42	-3,091.70
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	21,418.19	11,077.45	-48,717.98
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	22,192.32	11,507.63	-50,315.54
Chico, CA	CO	Maintenance	100	-	470.90	261.68	-971.78
Chico, CA	Ozone	Former Subpart 1	50	-	986.49	548.19	-2,035.82
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	6,169.80	3,428.55	-12,732.54
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	5,970.47	3,317.78	-12,321.18
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	31.44	17.46	-64.95
Clark County, NV	PM ₁₀	Serious	70	-	5,646.11	3,137.53	-11,651.81
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	872.93	485.08	-1,801.45
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	532.06	295.66	-1,098.00
Cleveland, OH	CO	Maintenance	100	-	2,400.99	1,334.22	-4,954.88
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	7,535.00	4,187.18	-15,549.88
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	6,890.28	3,828.92	-14,219.39
Coachella Valley, CA	PM ₁₀	Serious	70	-	2,583.59	1,435.69	-5,331.72
Colbert County, AL	SO _x	Maintenance	100	-	151.29	84.07	-312.22
Colorado Springs, CO	CO	Maintenance	100	-	2,091.83	1,157.66	-4,342.98
Columbia Falls, MT	PM ₁₀	Moderate	100	-	20.13	11.19	-41.54
Columbia, SC	Ozone	Former Subpart 1	50	-	2,045.35	1,136.60	-4,220.96
Columbus, OH	Ozone	Maintenance	100	-	5,797.68	3,221.76	-11,964.61
Columbus, OH	PM _{2.5}	Nonattainment	100	-	5,399.69	3,000.59	-11,143.26
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	6.87	3.78	-14.43
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.69	0.39	-1.43
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	2,400.99	1,334.23	-4,954.90
Cuyahoga County, OH	SO _x	Maintenance	100	-	2,070.13	1,150.37	-4,272.10
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	24,857.28	13,809.95	-51,315.17
Dayton-Springfield, OH	Ozone	Maintenance	100	-	2,358.81	1,310.79	-4,867.85
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	2,071.33	1,151.03	-4,274.58
Denver Metro, CO	PM ₁₀	Maintenance	100	-	10,285.29	5,653.94	-21,562.95
Denver-Boulder, CO	CO	Maintenance	100	-	9,824.40	5,397.83	-20,611.81
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	12,438.93	6,850.61	-26,007.98
Detroit, MI	CO	Maintenance	100	-	3,695.96	2,027.98	-7,768.97
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	14,192.53	7,854.99	-29,463.02
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	13,924.72	7,706.16	-28,910.34
Door County, WI	Ozone	Former Subpart 1	50	-	123.62	68.70	-255.11
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	102.26	56.82	-211.02
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	84.25	46.82	-173.87
Duluth, MN	CO	Maintenance	100	-	223.89	124.42	-462.05
Eagle River, AK	PM ₁₀	Moderate	100	-	31.59	17.56	-65.20
East Chicago, IN	CO	Maintenance	100	-	2.75	1.53	-5.70
East Chicago, IN	PM ₁₀	Maintenance	100	-	-193.48	-526.82	-1,897.85
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	3.12	1.74	-6.45
El Paso County, TX	PM ₁₀	Moderate	100	-	1,523.86	813.83	-3,325.42
El Paso, TX	CO	Maintenance	100	-	94.18	52.31	-194.48
Erie, PA	Ozone	Maintenance	100	-	649.03	360.66	-1,339.39
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	5.79	3.22	-11.95

Table B2-4
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Carbon Monoxide (CO) 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Eugene-Springfield, OR	CO	Maintenance	100	-	754.41	419.22	-1,556.86
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	724.88	402.81	-1,495.92
Evansville, IN	Ozone	Maintenance	100	-	762.45	423.69	-1,573.47
Evansville, IN	PM _{2,5}	Nonattainment	100	-	962.37	534.79	-1,986.03
Fairbanks, AK	CO	Maintenance	100	-	61.54	34.20	-127.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	913.13	507.43	-1,884.42
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	26.09	14.50	-53.85
Flint, MI	Ozone	Maintenance	100	-	1,520.65	845.02	-3,138.16
Follansbee, WV	PM ₁₀	Maintenance	100	-	1.97	1.10	-4.07
Fort Collins, CO	CO	Maintenance	100	-	640.04	355.67	-1,320.84
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	1.68	0.93	-3.46
Fort Wayne, IN	Ozone	Maintenance	100	-	1,133.70	630.00	-2,339.61
Franklin County, PA	Ozone	Maintenance	100	-	492.64	273.76	-1,016.66
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	2.12	1.18	-4.37
Frederick County, VA	Ozone	Former Subpart 1	50	-	408.88	227.22	-843.81
Fredericksburg, VA	Ozone	Maintenance	100	-	1,535.18	853.10	-3,168.14
Freehold, NJ	CO	Maintenance	100	-	70.95	39.43	-146.42
Fresno, CA	CO	Maintenance	100	-	2,053.77	1,140.71	-4,241.44
Grand Rapids, MI	Ozone	Maintenance	100	-	2,714.24	1,508.30	-5,601.34
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	105.02	58.34	-216.80
Grant County, NM	SO _x	Maintenance	100	-	6.67	3.70	-13.75
Grants Pass, OR	CO	Maintenance	100	-	1.63	0.91	-3.36
Grants Pass, OR	PM ₁₀	Maintenance	100	-	120.72	67.09	-249.13
Great Falls, MT	CO	Maintenance	100	-	46.69	25.95	-96.36
Greater Connecticut, CT	Ozone	Moderate	50	-	4,826.41	2,681.19	-9,964.81
Greeley, CO	CO	Maintenance	100	-	418.43	232.52	-863.50
Green Bay, WI	SO _x	Maintenance	100	-	388.85	216.08	-802.46
Greene County, IN	Ozone	Maintenance	100	-	149.65	83.16	-308.84
Greene County, PA	Ozone	Maintenance	100	-	130.52	72.53	-269.35
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	4,893.56	2,718.31	-10,104.43
Greensboro-Winston salem-High Point, NC	PM _{2,5}	Nonattainment	100	-	2,374.59	1,318.52	-4,906.08
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	2,586.77	1,436.35	-5,344.42
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	67.62	37.58	-139.54
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	358.69	199.32	-740.23
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	2,828.49	1,571.43	-5,839.06
Harrisburg-Lebanon-Carlisle, PA	PM _{2,5}	Nonattainment	100	-	2,605.81	1,447.69	-5,379.53
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	3,039.97	1,688.47	-6,278.15
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	36.42	20.24	-75.16
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	145.35	80.77	-299.96
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	15.46	8.59	-31.90
Hazelwood, PA	SO _x	Maintenance	100	-	124.02	68.87	-256.22
Hickory, NC	PM _{2,5}	Nonattainment	100	-	496.29	275.78	-1,024.18
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	849.94	472.31	-1,754.01
Hollis Township, IL	SO _x	Maintenance	100	-	6.37	3.54	-13.16
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	16,923.11	8,511.05	-39,816.78
Humphreys County, TN	SO _x	Maintenance	100	-	8.53	4.74	-17.60
Huntington-Ashland, WV-KY-OH	PM _{2,5}	Nonattainment	100	-	72.24	-373.96	-2,417.76
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-344.61	-605.61	-1,557.50
Huron County, MI	Ozone	Maintenance	100	-	80.34	44.65	-165.80

Table B2-4
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Carbon Monoxide (CO) 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Imperial County, CA	Ozone	Moderate	50	-	812.94	451.75	-1,677.64
Imperial Valley, CA	PM ₁₀	Serious	70	-	796.60	442.67	-1,643.93
Indian Wells, CA	PM ₁₀	Maintenance	100	-	94.92	52.74	-195.88
Indianapolis, IN	CO	Maintenance	100	-	2.18	1.21	-4.50
Indianapolis, IN	Ozone	Maintenance	100	-	6,580.03	3,656.51	-13,579.12
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	5,237.00	2,910.19	-10,807.54
Jackson County, IN	Ozone	Maintenance	100	-	234.09	130.08	-483.08
Jamestown, NY	Ozone	Former Subpart 1	50	-	457.91	254.46	-944.98
Jefferson County, NY	Ozone	Moderate	50	-	372.66	207.09	-769.06
Jefferson County, OH	PM ₁₀	Maintenance	100	-	17.77	9.88	-36.67
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	621.95	345.62	-1,283.51
Johnstown, PA	Ozone	Maintenance	100	-	227.57	126.46	-469.63
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	250.63	139.27	-517.22
Juneau, AK	PM ₁₀	Moderate	100	-	43.27	24.04	-89.29
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	1,493.97	830.20	-3,083.10
Kalispell, MT	PM ₁₀	Moderate	100	-	105.31	58.52	-217.33
Kansas City, MO-KS	Ozone	Maintenance	100	-	5,498.30	3,051.89	-11,366.02
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	478.57	265.94	-987.61
Kent, WA	PM ₁₀	Maintenance	100	-	91.90	51.07	-189.66
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	248.31	137.99	-512.44
Kewaunee County, WI	Ozone	Maintenance	100	-	71.20	39.57	-146.94
King County, WA	PM ₁₀	Maintenance	100	-	35.23	19.58	-72.70
Klamath Falls, OR	CO	Maintenance	100	-	142.61	79.25	-294.30
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	142.61	79.25	-294.30
Knoxville, TN	Ozone	Former Subpart 1	50	-	4,151.62	2,307.05	-8,567.66
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	3,130.38	1,739.55	-6,460.13
La Porte County, IN	SO _x	Maintenance	100	-	93.49	51.95	-192.94
LaGrande, OR	PM ₁₀	Maintenance	100	-	45.61	25.35	-94.13
Lake County, IN	SO _x	Maintenance	100	-	836.14	463.55	-1,731.53
Lake County, OH	SO _x	Maintenance	100	-	104.24	57.93	-215.12
Lake County, OR	PM ₁₀	Maintenance	100	-	16.88	9.38	-34.83
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	131.55	73.10	-271.48
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	299.47	166.41	-618.01
Lake Tahoe, NV	CO	Maintenance	100	-	60.22	33.46	-124.27
Lamar, CO	PM ₁₀	Maintenance	100	-	25.69	14.28	-53.01
Lame Deer, MT	PM ₁₀	Moderate	100	-	3.49	1.94	-7.21
Lancaster, PA	Ozone	Maintenance	100	-	1,432.99	795.85	-2,959.77
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	1,432.99	795.85	-2,959.77
Lane County, OR	PM ₁₀	Moderate	100	-	3.35	1.86	-6.91
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	1,463.91	813.49	-3,021.06
LaPorte, IN	Ozone	Maintenance	100	-	259.29	144.09	-535.09
Las Vegas, NV	CO	Serious	100	-	5,646.11	3,137.53	-11,651.81
Las Vegas, NV	Ozone	Former Subpart 1	50	-	5,704.62	3,170.05	-11,772.55
Lauderdale County, AL	SO _x	Maintenance	100	-	244.21	135.71	-503.97
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	5.07	2.82	-10.46
Libby, MT	PM ₁₀	Moderate	100	-	11.46	6.37	-23.65
Libby, MT	PM _{2.5}	Nonattainment	100	-	15.28	8.49	-31.54
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	31.44	17.46	-64.94
Lima, OH	Ozone	Maintenance	100	-	169.96	18.10	-769.01

**Table B2-4
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Carbon Monoxide (CO) 2060**

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Longmont, CO	CO	Maintenance	100	-	340.58	189.26	-702.86
Lorain County, OH	SO _x	Maintenance	100	-	141.96	78.89	-292.97
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	50,727.71	27,534.76	-108,271.98
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	50,727.70	27,534.76	-108,271.96
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	50,727.70	27,534.76	-108,271.96
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	50,728.02	27,534.93	-108,272.61
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	50,725.44	27,533.50	-108,267.29
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	2,396.82	1,331.91	-4,946.29
Louisville, KY-IN	Ozone	Maintenance	100	-	3,326.59	1,848.58	-6,865.03
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	3,162.95	1,757.65	-6,527.35
Lowell, MA	CO	Maintenance	100	-	384.93	213.90	-794.37
Lucas County, OH	SO _x	Maintenance	100	-	811.24	450.81	-1,674.15
Lyons Township, IL	PM ₁₀	Maintenance	100	-	169.68	94.28	-350.20
Macon, GA	Ozone	Maintenance	100	-	556.22	309.09	-1,147.86
Macon, GA	PM _{2.5}	Nonattainment	100	-	548.94	305.04	-1,132.84
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	7.58	4.21	-15.64
Madison, WI	SO _x	Maintenance	100	-	892.64	496.04	-1,842.13
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	46.67	25.94	-96.31
Manchester, NH	CO	Maintenance	100	-	198.48	110.29	-409.60
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	289.63	160.95	-597.71
Marion County, IN	SO _x	Maintenance	100	-	868.25	482.49	-1,791.80
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	453.94	252.25	-936.79
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	987.68	548.85	-2,038.27
Mason County, MI	Ozone	Maintenance	100	-	83.56	46.44	-172.45
Medford, OR	CO	Maintenance	100	-	292.76	162.69	-604.17
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	706.35	392.52	-1,457.69
Memphis, TN-AR	Ozone	Maintenance	100	-	2,713.24	1,471.66	-5,796.92
Memphis, TN	CO	Maintenance	100	-	2,512.12	1,359.90	-5,381.88
Miami (Gila County), AZ	SO _x	Maintenance	100	-	107.19	59.56	-221.20
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	13.09	7.26	-27.07
Milwaukee, WI	SO _x	Maintenance	100	-	1,502.34	834.85	-3,100.36
Milwaukee-Racine, WI	Ozone	Moderate	50	-	5,604.34	3,114.32	-11,565.61
Minneapolis-St Paul, MN	CO	Maintenance	100	-	7,722.97	3,368.55	-20,994.93
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	9,152.61	5,082.72	-18,906.57
Missoula, MT	CO	Maintenance	100	-	195.95	107.31	-413.01
Missoula, MT	PM ₁₀	Moderate	100	-	189.56	103.81	-399.53
Modesto, CA	CO	Maintenance	100	-	1,186.46	659.31	-2,448.48
Mohave County, AZ	PM ₁₀	Maintenance	100	-	410.62	228.18	-847.39
Mono Basin, CA	PM ₁₀	Moderate	100	-	5.86	3.25	-12.08
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	9.41	5.23	-19.43
Morristown, NJ	CO	Maintenance	100	-	125.81	69.91	-259.64
Muhlenberg County, KY	SO _x	Maintenance	100	-	79.27	44.05	-163.59
Muncie, IN	Ozone	Maintenance	100	-	288.02	160.05	-594.39
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	18.08	10.05	-37.31
Muscatine County, IA	SO _x	Maintenance	100	-	48.63	27.03	-100.37
Muskegon, MI	Ozone	Maintenance	100	-	404.33	224.62	-834.81
Nashua, NH	CO	Maintenance	100	-	162.09	90.07	-334.51
Nashville, TN	Ozone	Former Subpart 1	50	-	5,476.14	3,041.99	-11,307.01

**Table B2-4
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Carbon Monoxide (CO) 2060**

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	624.58	347.08	-1,288.93
New Haven County, CT	PM ₁₀	Maintenance	100	-	507.11	281.80	-1,046.53
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	2,268.06	1,260.36	-4,680.57
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	16.77	9.32	-34.60
New York County, NY	PM ₁₀	Moderate	100	-	1,221.52	678.80	-2,520.83
New York-N. New Jersey-Long Island, NY-NJ- CT	CO	Maintenance	100	-	23,196.43	12,854.35	-48,066.68
New York-N. New Jersey-Long Island, NY-NJ- CT	PM _{2.5}	Nonattainment	100	-	45,461.64	25,209.07	-94,113.78
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	45,041.17	24,975.42	-93,246.08
Nogales, AZ	PM ₁₀	Moderate	100	-	134.02	74.47	-276.57
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-332.42	-2,929.90	-14,353.27
Ogden, UT	CO	Maintenance	100	-	204.43	113.60	-421.87
Ogden, UT	PM ₁₀	Moderate	100	-	204.43	113.60	-421.88
Oglesby, IL	PM ₁₀	Maintenance	100	-	5.21	2.90	-10.76
Olmsted County, MN	PM ₁₀	Maintenance	100	-	54.00	30.01	-111.45
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	383.33	213.02	-791.08
Owens Valley, CA	PM ₁₀	Serious	70	-	18.18	10.10	-37.53
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.69	0.38	-1.42
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	412.52	229.23	-851.30
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	415.71	231.01	-857.90
Payson, AZ	PM ₁₀	Maintenance	100	-	66.88	37.16	-138.01
Penns Grove, NJ	CO	Maintenance	100	-	1.41	0.79	-2.92
Peoria, IL	SO _x	Maintenance	100	-	277.93	154.32	-574.27
Perth Amboy, NJ	CO	Maintenance	100	-	278.61	137.30	-670.96
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	1,017.41	565.37	-2,099.62
Philadelaphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	12,272.18	6,305.42	-28,143.04
Philidelphia-Wilmington-Atlantic City, PA-NY- MD-DE	Ozone	Moderate	50	-	18,703.13	9,878.65	-41,416.85
Phoenix, AZ	CO	Maintenance	100	-	20,141.87	11,191.86	-41,571.69
Phoenix, AZ	PM ₁₀	Serious	70	-	20,654.08	11,476.48	-42,628.78
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	20,704.37	11,504.43	-42,732.58
Pierce County, WA	PM ₁₀	Maintenance	100	-	27.97	15.54	-57.71
Pinehurst, ID	PM ₁₀	Moderate	100	-	2.61	1.45	-5.38
Pittsburgh, PA	CO	Maintenance	100	-	99.25	55.12	-205.05
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	5,740.83	3,189.25	-11,852.32
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	5,241.41	2,911.72	-10,821.68
Polk County, TN	SO _x	Maintenance	100	-	61.79	34.34	-127.51
Polson, MT	PM ₁₀	Moderate	100	-	11.30	6.28	-23.31
Portland, ME	Ozone	Maintenance	100	-	1,730.47	958.82	-3,586.44
Portland, OR	CO	Maintenance	100	-	3,501.51	1,943.11	-7,240.69
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	126.29	70.18	-260.63
Poughkeepsie, NY	Ozone	Moderate	50	-	4,930.63	2,739.94	-10,175.29
Presque Isle, ME	PM ₁₀	Maintenance	100	-	24.43	13.58	-50.42
Providence (entire State), RI	Ozone	Moderate	50	-	3,159.46	1,752.05	-6,540.19
Provo, UT	CO	Maintenance	100	-	589.19	327.41	-1,215.90
Raleigh-Durham, NC	CO	Maintenance	100	-	4,563.07	2,535.11	-9,419.95
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	6,186.52	3,437.26	-12,770.24
Ramsey County, MN	PM ₁₀	Maintenance	100	-	4.84	2.68	-10.06

**Table B2-4
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Carbon Monoxide (CO) 2060**

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Reading, PA	Ozone	Maintenance	100	-	1,003.69	557.75	-2,071.31
Reading, PA	PM _{2.5}	Nonattainment	100	-	1,003.69	557.75	-2,071.31
Reno, NV	CO	Maintenance	100	-	757.56	420.97	-1,563.36
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	4.53	2.52	-9.35
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	3,743.78	2,079.56	-7,730.64
Rillito, AZ	PM ₁₀	Moderate	100	-	188.48	104.74	-388.97
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	2,583.59	1,435.69	-5,331.72
Roanoke, VA	Ozone	Former Subpart 1	50	-	755.07	419.59	-1,558.22
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	261.44	145.28	-539.53
Rochester, NY	Ozone	Former Subpart 1	50	-	4,048.93	2,249.98	-8,355.72
Rocky Mount, NC	Ozone	Maintenance	100	-	529.95	294.49	-1,093.66
Rome, GA	PM _{2.5}	Nonattainment	100	-	356.48	198.10	-735.67
Ronan, MT	PM ₁₀	Moderate	100	-	4.24	2.36	-8.75
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	7.02	3.90	-14.49
Sacramento County, CA	PM ₁₀	Moderate	100	-	5,811.51	3,229.44	-11,993.15
Sacramento Metro, CA	Ozone	Severe	25	-	10,775.27	5,983.44	-22,260.68
Sacramento, CA	CO	Maintenance	100	-	6,539.85	3,633.67	-13,499.00
Salem, OR	CO	Maintenance	100	-	385.64	214.30	-795.85
Salt Lake City, UT	CO	Maintenance	100	-	678.90	366.78	-1,458.47
Salt Lake County, UT	PM ₁₀	Moderate	100	-	3,319.83	1,834.34	-6,908.53
Salt Lake County, UT	SO _x	Nonattainment	100	-	3,339.27	1,855.63	-6,891.21
San Antonio, TX	Ozone	Former Subpart 1	50	-	6,182.20	3,434.47	-12,763.43
San Bernardino County, CA	PM ₁₀	Moderate	100	-	1,456.48	809.36	-3,005.72
San Diego, CA	CO	Maintenance	100	-	15,555.57	8,644.20	-32,101.84
San Diego, CA	Ozone	Former Subpart 1	50	-	15,586.24	8,661.24	-32,165.13
San Francisco Bay Area, CA	Ozone	Marginal	50	-	22,079.08	12,124.01	-46,360.31
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	24,797.41	13,634.58	-51,970.10
San Joaquin Valley, CA	Ozone	Extreme	10	-	17,378.03	9,649.93	-35,901.21
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	17,416.00	9,671.03	-35,979.58
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	17,378.03	9,649.93	-35,901.21
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	122.56	68.11	-252.93
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	2.05	1.14	-4.23
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	2,024.69	1,125.11	-4,178.32
Seattle-Tacoma, WA	CO	Maintenance	100	-	10,055.65	5,587.91	-20,751.73
Sheboygan, WI	Ozone	Moderate	50	-	383.96	213.36	-792.36
Sheridan, WY	PM ₁₀	Moderate	100	-	63.85	35.48	-131.76
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.04	0.02	-0.08
Somerville, NJ	CO	Maintenance	100	-	56.67	31.49	-116.96
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	1,369.06	760.61	-2,826.26
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	365.75	203.23	-754.86
Spokane County, WA	PM ₁₀	Maintenance	100	-	990.33	550.32	-2,043.73
Spokane, WA	CO	Maintenance	100	-	978.61	543.81	-2,019.54
Springfield (western MA), MA	Ozone	Moderate	50	-	2,699.09	1,498.34	-5,578.55
Springfield, MA	CO	Maintenance	100	-	473.80	262.62	-981.44
St Louis, MO	CO	Maintenance	100	-	2,237.67	1,243.47	-4,617.86
St Louis, MO-IL	Ozone	Moderate	50	-	8,140.05	4,373.83	-17,617.99
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	8,084.22	4,342.81	-17,502.77
State College, PA	Ozone	Maintenance	100	-	577.61	320.97	-1,192.00

Table B2-4
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Carbon Monoxide (CO) 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	75.73	42.08	-156.28
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	110.25	61.27	-227.53
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	232.26	121.18	-522.48
Steubenville-Weirton, OH-WV	PM _{2,5}	Nonattainment	100	-	232.26	121.18	-522.48
Stockton, CA	CO	Maintenance	100	-	1,843.25	1,024.29	-3,803.90
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.02
Syracuse, NY	CO	Maintenance	100	-	1,466.99	815.20	-3,027.41
Telluride, CO	PM ₁₀	Maintenance	100	-	7.27	4.04	-15.01
Terre Haute, IN	Ozone	Maintenance	100	-	334.89	186.10	-691.11
Tioga County, PA	Ozone	Maintenance	100	-	152.36	84.67	-314.43
Toledo, OH	Ozone	Maintenance	100	-	1,144.73	414.21	-3,578.12
Toms River, NJ	CO	Maintenance	100	-	368.32	204.67	-760.09
Tooele County, UT	SO _x	Nonattainment	100	-	328.35	182.46	-677.61
Trenton, NJ	CO	Maintenance	100	-	280.57	155.91	-579.02
Trona, CA	PM ₁₀	Moderate	100	-	12.18	6.77	-25.13
Tucson, AZ	CO	Maintenance	100	-	3,444.39	1,914.04	-7,108.15
Utah County, UT	PM ₁₀	Moderate	100	-	1,681.47	934.39	-3,470.03
Vancouver, WA	CO	Maintenance	100	-	1,146.84	637.30	-2,366.73
Ventura County, CA	Ozone	Serious	50	-	3,178.63	1,762.72	-6,579.67
Vermillion County, IN	PM ₁₀	Maintenance	100	-	18.91	10.51	-39.02
Vigo County, IN	SO _x	Maintenance	100	-	334.89	186.10	-691.11
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Waltham, MA	CO	Maintenance	100	-	169.47	94.18	-349.74
Warren County, NJ	SO _x	Maintenance	100	-	113.53	63.09	-234.29
Warren County, PA	SO _x	Nonattainment	100	-	35.99	19.76	-75.55
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	633.17	351.85	-1,306.66
Washington, DC-MD-VA	CO	Maintenance	100	-	5,134.31	2,853.13	-10,595.62
Washington, DC-MD-VA	Ozone	Moderate	50	-	18,398.38	10,223.95	-37,968.52
Washington, DC-MD-VA	PM _{2,5}	Nonattainment	100	-	17,972.14	9,987.08	-37,088.88
Washoe County, NV	PM ₁₀	Serious	70	-	757.56	420.97	-1,563.36
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	11.71	6.51	-24.16
Wayne County, IN	SO _x	Maintenance	100	-	179.04	99.49	-369.49
Wayne County, MI	PM ₁₀	Maintenance	100	-	348.44	176.09	-815.14
Weirton, WV	PM ₁₀	Maintenance	100	-	18.58	10.32	-38.34
Weirton, WV	SO _x	Maintenance	100	-	26.22	14.57	-54.11
Wheeling, WV-OH	Ozone	Maintenance	100	-	374.10	207.89	-772.03
Wheeling, WV-OH	PM _{2,5}	Nonattainment	100	-	374.10	207.89	-772.03
Winston-Salem, NC	CO	Maintenance	100	-	1,289.19	716.40	-2,660.49
Worcester, MA	CO	Maintenance	100	-	767.14	426.30	-1,583.13
Yakima County, WA	PM ₁₀	Maintenance	100	-	296.00	164.49	-610.86
Yakima, WA	CO	Maintenance	100	-	146.08	81.18	-301.47
York, PA	Ozone	Maintenance	100	-	1,457.79	810.09	-3,008.43
York, PA	PM _{2,5}	Nonattainment	100	-	1,127.63	626.62	-2,327.07
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	1,680.63	933.92	-3,468.29
Yuma, AZ	PM ₁₀	Moderate	100	-	669.87	372.25	-1,382.40

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

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

c/ Emissions thresholds in tons/year of: VOC or NO_x in ozone NAAs; primary PM_{2,5} in PM_{2,5} NAAs. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the proposed actions.

Source: EPA, 2008.

**Table B2-5
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Nitrogen Oxide (NO_x) 2021**

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.01	0.02	0.06
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.02	0.03	0.13
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.02	0.03	0.13
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	5.82	9.91	39.17
Albuquerque, NM	CO	Maintenance	100	-	2.78	4.71	18.36
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.67	1.13	4.42
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	2.65	4.53	18.07
Altoona, PA	Ozone	Maintenance	100	-	0.49	0.83	3.24
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.72	1.22	4.77
Anchorage, AK	CO	Maintenance	100	-	0.65	1.10	4.29
Anthony, NM	PM ₁₀	Moderate	100	-	0.04	0.06	0.24
Armstrong County, PA	SO _x	Nonattainment	100	-	0.02	0.04	0.15
Aspen, CO	PM ₁₀	Maintenance	100	-	0.03	0.06	0.21
Atlanta, GA	Ozone	Moderate	50	-	30.75	52.12	203.95
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	30.76	52.15	204.07
Atlantic City, NJ	CO	Maintenance	100	-	0.24	0.41	1.62
Bakersfield, CA	CO	Maintenance	100	-	-3.30	-4.02	-0.29
Baltimore, MD	CO	Maintenance	100	-	0.03	0.06	0.28
Baltimore, MD	Ozone	Moderate	50	-	13.46	22.92	90.75
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	13.46	22.92	90.74
Baton Rouge, LA	Ozone	Moderate	50	-	-154.08	-214.41	-382.23
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-438.32	-612.20	-1,118.19
Benton County, TN	SO _x	Maintenance	100	-	0.01	0.01	0.04
Benton Harbor, MI	Ozone	Maintenance	100	-	0.86	1.46	5.74
Benzie County, MI	Ozone	Maintenance	100	-	0.10	0.17	0.68
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.68	1.16	4.51
Billings, MT	CO	Maintenance	100	-	-52.03	-72.64	-132.27
Birmingham, AL	Ozone	Maintenance	100	-	-0.16	1.19	19.05
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-0.15	1.22	19.16
Boise-Northern Ada County, ID	CO	Maintenance	100	-	1.30	2.26	9.41
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	1.30	2.26	9.41
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.08	0.13	0.50
Boston, MA	CO	Maintenance	100	-	4.04	6.84	26.67
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	23.99	40.61	158.42
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	3.03	5.12	19.98
Boyd County (part), KY	SO _x	Maintenance	100	-	0.05	0.08	0.31
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	5.48	9.27	36.16
Burlington, NJ	CO	Maintenance	100	-	0.04	0.07	0.27
Butte, MT	PM ₁₀	Moderate	100	-	0.10	0.17	0.67
Canon City, CO	PM ₁₀	Maintenance	100	-	0.09	0.15	0.59
Canton-Massillon, OH	Ozone	Maintenance	100	-	-16.39	-22.50	-36.42
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-16.39	-22.50	-36.42
Case County, MI	Ozone	Maintenance	100	-	0.21	0.35	1.37
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.01	0.02
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.03	0.05	0.21
Charleston, WV	Ozone	Maintenance	100	-	1.34	2.27	8.83
Charleston, WV	PM _{2.5}	Nonattainment	100	-	1.34	2.27	8.83
Charlotte, NC	CO	Maintenance	100	-	3.40	5.75	22.43
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	7.64	12.92	50.40

Table B2-5
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Nitrogen Oxide (NO_x) 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	2.57	4.35	17.05
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	2.33	3.95	15.47
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-257.14	-349.75	-527.47
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-256.01	-347.84	-520.04
Chico, CA	CO	Maintenance	100	-	0.48	0.81	3.17
Chico, CA	Ozone	Former Subpart 1	50	-	1.12	1.90	7.41
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	9.27	15.69	61.20
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	9.01	15.24	59.45
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.06	0.11	0.44
Clark County, NV	PM ₁₀	Serious	70	-	6.81	11.52	44.92
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	1.20	2.04	7.95
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.86	1.45	5.65
Cleveland, OH	CO	Maintenance	100	-	4.55	7.69	30.01
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	12.25	20.73	80.84
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	11.31	19.14	74.65
Coachella Valley, CA	PM ₁₀	Serious	70	-	2.85	4.82	18.81
Colbert County, AL	SO _x	Maintenance	100	-	0.29	0.49	1.92
Colorado Springs, CO	CO	Maintenance	100	-	2.25	3.94	16.71
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.02	0.04	0.17
Columbia, SC	Ozone	Former Subpart 1	50	-	3.06	5.18	20.22
Columbus, OH	Ozone	Maintenance	100	-	7.76	13.13	51.21
Columbus, OH	PM _{2.5}	Nonattainment	100	-	7.19	12.17	47.46
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.01	0.07
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	4.55	7.69	30.01
Cuyahoga County, OH	SO _x	Maintenance	100	-	3.70	6.27	24.45
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	31.32	53.21	209.33
Dayton-Springfield, OH	Ozone	Maintenance	100	-	4.00	6.77	26.40
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	3.54	5.99	23.36
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-18.63	-21.99	7.59
Denver-Boulder, CO	CO	Maintenance	100	-	-19.22	-23.00	3.65
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-15.82	-17.23	26.18
Detroit, MI	CO	Maintenance	100	-	-26.50	-34.78	-37.08
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-21.20	-23.20	33.54
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-21.60	-23.89	30.87
Door County, WI	Ozone	Former Subpart 1	50	-	0.17	0.29	1.13
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.17	0.28	1.11
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.13	0.22	0.87
Duluth, MN	CO	Maintenance	100	-	0.39	0.66	2.59
Eagle River, AK	PM ₁₀	Moderate	100	-	0.04	0.07	0.26
East Chicago, IN	CO	Maintenance	100	-	0.00	0.01	0.03
East Chicago, IN	PM ₁₀	Maintenance	100	-	-192.58	-268.93	-490.70
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.01	0.03
El Paso County, TX	PM ₁₀	Moderate	100	-	-17.76	-24.16	-36.49
El Paso, TX	CO	Maintenance	100	-	0.14	0.24	0.96
Erie, PA	Ozone	Maintenance	100	-	1.09	1.84	7.19
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.01	0.01	0.05

**Table B2-5
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Nitrogen Oxide (NO_x) 2021**

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Eugene-Springfield, OR	CO	Maintenance	100	-	1.08	1.82	7.10
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	1.03	1.74	6.78
Evansville, IN	Ozone	Maintenance	100	-	1.20	2.03	7.92
Evansville, IN	PM _{2.5}	Nonattainment	100	-	1.55	2.62	10.21
Fairbanks, AK	CO	Maintenance	100	-	0.08	0.13	0.52
Fayetteville, NC	Ozone	Former Subpart 1	50	-	1.39	2.35	9.18
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.03	0.06	0.22
Flint, MI	Ozone	Maintenance	100	-	2.47	4.18	16.31
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.01	0.01	0.04
Fort Collins, CO	CO	Maintenance	100	-	0.81	1.36	5.32
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Fort Wayne, IN	Ozone	Maintenance	100	-	1.72	2.91	11.34
Franklin County, PA	Ozone	Maintenance	100	-	0.71	1.20	4.69
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.01	0.02
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.61	1.04	4.05
Fredericksburg, VA	Ozone	Maintenance	100	-	1.89	3.19	12.45
Freehold, NJ	CO	Maintenance	100	-	0.08	0.13	0.52
Fresno, CA	CO	Maintenance	100	-	2.58	4.40	17.53
Grand Rapids, MI	Ozone	Maintenance	100	-	3.77	6.38	24.88
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.19	0.33	1.29
Grant County, NM	SO _x	Maintenance	100	-	0.01	0.02	0.09
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.01
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.15	0.25	0.99
Great Falls, MT	CO	Maintenance	100	-	0.10	0.16	0.63
Greater Connecticut, CT	Ozone	Moderate	50	-	7.69	13.05	51.26
Greeley, CO	CO	Maintenance	100	-	0.57	0.97	3.77
Green Bay, WI	SO _x	Maintenance	100	-	0.57	0.97	3.79
Greene County, IN	Ozone	Maintenance	100	-	0.23	0.39	1.51
Greene County, PA	Ozone	Maintenance	100	-	0.22	0.37	1.43
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	7.51	12.77	50.27
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	3.64	6.22	24.72
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	4.10	6.99	27.78
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.11	0.18	0.70
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.54	0.91	3.57
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	3.90	6.62	26.07
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	3.59	6.11	24.06
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	4.95	8.42	33.19
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.05	0.08	0.30
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.18	0.30	1.18
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.02	0.04	0.15
Hazelwood, PA	SO _x	Maintenance	100	-	0.18	0.31	1.23
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.85	1.45	5.64
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	1.40	2.37	9.22
Hollis Township, IL	SO _x	Maintenance	100	-	0.01	0.02	0.07
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-478.17	-660.74	-1,122.56
Humphreys County, TN	SO _x	Maintenance	100	-	0.01	0.02	0.09
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-104.95	-146.30	-263.72
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-105.61	-147.41	-268.07
Huron County, MI	Ozone	Maintenance	100	-	0.14	0.23	0.90

**Table B2-5
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Nitrogen Oxide (NO_x) 2021**

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Imperial County, CA	Ozone	Moderate	50	-	1.00	1.69	6.57
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.97	1.65	6.42
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.16	0.27	1.05
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.01	0.03
Indianapolis, IN	Ozone	Maintenance	100	-	9.34	15.81	61.65
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	7.40	12.52	48.82
Jackson County, IN	Ozone	Maintenance	100	-	0.38	0.64	2.48
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.74	1.25	4.86
Jefferson County, NY	Ozone	Moderate	50	-	0.58	0.99	3.86
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.04	0.06	0.25
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	1.03	1.75	6.82
Johnstown, PA	Ozone	Maintenance	100	-	0.50	0.85	3.30
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.55	0.93	3.61
Juneau, AK	PM ₁₀	Moderate	100	-	0.05	0.08	0.32
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	2.39	4.05	15.81
Kalispell, MT	PM ₁₀	Moderate	100	-	0.13	0.23	0.89
Kansas City, MO-KS	Ozone	Maintenance	100	-	7.20	12.35	49.77
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.67	1.13	4.40
Kent, WA	PM ₁₀	Maintenance	100	-	0.11	0.19	0.76
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.39	0.66	2.58
Kewaunee County, WI	Ozone	Maintenance	100	-	0.12	0.20	0.78
King County, WA	PM ₁₀	Maintenance	100	-	0.05	0.08	0.31
Klamath Falls, OR	CO	Maintenance	100	-	0.24	0.40	1.55
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.24	0.40	1.55
Knoxville, TN	Ozone	Former Subpart 1	50	-	5.47	9.26	36.11
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	4.26	7.20	28.09
La Porte County, IN	SO _x	Maintenance	100	-	0.17	0.28	1.10
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.07	0.12	0.47
Lake County, IN	SO _x	Maintenance	100	-	1.37	2.34	9.39
Lake County, OH	SO _x	Maintenance	100	-	0.17	0.29	1.12
Lake County, OR	PM ₁₀	Maintenance	100	-	0.03	0.05	0.19
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.13	0.22	0.84
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.27	0.46	1.79
Lake Tahoe, NV	CO	Maintenance	100	-	0.10	0.16	0.63
Lamar, CO	PM ₁₀	Maintenance	100	-	0.04	0.07	0.28
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.01	0.01	0.05
Lancaster, PA	Ozone	Maintenance	100	-	2.04	3.47	13.75
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	2.04	3.47	13.75
Lane County, OR	PM ₁₀	Moderate	100	-	0.01	0.01	0.05
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	2.25	3.81	14.85
LaPorte, IN	Ozone	Maintenance	100	-	0.47	0.79	3.09
Las Vegas, NV	CO	Serious	100	-	6.81	11.52	44.92
Las Vegas, NV	Ozone	Former Subpart 1	50	-	6.91	11.70	45.63
Lauderdale County, AL	SO _x	Maintenance	100	-	0.42	0.71	2.78
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.01	0.01	0.05
Libby, MT	PM ₁₀	Moderate	100	-	0.02	0.04	0.14
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.03	0.05	0.19
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.06	0.11	0.44
Lima, OH	Ozone	Maintenance	100	-	-91.81	-128.20	-233.73

**Table B2-5
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Nitrogen Oxide (NO_x) 2021**

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Longmont, CO	CO	Maintenance	100	-	0.42	0.70	2.75
Lorain County, OH	SO _x	Maintenance	100	-	0.22	0.37	1.43
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-56.89	-58.71	138.73
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	-56.89	-58.71	138.73
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-56.89	-58.71	138.73
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-56.89	-58.71	138.73
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-56.90	-58.72	138.70
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	3.19	5.39	21.03
Louisville, KY-IN	Ozone	Maintenance	100	-	5.36	9.07	35.37
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	5.20	8.80	34.32
Lowell, MA	CO	Maintenance	100	-	0.53	0.90	3.49
Lucas County, OH	SO _x	Maintenance	100	-	1.44	2.43	9.48
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.30	0.50	1.96
Macon, GA	Ozone	Maintenance	100	-	1.01	1.71	6.68
Macon, GA	PM _{2.5}	Nonattainment	100	-	1.00	1.69	6.61
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.01	0.02	0.09
Madison, WI	SO _x	Maintenance	100	-	1.12	1.89	7.39
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.04	0.07	0.27
Manchester, NH	CO	Maintenance	100	-	0.37	0.63	2.45
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.48	0.82	3.19
Marion County, IN	SO _x	Maintenance	100	-	1.50	2.54	9.90
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.50	0.85	3.31
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	1.50	2.54	9.91
Mason County, MI	Ozone	Maintenance	100	-	0.12	0.21	0.82
Medford, OR	CO	Maintenance	100	-	0.35	0.60	2.34
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.84	1.43	5.57
Memphis, TN-AR	Ozone	Maintenance	100	-	-20.36	-27.05	-33.00
Memphis, TN	CO	Maintenance	100	-	-20.75	-27.71	-35.58
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.13	0.23	0.89
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.02	0.04	0.16
Milwaukee, WI	SO _x	Maintenance	100	-	2.53	4.28	16.70
Milwaukee-Racine, WI	Ozone	Moderate	50	-	8.36	14.15	55.17
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-73.59	-98.91	-134.82
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	12.55	21.40	84.93
Missoula, MT	CO	Maintenance	100	-	0.05	0.15	1.27
Missoula, MT	PM ₁₀	Moderate	100	-	0.05	0.14	1.24
Modesto, CA	CO	Maintenance	100	-	1.39	2.35	9.15
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.46	0.79	3.07
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.01	0.01	0.04
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.02	0.03	0.11
Morristown, NJ	CO	Maintenance	100	-	0.15	0.25	0.98
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.14	0.24	0.92
Muncie, IN	Ozone	Maintenance	100	-	0.56	0.96	3.73
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.02	0.03	0.13
Muscatine County, IA	SO _x	Maintenance	100	-	0.07	0.12	0.47
Muskegon, MI	Ozone	Maintenance	100	-	0.60	1.01	3.99
Nashua, NH	CO	Maintenance	100	-	0.30	0.50	1.95
Nashville, TN	Ozone	Former Subpart 1	50	-	7.43	12.62	49.72

**Table B2-5
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.61	1.04	4.04
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.64	1.08	4.23
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	3.74	6.34	24.72
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.03	0.05	0.19
New York County, NY	PM ₁₀	Moderate	100	-	2.20	3.73	14.53
New York-N. New Jersey-Long Island, NY-NJ- CT	CO	Maintenance	100	-	-13.29	-7.64	115.51
New York-N. New Jersey-Long Island, NY-NJ- CT	PM _{2.5}	Nonattainment	100	-	-2.29	17.45	276.68
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-2.87	16.47	272.83
Nogales, AZ	PM ₁₀	Moderate	100	-	0.19	0.32	1.26
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-49.87	-67.52	-98.10
Ogden, UT	CO	Maintenance	100	-	0.33	0.57	2.21
Ogden, UT	PM ₁₀	Moderate	100	-	0.33	0.57	2.21
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.01	0.02	0.08
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.10	0.17	0.67
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.49	0.83	3.24
Owens Valley, CA	PM ₁₀	Serious	70	-	0.02	0.03	0.11
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.69	1.17	4.57
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.70	1.18	4.60
Payson, AZ	PM ₁₀	Maintenance	100	-	0.09	0.15	0.59
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Peoria, IL	SO _x	Maintenance	100	-	0.35	0.64	2.84
Perth Amboy, NJ	CO	Maintenance	100	-	-21.28	-29.64	-53.22
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	1.89	3.20	12.47
Philadelaphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-165.07	-224.57	-339.21
Philidelphia-Wilmington-Atlantic City, PA-NY- MD-DE	Ozone	Moderate	50	-	-155.55	-208.36	-275.21
Phoenix, AZ	CO	Maintenance	100	-	20.40	34.60	135.60
Phoenix, AZ	PM ₁₀	Serious	70	-	21.05	35.70	139.91
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	21.12	35.83	140.42
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.05	0.09	0.34
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.01	0.01	0.04
Pittsburgh, PA	CO	Maintenance	100	-	0.10	0.17	0.68
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	9.26	15.76	62.31
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	8.44	14.37	56.88
Polk County, TN	SO _x	Maintenance	100	-	0.10	0.17	0.66
Polson, MT	PM ₁₀	Moderate	100	-	0.01	0.02	0.09
Portland, ME	Ozone	Maintenance	100	-	2.20	3.86	16.30
Portland, OR	CO	Maintenance	100	-	5.15	8.82	35.33
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.21	0.35	1.38
Poughkeepsie, NY	Ozone	Moderate	50	-	6.23	10.55	41.16
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.04	0.08	0.29
Providence (entire State), RI	Ozone	Moderate	50	-	4.05	7.02	28.96
Provo, UT	CO	Maintenance	100	-	0.74	1.26	4.90
Raleigh-Durham, NC	CO	Maintenance	100	-	5.90	10.02	39.34
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	8.09	13.72	53.80
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.01	0.01	0.06

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Reading, PA	Ozone	Maintenance	100	-	1.58	2.67	10.40
Reading, PA	PM _{2.5}	Nonattainment	100	-	1.58	2.67	10.40
Reno, NV	CO	Maintenance	100	-	1.15	1.94	7.58
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.01	0.03
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	5.44	9.31	37.27
Rillito, AZ	PM ₁₀	Moderate	100	-	0.22	0.37	1.45
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	2.85	4.82	18.81
Roanoke, VA	Ozone	Former Subpart 1	50	-	1.25	2.12	8.25
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.37	0.63	2.47
Rochester, NY	Ozone	Former Subpart 1	50	-	6.32	10.71	41.75
Rocky Mount, NC	Ozone	Maintenance	100	-	0.89	1.50	5.85
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.57	0.96	3.76
Ronan, MT	PM ₁₀	Moderate	100	-	0.01	0.01	0.03
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.01	0.02	0.08
Sacramento County, CA	PM ₁₀	Moderate	100	-	6.71	11.36	44.32
Sacramento Metro, CA	Ozone	Severe	25	-	11.64	19.80	78.16
Sacramento, CA	CO	Maintenance	100	-	7.42	12.58	49.16
Salem, OR	CO	Maintenance	100	-	0.62	1.05	4.11
Salt Lake City, UT	CO	Maintenance	100	-	-9.37	-12.81	-20.09
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-5.56	-6.35	5.10
Salt Lake County, UT	SO _x	Nonattainment	100	-	4.80	8.13	31.72
San Antonio, TX	Ozone	Former Subpart 1	50	-	7.97	13.69	55.28
San Bernardino County, CA	PM ₁₀	Moderate	100	-	1.97	3.34	13.02
San Diego, CA	CO	Maintenance	100	-	18.69	31.67	123.87
San Diego, CA	Ozone	Former Subpart 1	50	-	18.72	31.73	124.10
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-235.74	-320.88	-486.74
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-231.77	-314.15	-460.50
San Joaquin Valley, CA	Ozone	Extreme	10	-	14.95	26.95	121.09
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	15.05	27.11	121.72
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	14.95	26.95	121.09
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.15	0.26	1.01
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	3.16	5.35	20.87
Seattle-Tacoma, WA	CO	Maintenance	100	-	13.84	23.43	91.35
Sheboygan, WI	Ozone	Moderate	50	-	0.55	0.94	3.66
Sheridan, WY	PM ₁₀	Moderate	100	-	0.10	0.18	0.68
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.08	0.14	0.54
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	1.97	3.38	13.67
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.86	1.45	5.67
Spokane County, WA	PM ₁₀	Maintenance	100	-	1.38	2.33	9.09
Spokane, WA	CO	Maintenance	100	-	1.36	2.31	9.00
Springfield (western MA), MA	Ozone	Moderate	50	-	4.00	6.83	27.27
Springfield, MA	CO	Maintenance	100	-	0.59	1.03	4.24
St Louis, MO	CO	Maintenance	100	-	4.48	7.59	29.60
St Louis, MO-IL	Ozone	Moderate	50	-	-135.28	-184.96	-290.51
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-135.38	-185.12	-291.12
State College, PA	Ozone	Maintenance	100	-	0.79	1.34	5.22

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.08	0.14	0.54
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.21	0.35	1.37
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-4.97	-6.81	-10.89
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-4.97	-6.81	-10.89
Stockton, CA	CO	Maintenance	100	-	2.09	3.54	13.80
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	2.45	4.15	16.17
Telluride, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	0.04
Terre Haute, IN	Ozone	Maintenance	100	-	0.64	1.08	4.22
Tioga County, PA	Ozone	Maintenance	100	-	0.27	0.46	1.79
Toledo, OH	Ozone	Maintenance	100	-	-86.46	-120.10	-211.51
Toms River, NJ	CO	Maintenance	100	-	0.45	0.77	3.00
Tooele County, UT	SO _x	Nonattainment	100	-	0.47	0.80	3.10
Trenton, NJ	CO	Maintenance	100	-	0.42	0.70	2.74
Trona, CA	PM ₁₀	Moderate	100	-	0.01	0.02	0.09
Tucson, AZ	CO	Maintenance	100	-	4.58	7.75	30.20
Utah County, UT	PM ₁₀	Moderate	100	-	2.23	3.78	14.73
Vancouver, WA	CO	Maintenance	100	-	1.41	2.38	9.30
Ventura County, CA	Ozone	Serious	50	-	3.54	6.07	24.41
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.03	0.06	0.23
Vigo County, IN	SO _x	Maintenance	100	-	0.64	1.08	4.22
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.27	0.45	1.77
Warren County, NJ	SO _x	Maintenance	100	-	0.17	0.28	1.11
Warren County, PA	SO _x	Nonattainment	100	-	0.01	0.04	0.31
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	1.01	1.71	6.65
Washington, DC-MD-VA	CO	Maintenance	100	-	7.35	12.45	48.54
Washington, DC-MD-VA	Ozone	Moderate	50	-	24.94	42.22	164.63
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	24.43	41.36	161.28
Washoe County, NV	PM ₁₀	Serious	70	-	1.15	1.94	7.58
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.02	0.03	0.13
Wayne County, IN	SO _x	Maintenance	100	-	0.35	0.59	2.31
Wayne County, MI	PM ₁₀	Maintenance	100	-	-22.15	-30.87	-55.54
Weirton, WV	PM ₁₀	Maintenance	100	-	0.05	0.08	0.31
Weirton, WV	SO _x	Maintenance	100	-	0.06	0.11	0.41
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.73	1.23	4.80
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.73	1.23	4.80
Winston-Salem, NC	CO	Maintenance	100	-	1.93	3.26	12.73
Worcester, MA	CO	Maintenance	100	-	1.00	1.70	6.63
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.43	0.74	2.87
Yakima, WA	CO	Maintenance	100	-	0.17	0.29	1.15
York, PA	Ozone	Maintenance	100	-	2.07	3.51	13.67
York, PA	PM _{2.5}	Nonattainment	100	-	1.61	2.73	10.65
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	3.09	5.22	20.37
Yuma, AZ	PM ₁₀	Moderate	100	-	0.85	1.43	5.59

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

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

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

Source: EPA, 2008.

**Table B2-6
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Nitrogen Oxide (NO_x) 2025**

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.03	0.06	0.12
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.06	0.13	0.26
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.06	0.13	0.27
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	17.08	38.91	78.96
Albuquerque, NM	CO	Maintenance	100	-	8.07	18.23	36.81
Allegan County, MI	Ozone	Former Subpart 1	50	-	2.00	4.51	9.10
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	7.80	17.87	36.38
Altoona, PA	Ozone	Maintenance	100	-	1.39	3.15	6.36
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	2.28	5.14	10.38
Anchorage, AK	CO	Maintenance	100	-	1.95	4.40	8.88
Anthony, NM	PM ₁₀	Moderate	100	-	0.10	0.23	0.47
Armstrong County, PA	SO _x	Nonattainment	100	-	0.07	0.15	0.31
Aspen, CO	PM ₁₀	Maintenance	100	-	0.10	0.22	0.44
Atlanta, GA	Ozone	Moderate	50	-	91.21	206.43	417.30
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	91.26	206.55	417.53
Atlantic City, NJ	CO	Maintenance	100	-	0.70	1.59	3.21
Bakersfield, CA	CO	Maintenance	100	-	-6.61	-5.03	1.58
Baltimore, MD	CO	Maintenance	100	-	0.10	0.26	0.56
Baltimore, MD	Ozone	Moderate	50	-	39.84	90.85	184.47
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	39.84	90.85	184.47
Baton Rouge, LA	Ozone	Moderate	50	-	-364.05	-530.02	-723.64
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-1,039.83	-1,531.47	-2,123.26
Benton County, TN	SO _x	Maintenance	100	-	0.02	0.04	0.07
Benton Harbor, MI	Ozone	Maintenance	100	-	2.43	5.52	11.18
Benzie County, MI	Ozone	Maintenance	100	-	0.31	0.71	1.43
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	2.01	4.54	9.16
Billings, MT	CO	Maintenance	100	-	-123.37	-181.43	-251.04
Birmingham, AL	Ozone	Maintenance	100	-	2.03	13.85	38.95
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	2.07	13.95	39.16
Boise-Northern Ada County, ID	CO	Maintenance	100	-	3.96	9.33	19.29
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	3.96	9.33	19.29
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.23	0.52	1.04
Boston, MA	CO	Maintenance	100	-	11.68	26.37	53.25
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	69.92	157.93	318.87
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	8.91	20.12	40.62
Boyd County (part), KY	SO _x	Maintenance	100	-	0.13	0.30	0.61
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	15.80	35.67	72.02
Burlington, NJ	CO	Maintenance	100	-	0.11	0.25	0.51
Butte, MT	PM ₁₀	Moderate	100	-	0.29	0.64	1.30
Canon City, CO	PM ₁₀	Maintenance	100	-	0.27	0.60	1.22
Canton-Massillon, OH	Ozone	Maintenance	100	-	-38.24	-53.32	-68.49
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-38.24	-53.32	-68.49
Case County, MI	Ozone	Maintenance	100	-	0.60	1.35	2.72
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.01	0.02	0.04
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.09	0.20	0.40
Charleston, WV	Ozone	Maintenance	100	-	3.79	8.55	17.27
Charleston, WV	PM _{2.5}	Nonattainment	100	-	3.79	8.55	17.27
Charlotte, NC	CO	Maintenance	100	-	10.09	22.79	46.02
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	22.57	50.97	102.90

Table B2-6
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Nitrogen Oxide (NO_x) 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	7.41	16.79	33.96
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	6.74	15.28	30.91
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-592.12	-798.88	-974.50
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-588.82	-791.44	-959.48
Chico, CA	CO	Maintenance	100	-	1.49	3.37	6.80
Chico, CA	Ozone	Former Subpart 1	50	-	3.43	7.76	15.66
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	27.00	60.98	123.11
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	26.21	59.20	119.52
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.18	0.41	0.85
Clark County, NV	PM ₁₀	Serious	70	-	20.59	46.51	93.89
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	3.56	8.03	16.21
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	2.47	5.57	11.25
Cleveland, OH	CO	Maintenance	100	-	12.81	28.92	58.39
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	35.24	79.59	160.68
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	32.50	73.39	148.16
Coachella Valley, CA	PM ₁₀	Serious	70	-	8.77	19.81	40.00
Colbert County, AL	SO _x	Maintenance	100	-	0.82	1.84	3.72
Colorado Springs, CO	CO	Maintenance	100	-	7.00	16.67	34.67
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.08	0.17	0.34
Columbia, SC	Ozone	Former Subpart 1	50	-	8.91	20.13	40.64
Columbus, OH	Ozone	Maintenance	100	-	23.04	52.03	105.03
Columbus, OH	PM _{2.5}	Nonattainment	100	-	21.37	48.26	97.42
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.01	0.06	0.15
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	12.81	28.92	58.39
Cuyahoga County, OH	SO _x	Maintenance	100	-	10.47	23.65	47.75
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	94.07	213.61	432.66
Dayton-Springfield, OH	Ozone	Maintenance	100	-	11.44	25.83	52.16
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	10.11	22.83	46.10
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-35.96	-21.14	28.54
Denver-Boulder, CO	CO	Maintenance	100	-	-37.74	-25.16	20.43
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-27.59	-2.20	66.82
Detroit, MI	CO	Maintenance	100	-	-59.07	-70.23	-66.89
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-38.78	-7.75	79.00
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-39.96	-10.41	73.63
Door County, WI	Ozone	Former Subpart 1	50	-	0.50	1.14	2.30
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.48	1.09	2.21
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.38	0.87	1.75
Duluth, MN	CO	Maintenance	100	-	1.11	2.52	5.08
Eagle River, AK	PM ₁₀	Moderate	100	-	0.12	0.27	0.54
East Chicago, IN	CO	Maintenance	100	-	0.01	0.03	0.06
East Chicago, IN	PM ₁₀	Maintenance	100	-	-456.79	-672.43	-931.69
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.01	0.03	0.06
El Paso County, TX	PM ₁₀	Moderate	100	-	-40.88	-55.18	-67.35
El Paso, TX	CO	Maintenance	100	-	0.41	0.94	1.92
Erie, PA	Ozone	Maintenance	100	-	3.12	7.04	14.22
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.02	0.05	0.10

**Table B2-6
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Nitrogen Oxide (NO_x) 2025**

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Eugene-Springfield, OR	CO	Maintenance	100	-	3.15	7.12	14.38
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	3.01	6.81	13.74
Evansville, IN	Ozone	Maintenance	100	-	3.47	7.83	15.82
Evansville, IN	PM _{2.5}	Nonattainment	100	-	4.46	10.07	20.34
Fairbanks, AK	CO	Maintenance	100	-	0.24	0.54	1.08
Fayetteville, NC	Ozone	Former Subpart 1	50	-	4.04	9.12	18.42
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.10	0.22	0.45
Flint, MI	Ozone	Maintenance	100	-	7.11	16.06	32.42
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.02	0.03	0.07
Fort Collins, CO	CO	Maintenance	100	-	2.42	5.47	11.04
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.01	0.02	0.04
Fort Wayne, IN	Ozone	Maintenance	100	-	5.00	11.28	22.78
Franklin County, PA	Ozone	Maintenance	100	-	2.08	4.71	9.50
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.01	0.02	0.05
Frederick County, VA	Ozone	Former Subpart 1	50	-	1.79	4.04	8.15
Fredericksburg, VA	Ozone	Maintenance	100	-	5.69	12.84	25.93
Freehold, NJ	CO	Maintenance	100	-	0.24	0.54	1.08
Fresno, CA	CO	Maintenance	100	-	7.79	17.82	36.24
Grand Rapids, MI	Ozone	Maintenance	100	-	11.12	25.12	50.71
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.55	1.25	2.53
Grant County, NM	SO _x	Maintenance	100	-	0.04	0.08	0.17
Grants Pass, OR	CO	Maintenance	100	-	0.01	0.01	0.03
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.45	1.02	2.05
Great Falls, MT	CO	Maintenance	100	-	0.27	0.60	1.22
Greater Connecticut, CT	Ozone	Moderate	50	-	22.20	50.38	101.99
Greeley, CO	CO	Maintenance	100	-	1.69	3.81	7.70
Green Bay, WI	SO _x	Maintenance	100	-	1.68	3.80	7.68
Greene County, IN	Ozone	Maintenance	100	-	0.67	1.50	3.03
Greene County, PA	Ozone	Maintenance	100	-	0.62	1.40	2.83
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	21.82	49.60	100.50
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	10.59	24.23	49.28
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	11.85	27.10	55.12
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.31	0.70	1.41
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	1.58	3.56	7.18
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	11.53	26.18	53.04
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	10.62	24.15	48.93
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	14.26	32.44	65.78
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.14	0.31	0.63
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.54	1.21	2.45
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.07	0.15	0.31
Hazelwood, PA	SO _x	Maintenance	100	-	0.52	1.20	2.44
Hickory, NC	PM _{2.5}	Nonattainment	100	-	2.44	5.50	11.11
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	4.01	9.06	18.30
Hollis Township, IL	SO _x	Maintenance	100	-	0.03	0.06	0.14
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-1,120.49	-1,594.59	-2,109.57
Humphreys County, TN	SO _x	Maintenance	100	-	0.04	0.08	0.17
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-248.52	-363.79	-500.33
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-250.42	-368.09	-509.00
Huron County, MI	Ozone	Maintenance	100	-	0.39	0.88	1.77

**Table B2-6
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Nitrogen Oxide (NO_x) 2025**

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Imperial County, CA	Ozone	Moderate	50	-	3.00	6.78	13.70
Imperial Valley, CA	PM ₁₀	Serious	70	-	2.94	6.63	13.39
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.46	1.04	2.09
Indianapolis, IN	CO	Maintenance	100	-	0.01	0.03	0.06
Indianapolis, IN	Ozone	Maintenance	100	-	27.45	62.00	125.17
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	21.76	49.14	99.21
Jackson County, IN	Ozone	Maintenance	100	-	1.08	2.45	4.94
Jamestown, NY	Ozone	Former Subpart 1	50	-	2.12	4.80	9.68
Jefferson County, NY	Ozone	Moderate	50	-	1.69	3.82	7.71
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.11	0.24	0.48
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	2.96	6.69	13.52
Johnstown, PA	Ozone	Maintenance	100	-	1.38	3.12	6.30
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	1.52	3.42	6.91
Juneau, AK	PM ₁₀	Moderate	100	-	0.15	0.33	0.67
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	6.91	15.59	31.48
Kalispell, MT	PM ₁₀	Moderate	100	-	0.40	0.91	1.84
Kansas City, MO-KS	Ozone	Maintenance	100	-	21.51	49.60	101.37
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	1.97	4.44	8.96
Kent, WA	PM ₁₀	Maintenance	100	-	0.34	0.77	1.56
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	1.13	2.56	5.16
Kewaunee County, WI	Ozone	Maintenance	100	-	0.34	0.76	1.54
King County, WA	PM ₁₀	Maintenance	100	-	0.14	0.32	0.64
Klamath Falls, OR	CO	Maintenance	100	-	0.68	1.53	3.08
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.68	1.53	3.08
Knoxville, TN	Ozone	Former Subpart 1	50	-	16.29	36.78	74.26
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	12.60	28.46	57.46
La Porte County, IN	SO _x	Maintenance	100	-	0.47	1.07	2.16
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.21	0.46	0.94
Lake County, IN	SO _x	Maintenance	100	-	3.94	9.08	18.52
Lake County, OH	SO _x	Maintenance	100	-	0.49	1.10	2.23
Lake County, OR	PM ₁₀	Maintenance	100	-	0.08	0.19	0.38
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.40	0.91	1.84
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.86	1.95	3.93
Lake Tahoe, NV	CO	Maintenance	100	-	0.28	0.62	1.26
Lamar, CO	PM ₁₀	Maintenance	100	-	0.12	0.27	0.55
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.02	0.04	0.09
Lancaster, PA	Ozone	Maintenance	100	-	6.00	13.68	27.77
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	6.00	13.68	27.77
Lane County, OR	PM ₁₀	Moderate	100	-	0.02	0.04	0.09
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	6.53	14.74	29.76
LaPorte, IN	Ozone	Maintenance	100	-	1.33	3.00	6.06
Las Vegas, NV	CO	Serious	100	-	20.59	46.51	93.89
Las Vegas, NV	Ozone	Former Subpart 1	50	-	20.90	47.19	95.28
Lauderdale County, AL	SO _x	Maintenance	100	-	1.20	2.71	5.48
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.02	0.05	0.11
Libby, MT	PM ₁₀	Moderate	100	-	0.06	0.14	0.27
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.08	0.18	0.36
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.18	0.41	0.85
Lima, OH	Ozone	Maintenance	100	-	-217.75	-320.43	-443.76

**Table B2-6
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Nitrogen Oxide (NO_x) 2025**

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Longmont, CO	CO	Maintenance	100	-	1.25	2.82	5.70
Lorain County, OH	SO _x	Maintenance	100	-	0.63	1.42	2.87
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-93.64	25.16	331.38
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	-93.64	25.16	331.38
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-93.64	25.16	331.38
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-93.64	25.16	331.39
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-93.65	25.14	331.34
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	9.47	21.39	43.19
Louisville, KY-IN	Ozone	Maintenance	100	-	15.44	34.87	70.40
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	14.94	33.74	68.11
Lowell, MA	CO	Maintenance	100	-	1.55	3.51	7.08
Lucas County, OH	SO _x	Maintenance	100	-	4.09	9.23	18.63
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.85	1.91	3.87
Macon, GA	Ozone	Maintenance	100	-	2.87	6.47	13.06
Macon, GA	PM _{2.5}	Nonattainment	100	-	2.83	6.40	12.92
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.04	0.09	0.18
Madison, WI	SO _x	Maintenance	100	-	3.36	7.58	15.31
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.13	0.29	0.60
Manchester, NH	CO	Maintenance	100	-	1.06	2.39	4.82
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	1.39	3.13	6.32
Marion County, IN	SO _x	Maintenance	100	-	4.28	9.66	19.51
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	1.54	3.49	7.04
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	4.37	9.86	19.90
Mason County, MI	Ozone	Maintenance	100	-	0.36	0.82	1.65
Medford, OR	CO	Maintenance	100	-	1.07	2.41	4.88
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	2.55	5.76	11.63
Memphis, TN-AR	Ozone	Maintenance	100	-	-46.05	-57.34	-60.43
Memphis, TN	CO	Maintenance	100	-	-47.14	-59.81	-65.43
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.40	0.91	1.84
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.07	0.15	0.32
Milwaukee, WI	SO _x	Maintenance	100	-	7.23	16.32	32.95
Milwaukee-Racine, WI	Ozone	Moderate	50	-	24.37	55.04	111.13
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-167.16	-216.02	-244.65
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	37.16	84.87	172.48
Missoula, MT	CO	Maintenance	100	-	0.27	1.06	2.67
Missoula, MT	PM ₁₀	Moderate	100	-	0.26	1.03	2.58
Modesto, CA	CO	Maintenance	100	-	4.24	9.57	19.31
Mohave County, AZ	PM ₁₀	Maintenance	100	-	1.42	3.21	6.48
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.02	0.04	0.09
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.05	0.10	0.21
Morristown, NJ	CO	Maintenance	100	-	0.45	1.01	2.04
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.40	0.90	1.81
Muncie, IN	Ozone	Maintenance	100	-	1.58	3.57	7.22
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.06	0.14	0.28
Muscatine County, IA	SO _x	Maintenance	100	-	0.21	0.47	0.95
Muskegon, MI	Ozone	Maintenance	100	-	1.75	3.96	8.02
Nashua, NH	CO	Maintenance	100	-	0.84	1.91	3.85
Nashville, TN	Ozone	Former Subpart 1	50	-	22.02	50.04	101.41

**Table B2-6
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Nitrogen Oxide (NO_x) 2025**

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	1.93	4.36	8.81
New Haven County, CT	PM ₁₀	Maintenance	100	-	1.90	4.30	8.68
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	10.75	24.29	49.04
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.08	0.19	0.37
New York County, NY	PM ₁₀	Moderate	100	-	6.24	14.10	28.46
New York-N. New Jersey-Long Island, NY-NJ- CT	CO	Maintenance	100	-	-12.59	65.08	242.27
New York-N. New Jersey-Long Island, NY-NJ- CT	PM _{2.5}	Nonattainment	100	-	31.54	205.48	574.04
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	29.82	201.59	566.19
Nogales, AZ	PM ₁₀	Moderate	100	-	0.56	1.26	2.55
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-114.54	-152.34	-181.48
Ogden, UT	CO	Maintenance	100	-	0.96	2.17	4.38
Ogden, UT	PM ₁₀	Moderate	100	-	0.96	2.17	4.38
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.03	0.07	0.15
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.29	0.65	1.31
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	1.47	3.32	6.70
Owens Valley, CA	PM ₁₀	Serious	70	-	0.05	0.12	0.24
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	1.98	4.48	9.04
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	1.99	4.51	9.10
Payson, AZ	PM ₁₀	Maintenance	100	-	0.27	0.60	1.22
Penns Grove, NJ	CO	Maintenance	100	-	0.01	0.01	0.03
Peoria, IL	SO _x	Maintenance	100	-	1.07	2.65	5.62
Perth Amboy, NJ	CO	Maintenance	100	-	-50.30	-73.45	-100.68
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	5.33	12.05	24.33
Philadelaphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-381.18	-515.51	-631.29
Philidelphia-Wilmington-Atlantic City, PA-NY- MD-DE	Ozone	Moderate	50	-	-353.34	-452.14	-502.75
Phoenix, AZ	CO	Maintenance	100	-	63.98	144.92	293.10
Phoenix, AZ	PM ₁₀	Serious	70	-	65.94	149.35	302.04
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	66.16	149.86	303.07
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.15	0.33	0.67
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.02	0.04	0.08
Pittsburgh, PA	CO	Maintenance	100	-	0.30	0.69	1.41
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	26.70	60.84	123.49
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	24.34	55.51	112.72
Polk County, TN	SO _x	Maintenance	100	-	0.29	0.65	1.31
Polson, MT	PM ₁₀	Moderate	100	-	0.04	0.09	0.18
Portland, ME	Ozone	Maintenance	100	-	6.64	15.81	32.88
Portland, OR	CO	Maintenance	100	-	15.09	34.68	70.73
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.60	1.35	2.74
Poughkeepsie, NY	Ozone	Moderate	50	-	18.70	42.24	85.27
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.13	0.28	0.58
Providence (entire State), RI	Ozone	Moderate	50	-	12.17	28.51	58.75
Provo, UT	CO	Maintenance	100	-	2.23	5.04	10.17
Raleigh-Durham, NC	CO	Maintenance	100	-	17.63	40.01	80.99
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	24.13	54.67	110.60
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.02	0.05	0.11

Table B2-6
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Nitrogen Oxide (NO_x) 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Reading, PA	Ozone	Maintenance	100	-	4.56	10.29	20.78
Reading, PA	PM _{2.5}	Nonattainment	100	-	4.56	10.29	20.78
Reno, NV	CO	Maintenance	100	-	3.34	7.55	15.24
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.01	0.03	0.06
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	15.96	36.66	74.76
Rillito, AZ	PM ₁₀	Moderate	100	-	0.67	1.51	3.04
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	8.77	19.81	40.00
Roanoke, VA	Ozone	Former Subpart 1	50	-	3.59	8.10	16.35
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	1.10	2.48	5.01
Rochester, NY	Ozone	Former Subpart 1	50	-	18.31	41.35	83.48
Rocky Mount, NC	Ozone	Maintenance	100	-	2.54	5.74	11.58
Rome, GA	PM _{2.5}	Nonattainment	100	-	1.64	3.71	7.49
Ronan, MT	PM ₁₀	Moderate	100	-	0.02	0.04	0.07
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.03	0.08	0.16
Sacramento County, CA	PM ₁₀	Moderate	100	-	20.49	46.26	93.40
Sacramento Metro, CA	Ozone	Severe	25	-	36.07	82.06	166.37
Sacramento, CA	CO	Maintenance	100	-	22.77	51.49	104.03
Salem, OR	CO	Maintenance	100	-	1.79	4.05	8.18
Salt Lake City, UT	CO	Maintenance	100	-	-21.70	-29.78	-37.31
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-10.51	-4.51	13.69
Salt Lake County, UT	SO _x	Nonattainment	100	-	14.09	31.83	64.26
San Antonio, TX	Ozone	Former Subpart 1	50	-	23.88	55.15	112.79
San Bernardino County, CA	PM ₁₀	Moderate	100	-	5.89	13.30	26.86
San Diego, CA	CO	Maintenance	100	-	56.61	128.07	258.83
San Diego, CA	Ozone	Former Subpart 1	50	-	56.71	128.31	259.31
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-542.02	-731.99	-894.30
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-530.36	-705.66	-841.14
San Joaquin Valley, CA	Ozone	Extreme	10	-	49.14	121.27	257.02
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	49.40	121.85	258.21
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	49.14	121.27	257.02
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.46	1.04	2.10
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.01	0.02	0.04
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	9.16	20.68	41.74
Seattle-Tacoma, WA	CO	Maintenance	100	-	40.91	92.39	186.52
Sheboygan, WI	Ozone	Moderate	50	-	1.63	3.67	7.41
Sheridan, WY	PM ₁₀	Moderate	100	-	0.30	0.67	1.36
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.24	0.54	1.09
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	5.79	13.39	27.39
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	2.38	5.38	10.86
Spokane County, WA	PM ₁₀	Maintenance	100	-	4.06	9.18	18.53
Spokane, WA	CO	Maintenance	100	-	4.02	9.08	18.34
Springfield (western MA), MA	Ozone	Moderate	50	-	11.68	26.80	54.60
Springfield, MA	CO	Maintenance	100	-	1.77	4.15	8.57
St Louis, MO	CO	Maintenance	100	-	12.53	28.31	57.15
St Louis, MO-IL	Ozone	Moderate	50	-	-314.31	-432.57	-544.56
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-314.57	-433.17	-545.78
State College, PA	Ozone	Maintenance	100	-	2.34	5.28	10.66

**Table B2-6
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Nitrogen Oxide (NO_x) 2025**

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.25	0.57	1.15
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.58	1.32	2.66
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-11.59	-16.09	-20.54
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-11.59	-16.09	-20.54
Stockton, CA	CO	Maintenance	100	-	6.36	14.37	29.02
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	7.02	15.86	32.02
Telluride, CO	PM ₁₀	Maintenance	100	-	0.02	0.05	0.09
Terre Haute, IN	Ozone	Maintenance	100	-	1.80	4.06	8.20
Tioga County, PA	Ozone	Maintenance	100	-	0.77	1.74	3.51
Toledo, OH	Ozone	Maintenance	100	-	-204.01	-295.44	-400.47
Toms River, NJ	CO	Maintenance	100	-	1.36	3.07	6.20
Tooele County, UT	SO _x	Nonattainment	100	-	1.38	3.12	6.29
Trenton, NJ	CO	Maintenance	100	-	1.21	2.73	5.52
Trona, CA	PM ₁₀	Moderate	100	-	0.04	0.10	0.20
Tucson, AZ	CO	Maintenance	100	-	13.60	30.72	62.02
Utah County, UT	PM ₁₀	Moderate	100	-	6.64	14.99	30.26
Vancouver, WA	CO	Maintenance	100	-	4.26	9.61	19.40
Ventura County, CA	Ozone	Serious	50	-	10.92	25.12	51.27
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.10	0.22	0.45
Vigo County, IN	SO _x	Maintenance	100	-	1.80	4.06	8.20
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.77	1.74	3.52
Warren County, NJ	SO _x	Maintenance	100	-	0.49	1.11	2.24
Warren County, PA	SO _x	Nonattainment	100	-	0.06	0.25	0.62
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	2.91	6.57	13.26
Washington, DC-MD-VA	CO	Maintenance	100	-	21.42	48.38	97.66
Washington, DC-MD-VA	Ozone	Moderate	50	-	73.89	166.86	336.87
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	72.35	163.38	329.85
Washoe County, NV	PM ₁₀	Serious	70	-	3.34	7.55	15.24
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.06	0.13	0.26
Wayne County, IN	SO _x	Maintenance	100	-	0.98	2.21	4.47
Wayne County, MI	PM ₁₀	Maintenance	100	-	-52.51	-76.76	-105.39
Weirton, WV	PM ₁₀	Maintenance	100	-	0.13	0.30	0.60
Weirton, WV	SO _x	Maintenance	100	-	0.17	0.39	0.79
Wheeling, WV-OH	Ozone	Maintenance	100	-	2.04	4.61	9.31
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	2.04	4.61	9.31
Winston-Salem, NC	CO	Maintenance	100	-	5.62	12.69	25.63
Worcester, MA	CO	Maintenance	100	-	2.98	6.73	13.58
Yakima County, WA	PM ₁₀	Maintenance	100	-	1.27	2.87	5.80
Yakima, WA	CO	Maintenance	100	-	0.52	1.18	2.39
York, PA	Ozone	Maintenance	100	-	6.09	13.75	27.76
York, PA	PM _{2.5}	Nonattainment	100	-	4.73	10.69	21.59
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	8.73	19.72	39.80
Yuma, AZ	PM ₁₀	Moderate	100	-	2.54	5.74	11.58

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

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

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

Source: EPA, 2008.

**Table B2-7
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Nitrogen Oxide (NOx) 2040**

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.12	0.23	0.10
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.27	0.54	0.24
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.28	0.56	0.25
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	82.32	164.08	71.00
Albuquerque, NM	CO	Maintenance	100	-	38.11	75.52	33.27
Allegan County, MI	Ozone	Former Subpart 1	50	-	10.12	20.06	8.84
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	37.57	75.15	32.14
Altoona, PA	Ozone	Maintenance	100	-	6.14	12.18	5.36
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	13.19	26.14	11.52
Anchorage, AK	CO	Maintenance	100	-	9.89	19.60	8.64
Anthony, NM	PM ₁₀	Moderate	100	-	0.48	0.94	0.42
Armstrong County, PA	SO _x	Nonattainment	100	-	0.32	0.63	0.28
Aspen, CO	PM ₁₀	Maintenance	100	-	0.48	0.95	0.42
Atlanta, GA	Ozone	Moderate	50	-	456.06	905.11	397.05
Atlanta, GA	PM _{2,5}	Nonattainment	100	-	456.26	905.50	397.22
Atlantic City, NJ	CO	Maintenance	100	-	3.23	6.40	2.82
Bakersfield, CA	CO	Maintenance	100	-	-12.03	3.29	-36.24
Baltimore, MD	CO	Maintenance	100	-	0.50	1.08	0.36
Baltimore, MD	Ozone	Moderate	50	-	196.69	392.25	169.45
Baltimore, MD	PM _{2,5}	Nonattainment	100	-	196.69	392.24	169.45
Baton Rouge, LA	Ozone	Moderate	50	-	-1,212.59	-1,602.16	-1,818.65
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-3,496.20	-4,689.22	-5,177.43
Benton County, TN	SO _x	Maintenance	100	-	0.07	0.14	0.06
Benton Harbor, MI	Ozone	Maintenance	100	-	10.55	20.98	9.14
Benzie County, MI	Ozone	Maintenance	100	-	1.68	3.33	1.47
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	9.88	19.58	8.63
Billings, MT	CO	Maintenance	100	-	-414.22	-554.43	-614.47
Birmingham, AL	Ozone	Maintenance	100	-	23.80	72.57	-3.33
Birmingham, AL	PM _{2,5}	Nonattainment	100	-	24.01	73.01	-3.13
Boise-Northern Ada County, ID	CO	Maintenance	100	-	20.45	41.60	16.84
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	20.45	41.60	16.84
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	1.21	2.40	1.06
Boston, MA	CO	Maintenance	100	-	54.58	108.18	47.65
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	333.70	661.43	291.31
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	43.66	86.53	38.12
Boyd County (part), KY	SO _x	Maintenance	100	-	0.59	1.17	0.52
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	73.11	144.90	63.84
Burlington, NJ	CO	Maintenance	100	-	0.44	0.87	0.38
Butte, MT	PM ₁₀	Moderate	100	-	1.20	2.38	1.05
Canon City, CO	PM ₁₀	Maintenance	100	-	1.39	2.75	1.21
Canton-Massillon, OH	Ozone	Maintenance	100	-	-124.18	-155.54	-194.34
Canton-Massillon, OH	PM _{2,5}	Nonattainment	100	-	-124.18	-155.54	-194.34
Case County, MI	Ozone	Maintenance	100	-	2.75	5.45	2.40
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.05	0.10	0.04
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.36	0.71	0.31
Charleston, WV	Ozone	Maintenance	100	-	16.54	32.78	14.44
Charleston, WV	PM _{2,5}	Nonattainment	100	-	16.54	32.78	14.44
Charlotte, NC	CO	Maintenance	100	-	50.74	100.56	44.30

Table B2-7
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Nitrogen Oxide (NOx) 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	112.01	221.99	97.80
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	34.38	68.28	29.89
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	31.58	62.72	27.44
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-1,850.02	-2,190.36	-3,015.61
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-1,834.08	-2,158.76	-3,001.69
Chico, CA	CO	Maintenance	100	-	8.48	16.80	7.40
Chico, CA	Ozone	Former Subpart 1	50	-	18.62	36.91	16.26
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	128.67	255.00	112.35
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	124.69	247.13	108.88
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.76	1.52	0.64
Clark County, NV	PM ₁₀	Serious	70	-	108.63	215.30	94.86
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	17.62	34.92	15.39
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	11.40	22.60	9.96
Cleveland, OH	CO	Maintenance	100	-	55.14	109.29	48.15
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	162.13	321.33	141.57
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	148.85	295.01	129.97
Coachella Valley, CA	PM ₁₀	Serious	70	-	48.27	95.67	42.15
Colbert County, AL	SO _x	Maintenance	100	-	3.50	6.93	3.05
Colorado Springs, CO	CO	Maintenance	100	-	37.65	76.99	30.63
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.39	0.77	0.34
Columbia, SC	Ozone	Former Subpart 1	50	-	42.43	84.09	37.05
Columbus, OH	Ozone	Maintenance	100	-	115.75	229.40	101.07
Columbus, OH	PM _{2.5}	Nonattainment	100	-	107.61	213.27	93.96
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.09	0.24	0.02
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.02	0.05	0.02
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	55.14	109.29	48.15
Cuyahoga County, OH	SO _x	Maintenance	100	-	45.85	90.87	40.04
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	484.18	962.84	419.70
Dayton-Springfield, OH	Ozone	Maintenance	100	-	51.65	102.37	45.10
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	45.50	90.18	39.73
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-52.24	61.20	-201.86
Denver-Boulder, CO	CO	Maintenance	100	-	-61.30	43.24	-209.77
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-9.67	145.63	-164.76
Detroit, MI	CO	Maintenance	100	-	-172.54	-172.59	-311.30
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-44.69	130.31	-246.65
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-50.29	119.22	-251.54
Door County, WI	Ozone	Former Subpart 1	50	-	2.50	4.95	2.18
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	2.23	4.42	1.95
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	1.80	3.57	1.57
Duluth, MN	CO	Maintenance	100	-	4.96	9.82	4.33
Eagle River, AK	PM ₁₀	Moderate	100	-	0.61	1.22	0.54
East Chicago, IN	CO	Maintenance	100	-	0.06	0.12	0.05
East Chicago, IN	PM ₁₀	Maintenance	100	-	-1,535.39	-2,058.13	-2,274.83
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.07	0.13	0.06
El Paso County, TX	PM ₁₀	Moderate	100	-	-127.60	-151.04	-208.03
El Paso, TX	CO	Maintenance	100	-	1.96	3.92	1.68
Erie, PA	Ozone	Maintenance	100	-	14.15	28.04	12.35

**Table B2-7
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Nitrogen Oxide (NOx) 2040**

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.11	0.22	0.10
Eugene-Springfield, OR	CO	Maintenance	100	-	15.37	30.47	13.42
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	14.73	29.19	12.86
Evansville, IN	Ozone	Maintenance	100	-	16.19	32.09	14.14
Evansville, IN	PM _{2.5}	Nonattainment	100	-	20.65	40.93	18.03
Fairbanks, AK	CO	Maintenance	100	-	1.22	2.41	1.06
Fayetteville, NC	Ozone	Former Subpart 1	50	-	19.14	37.93	16.71
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.51	1.01	0.44
Flint, MI	Ozone	Maintenance	100	-	32.71	64.84	28.57
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.06	0.12	0.05
Fort Collins, CO	CO	Maintenance	100	-	12.52	24.80	10.93
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.04	0.08	0.04
Fort Wayne, IN	Ozone	Maintenance	100	-	23.72	47.01	20.71
Franklin County, PA	Ozone	Maintenance	100	-	10.12	20.05	8.83
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.05	0.09	0.04
Frederick County, VA	Ozone	Former Subpart 1	50	-	8.52	16.90	7.44
Fredericksburg, VA	Ozone	Maintenance	100	-	29.74	58.93	25.96
Freehold, NJ	CO	Maintenance	100	-	1.28	2.54	1.12
Fresno, CA	CO	Maintenance	100	-	40.06	80.00	34.40
Grand Rapids, MI	Ozone	Maintenance	100	-	54.93	108.87	47.97
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	2.40	4.77	2.08
Grant County, NM	SO _x	Maintenance	100	-	0.16	0.31	0.14
Grants Pass, OR	CO	Maintenance	100	-	0.03	0.06	0.03
Grants Pass, OR	PM ₁₀	Maintenance	100	-	2.33	4.62	2.04
Great Falls, MT	CO	Maintenance	100	-	1.12	2.22	0.98
Greater Connecticut, CT	Ozone	Moderate	50	-	102.69	204.18	89.05
Greeley, CO	CO	Maintenance	100	-	8.41	16.67	7.34
Green Bay, WI	SO _x	Maintenance	100	-	8.11	16.07	7.08
Greene County, IN	Ozone	Maintenance	100	-	3.14	6.23	2.74
Greene County, PA	Ozone	Maintenance	100	-	2.83	5.61	2.47
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	102.50	204.01	88.69
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	49.51	98.98	42.42
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	54.64	109.22	46.84
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	1.44	2.85	1.25
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	7.52	14.89	6.56
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	56.88	113.15	49.27
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	52.40	104.27	45.36
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	65.24	129.94	56.34
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.71	1.41	0.62
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	2.80	5.55	2.45
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.32	0.63	0.28
Hazelwood, PA	SO _x	Maintenance	100	-	2.45	4.92	2.07
Hickory, NC	PM _{2.5}	Nonattainment	100	-	10.93	21.67	9.55
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	18.37	36.40	16.04
Hollis Township, IL	SO _x	Maintenance	100	-	0.12	0.25	0.09
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-3,655.86	-4,679.27	-5,626.41
Humphreys County, TN	SO _x	Maintenance	100	-	0.18	0.35	0.15
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-832.53	-1,108.56	-1,240.50

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Nitrogen Oxide (NOx) 2040**

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-841.39	-1,126.13	-1,248.24
Huron County, MI	Ozone	Maintenance	100	-	1.76	3.48	1.54
Imperial County, CA	Ozone	Moderate	50	-	15.73	31.18	13.74
Imperial Valley, CA	PM ₁₀	Serious	70	-	15.40	30.52	13.45
Indian Wells, CA	PM ₁₀	Maintenance	100	-	2.09	4.14	1.82
Indianapolis, IN	CO	Maintenance	100	-	0.06	0.11	0.05
Indianapolis, IN	Ozone	Maintenance	100	-	134.25	266.07	117.23
Indianapolis, IN	PM _{2,5}	Nonattainment	100	-	106.65	211.37	93.13
Jackson County, IN	Ozone	Maintenance	100	-	5.01	9.94	4.38
Jamestown, NY	Ozone	Former Subpart 1	50	-	9.81	19.45	8.57
Jefferson County, NY	Ozone	Moderate	50	-	7.90	15.67	6.90
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.44	0.87	0.38
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	13.50	26.77	11.79
Johnstown, PA	Ozone	Maintenance	100	-	5.60	11.09	4.89
Johnstown, PA	PM _{2,5}	Nonattainment	100	-	6.16	12.21	5.38
Juneau, AK	PM ₁₀	Moderate	100	-	0.80	1.59	0.70
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	31.96	63.35	27.91
Kalispell, MT	PM ₁₀	Moderate	100	-	2.07	4.10	1.81
Kansas City, MO-KS	Ozone	Maintenance	100	-	107.56	216.00	91.23
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	9.69	19.21	8.47
Kent, WA	PM ₁₀	Maintenance	100	-	1.78	3.52	1.55
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	5.30	10.51	4.63
Kewaunee County, WI	Ozone	Maintenance	100	-	1.54	3.05	1.35
King County, WA	PM ₁₀	Maintenance	100	-	0.70	1.39	0.61
Klamath Falls, OR	CO	Maintenance	100	-	3.09	6.12	2.70
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	3.09	6.12	2.70
Knoxville, TN	Ozone	Former Subpart 1	50	-	82.42	163.35	71.97
Knoxville, TN	PM _{2,5}	Nonattainment	100	-	62.86	124.58	54.89
La Porte County, IN	SO _x	Maintenance	100	-	2.09	4.15	1.83
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.96	1.91	0.84
Lake County, IN	SO _x	Maintenance	100	-	17.88	35.89	15.18
Lake County, OH	SO _x	Maintenance	100	-	2.24	4.45	1.96
Lake County, OR	PM ₁₀	Maintenance	100	-	0.37	0.74	0.32
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	2.36	4.67	2.06
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	5.17	10.24	4.51
Lake Tahoe, NV	CO	Maintenance	100	-	1.30	2.58	1.14
Lamar, CO	PM ₁₀	Maintenance	100	-	0.55	1.09	0.48
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.08	0.16	0.07
Lancaster, PA	Ozone	Maintenance	100	-	29.08	58.01	25.04
Lancaster, PA	PM _{2,5}	Nonattainment	100	-	29.08	58.01	25.04
Lane County, OR	PM ₁₀	Moderate	100	-	0.08	0.16	0.07
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	30.79	61.03	26.89
LaPorte, IN	Ozone	Maintenance	100	-	5.84	11.57	5.10
Las Vegas, NV	CO	Serious	100	-	108.63	215.30	94.86
Las Vegas, NV	Ozone	Former Subpart 1	50	-	109.98	217.96	96.03
Lauderdale County, AL	SO _x	Maintenance	100	-	5.39	10.68	4.70
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.11	0.22	0.10
Libby, MT	PM ₁₀	Moderate	100	-	0.26	0.52	0.23
Libby, MT	PM _{2,5}	Nonattainment	100	-	0.35	0.69	0.30

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.76	1.52	0.64
Lima, OH	Ozone	Maintenance	100	-	-731.72	-980.40	-1,084.55
Longmont, CO	CO	Maintenance	100	-	6.53	12.94	5.70
Lorain County, OH	SO _x	Maintenance	100	-	2.97	5.89	2.59
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	23.17	694.81	-595.26
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	23.17	694.81	-595.26
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	23.17	694.81	-595.26
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	23.18	694.83	-595.25
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	23.12	694.71	-595.30
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	47.71	94.56	41.66
Louisville, KY-IN	Ozone	Maintenance	100	-	71.32	141.35	62.28
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	68.38	135.53	59.71
Lowell, MA	CO	Maintenance	100	-	7.66	15.19	6.69
Lucas County, OH	SO _x	Maintenance	100	-	18.11	35.89	15.81
Lyons Township, IL	PM ₁₀	Maintenance	100	-	3.77	7.48	3.28
Macon, GA	Ozone	Maintenance	100	-	12.55	24.87	10.96
Macon, GA	PM _{2.5}	Nonattainment	100	-	12.40	24.58	10.83
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.17	0.34	0.15
Madison, WI	SO _x	Maintenance	100	-	17.37	34.42	15.17
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.79	1.56	0.69
Manchester, NH	CO	Maintenance	100	-	4.63	9.18	4.04
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	6.30	12.49	5.50
Marion County, IN	SO _x	Maintenance	100	-	19.17	38.00	16.74
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	8.49	16.83	7.41
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	20.69	41.01	18.07
Mason County, MI	Ozone	Maintenance	100	-	1.73	3.43	1.51
Medford, OR	CO	Maintenance	100	-	5.62	11.14	4.91
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	13.49	26.73	11.78
Memphis, TN-AR	Ozone	Maintenance	100	-	-139.84	-149.22	-243.44
Memphis, TN	CO	Maintenance	100	-	-144.51	-158.47	-247.52
Miami (Gila County), AZ	SO _x	Maintenance	100	-	2.09	4.14	1.82
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.29	0.59	0.24
Milwaukee, WI	SO _x	Maintenance	100	-	32.63	64.67	28.49
Milwaukee-Racine, WI	Ozone	Moderate	50	-	116.53	230.95	101.75
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-503.32	-554.73	-859.49
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	183.13	365.56	157.43
Missoula, MT	CO	Maintenance	100	-	2.19	5.55	0.77
Missoula, MT	PM ₁₀	Moderate	100	-	2.12	5.37	0.74
Modesto, CA	CO	Maintenance	100	-	22.76	45.11	19.87
Mohave County, AZ	PM ₁₀	Maintenance	100	-	7.72	15.30	6.74
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.11	0.22	0.10
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.21	0.41	0.18
Morristown, NJ	CO	Maintenance	100	-	2.36	4.67	2.06
Muhlenberg County, KY	SO _x	Maintenance	100	-	1.76	3.50	1.54
Muncie, IN	Ozone	Maintenance	100	-	6.72	13.31	5.87
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.31	0.62	0.27
Muscatine County, IA	SO _x	Maintenance	100	-	0.99	1.97	0.87
Muskegon, MI	Ozone	Maintenance	100	-	8.35	16.61	7.24
Nashua, NH	CO	Maintenance	100	-	3.73	7.39	3.26

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Nashville, TN	Ozone	Former Subpart 1	50	-	109.45	217.79	94.74
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	11.26	22.32	9.83
New Haven County, CT	PM ₁₀	Maintenance	100	-	9.74	19.30	8.50
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	49.16	97.43	42.93
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.36	0.71	0.31
New York County, NY	PM ₁₀	Moderate	100	-	27.45	54.41	23.97
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	93.48	441.71	-161.60
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	380.09	1,121.47	-17.33
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	371.58	1,104.61	-24.75
Nogales, AZ	PM ₁₀	Moderate	100	-	2.74	5.42	2.39
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-357.58	-417.13	-588.80
Ogden, UT	CO	Maintenance	100	-	4.41	8.74	3.85
Ogden, UT	PM ₁₀	Moderate	100	-	4.41	8.74	3.85
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.13	0.26	0.12
Olmsted County, MN	PM ₁₀	Maintenance	100	-	1.26	2.49	1.10
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	7.54	14.95	6.58
Owens Valley, CA	PM ₁₀	Serious	70	-	0.29	0.58	0.26
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.01	0.02	0.01
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	9.00	17.83	7.86
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	9.05	17.94	7.90
Payson, AZ	PM ₁₀	Maintenance	100	-	1.34	2.66	1.17
Penns Grove, NJ	CO	Maintenance	100	-	0.03	0.06	0.03
Peoria, IL	SO _x	Maintenance	100	-	5.12	10.78	3.86
Perth Amboy, NJ	CO	Maintenance	100	-	-167.34	-221.55	-250.56
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	23.16	45.91	20.22
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-1,206.43	-1,444.10	-1,951.60
Philidelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-1,073.77	-1,179.79	-1,837.10
Phoenix, AZ	CO	Maintenance	100	-	366.00	726.58	318.44
Phoenix, AZ	PM ₁₀	Serious	70	-	376.08	746.56	327.23
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	377.15	748.69	328.17
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.65	1.29	0.57
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.07	0.14	0.06
Pittsburgh, PA	CO	Maintenance	100	-	1.63	3.28	1.38
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	122.38	244.07	105.42
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	111.58	222.64	96.01
Polk County, TN	SO _x	Maintenance	100	-	1.33	2.63	1.16
Polson, MT	PM ₁₀	Moderate	100	-	0.21	0.42	0.19
Portland, ME	Ozone	Maintenance	100	-	32.93	67.49	26.65
Portland, OR	CO	Maintenance	100	-	71.65	143.66	60.98
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	2.74	5.44	2.40
Poughkeepsie, NY	Ozone	Moderate	50	-	96.47	191.20	84.24
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.55	1.09	0.48
Providence (entire State), RI	Ozone	Moderate	50	-	60.80	123.28	50.44
Provo, UT	CO	Maintenance	100	-	11.53	22.86	10.07
Raleigh-Durham, NC	CO	Maintenance	100	-	89.74	178.36	77.89

Table B2-7
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Nitrogen Oxide (NOx) 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	122.25	242.79	106.27
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.10	0.20	0.08
Reading, PA	Ozone	Maintenance	100	-	21.30	42.21	18.59
Reading, PA	PM _{2.5}	Nonattainment	100	-	21.30	42.21	18.59
Reno, NV	CO	Maintenance	100	-	15.87	31.45	13.86
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.07	0.15	0.07
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	76.21	152.76	64.92
Rillito, AZ	PM ₁₀	Moderate	100	-	3.57	7.08	3.12
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	48.27	95.67	42.15
Roanoke, VA	Ozone	Former Subpart 1	50	-	16.37	32.44	14.29
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	5.36	10.63	4.68
Rochester, NY	Ozone	Former Subpart 1	50	-	85.74	169.92	74.87
Rocky Mount, NC	Ozone	Maintenance	100	-	11.54	22.87	10.08
Rome, GA	PM _{2.5}	Nonattainment	100	-	7.62	15.10	6.65
Ronan, MT	PM ₁₀	Moderate	100	-	0.08	0.16	0.07
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.16	0.31	0.14
Sacramento County, CA	PM ₁₀	Moderate	100	-	110.27	218.54	96.29
Sacramento Metro, CA	Ozone	Severe	25	-	199.68	397.39	172.79
Sacramento, CA	CO	Maintenance	100	-	123.64	245.24	107.78
Salem, OR	CO	Maintenance	100	-	8.28	16.42	7.23
Salt Lake City, UT	CO	Maintenance	100	-	-68.66	-83.34	-109.97
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-14.40	24.19	-62.59
Salt Lake County, UT	SO _x	Nonattainment	100	-	68.49	135.74	59.80
San Antonio, TX	Ozone	Former Subpart 1	50	-	120.13	241.42	101.72
San Bernardino County, CA	PM ₁₀	Moderate	100	-	29.62	58.70	25.86
San Diego, CA	CO	Maintenance	100	-	298.73	592.69	260.24
San Diego, CA	Ozone	Former Subpart 1	50	-	299.30	593.83	260.74
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-1,677.60	-1,975.45	-2,744.77
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-1,621.11	-1,863.49	-2,695.44
San Joaquin Valley, CA	Ozone	Extreme	10	-	287.81	598.63	224.54
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	288.82	600.64	225.42
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	287.81	598.63	224.54
San Manual (Pinal County), AZ	SO _x	Maintenance	100	-	2.39	4.74	2.09
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.04	0.09	0.04
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	42.87	84.97	37.44
Seattle-Tacoma, WA	CO	Maintenance	100	-	202.95	402.23	177.21
Sheboygan, WI	Ozone	Moderate	50	-	7.89	15.63	6.89
Sheridan, WY	PM ₁₀	Moderate	100	-	1.37	2.72	1.20
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	1.16	2.30	1.01
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	27.66	55.66	23.36
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	9.54	18.93	8.31
Spokane County, WA	PM ₁₀	Maintenance	100	-	20.07	39.78	17.53
Spokane, WA	CO	Maintenance	100	-	19.85	39.34	17.33
Springfield (western MA), MA	Ozone	Moderate	50	-	55.42	110.97	47.32
Springfield, MA	CO	Maintenance	100	-	8.83	17.95	7.28
St Louis, MO	CO	Maintenance	100	-	52.65	104.34	45.97
St Louis, MO-IL	Ozone	Moderate	50	-	-1,011.50	-1,244.44	-1,604.33

Table B2-7
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Nitrogen Oxide (NOx) 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-1,012.71	-1,246.85	-1,605.39
State College, PA	Ozone	Maintenance	100	-	11.62	23.04	10.15
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	1.40	2.78	1.22
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	2.52	5.00	2.20
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-37.81	-47.28	-59.24
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-37.81	-47.28	-59.24
Stockton, CA	CO	Maintenance	100	-	34.38	68.13	30.02
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	31.92	63.26	27.87
Telluride, CO	PM ₁₀	Maintenance	100	-	0.12	0.24	0.11
Terre Haute, IN	Ozone	Maintenance	100	-	7.72	15.30	6.74
Tioga County, PA	Ozone	Maintenance	100	-	3.41	6.75	2.97
Toledo, OH	Ozone	Maintenance	100	-	-678.51	-891.47	-1,022.39
Toms River, NJ	CO	Maintenance	100	-	7.06	13.99	6.16
Tooele County, UT	SO _x	Nonattainment	100	-	6.72	13.32	5.87
Trenton, NJ	CO	Maintenance	100	-	5.78	11.46	5.05
Trona, CA	PM ₁₀	Moderate	100	-	0.23	0.46	0.20
Tucson, AZ	CO	Maintenance	100	-	68.58	135.92	59.88
Utah County, UT	PM ₁₀	Moderate	100	-	33.47	66.34	29.23
Vancouver, WA	CO	Maintenance	100	-	22.28	44.16	19.46
Ventura County, CA	Ozone	Serious	50	-	59.06	118.33	50.36
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.43	0.85	0.38
Vigo County, IN	SO _x	Maintenance	100	-	7.72	15.30	6.74
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	3.59	7.12	3.14
Warren County, NJ	SO _x	Maintenance	100	-	2.35	4.67	2.06
Warren County, PA	SO _x	Nonattainment	100	-	0.41	1.09	0.09
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	13.51	26.77	11.79
Washington, DC-MD-VA	CO	Maintenance	100	-	103.09	204.32	90.02
Washington, DC-MD-VA	Ozone	Moderate	50	-	368.98	731.27	322.18
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	360.81	715.08	315.05
Washoe County, NV	PM ₁₀	Serious	70	-	15.87	31.45	13.86
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.26	0.51	0.22
Wayne County, IN	SO _x	Maintenance	100	-	4.16	8.24	3.63
Wayne County, MI	PM ₁₀	Maintenance	100	-	-176.59	-234.19	-264.03
Weirton, WV	PM ₁₀	Maintenance	100	-	0.52	1.04	0.46
Weirton, WV	SO _x	Maintenance	100	-	0.70	1.38	0.61
Wheeling, WV-OH	Ozone	Maintenance	100	-	8.69	17.23	7.59
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	8.69	17.23	7.59
Winston-Salem, NC	CO	Maintenance	100	-	26.84	53.19	23.43
Worcester, MA	CO	Maintenance	100	-	15.04	29.81	13.13
Yakima County, WA	PM ₁₀	Maintenance	100	-	6.14	12.17	5.36
Yakima, WA	CO	Maintenance	100	-	2.77	5.49	2.42
York, PA	Ozone	Maintenance	100	-	29.76	58.98	25.98
York, PA	PM _{2.5}	Nonattainment	100	-	23.07	45.73	20.15
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	38.08	75.47	33.25
Yuma, AZ	PM ₁₀	Moderate	100	-	13.11	25.98	11.44

a/ Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.
b/ Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

**Table B2-7
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Nitrogen Oxide (NOx) 2040**

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks

c/ Emissions thresholds in tons/year of: VOC or NO_x in ozone NAAs; primary PM_{2.5} in PM_{2.5} NAAs. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the proposed actions. Source: EPA, 2008.

Table B2-8
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Nitrogen Oxide (NO_x) 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.23	0.36	0.19
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.59	0.93	0.49
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.61	0.96	0.50
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	177.10	282.17	145.52
Albuquerque, NM	CO	Maintenance	100	-	80.93	128.36	67.03
Allegan County, MI	Ozone	Former Subpart 1	50	-	22.81	36.18	18.90
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	80.57	128.71	65.89
Altoona, PA	Ozone	Maintenance	100	-	12.24	19.42	10.13
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	32.56	51.64	26.97
Anchorage, AK	CO	Maintenance	100	-	21.93	34.78	18.16
Anthony, NM	PM ₁₀	Moderate	100	-	0.99	1.58	0.82
Armstrong County, PA	SO _x	Nonattainment	100	-	0.69	1.09	0.57
Aspen, CO	PM ₁₀	Maintenance	100	-	1.07	1.70	0.89
Atlanta, GA	Ozone	Moderate	50	-	1,015.17	1,611.82	839.34
Atlanta, GA	PM _{2,5}	Nonattainment	100	-	1,015.49	1,612.34	839.61
Atlantic City, NJ	CO	Maintenance	100	-	6.66	10.56	5.51
Bakersfield, CA	CO	Maintenance	100	-	-19.26	7.86	-51.20
Baltimore, MD	CO	Maintenance	100	-	1.02	1.74	0.74
Baltimore, MD	Ozone	Moderate	50	-	431.46	687.70	354.30
Baltimore, MD	PM _{2,5}	Nonattainment	100	-	431.46	687.69	354.29
Baton Rouge, LA	Ozone	Moderate	50	-	-2,495.08	-2,823.50	-3,107.41
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-7,205.17	-8,257.44	-8,878.07
Benton County, TN	SO _x	Maintenance	100	-	0.14	0.22	0.11
Benton Harbor, MI	Ozone	Maintenance	100	-	20.59	32.76	16.96
Benzie County, MI	Ozone	Maintenance	100	-	3.93	6.24	3.26
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	21.71	34.44	17.98
Billings, MT	CO	Maintenance	100	-	-853.29	-976.16	-1,053.01
Birmingham, AL	Ozone	Maintenance	100	-	49.67	114.76	8.12
Birmingham, AL	PM _{2,5}	Nonattainment	100	-	50.16	115.53	8.53
Boise-Northern Ada County, ID	CO	Maintenance	100	-	45.93	74.22	36.79
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	45.93	74.22	36.79
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	2.86	4.54	2.37
Boston, MA	CO	Maintenance	100	-	115.36	183.00	95.54
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	715.53	1,135.01	592.56
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	95.56	151.56	79.15
Boyd County (part), KY	SO _x	Maintenance	100	-	1.21	1.91	1.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	152.58	242.01	126.38
Burlington, NJ	CO	Maintenance	100	-	0.63	1.01	0.53
Butte, MT	PM ₁₀	Moderate	100	-	2.29	3.63	1.89
Canon City, CO	PM ₁₀	Maintenance	100	-	3.28	5.20	2.72
Canton-Massillon, OH	Ozone	Maintenance	100	-	-256.29	-278.31	-329.95
Canton-Massillon, OH	PM _{2,5}	Nonattainment	100	-	-256.29	-278.31	-329.95
Case County, MI	Ozone	Maintenance	100	-	5.71	9.06	4.73
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.11	0.18	0.10
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.67	1.06	0.55
Charleston, WV	Ozone	Maintenance	100	-	32.63	51.76	27.03
Charleston, WV	PM _{2,5}	Nonattainment	100	-	32.63	51.76	27.03
Charlotte, NC	CO	Maintenance	100	-	113.54	180.08	94.04

Table B2-8
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Nitrogen Oxide (NO_x) 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	248.11	393.53	205.50
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	71.77	114.04	59.27
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	66.46	105.61	54.87
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-3,757.12	-3,869.63	-5,029.80
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-3,722.55	-3,814.80	-5,001.17
Chico, CA	CO	Maintenance	100	-	21.03	33.35	17.42
Chico, CA	Ozone	Former Subpart 1	50	-	44.05	69.87	36.49
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	275.51	437.00	228.20
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	266.61	422.88	220.83
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	1.34	2.15	1.08
Clark County, NV	PM ₁₀	Serious	70	-	252.13	399.91	208.83
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	38.98	61.83	32.29
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	23.76	37.68	19.68
Cleveland, OH	CO	Maintenance	100	-	107.22	170.06	88.80
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	336.48	533.69	278.70
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	307.69	488.03	254.85
Coachella Valley, CA	PM ₁₀	Serious	70	-	115.37	182.99	95.56
Colbert County, AL	SO _x	Maintenance	100	-	6.76	10.72	5.60
Colorado Springs, CO	CO	Maintenance	100	-	86.55	140.45	68.78
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.90	1.43	0.74
Columbia, SC	Ozone	Former Subpart 1	50	-	91.34	144.87	75.65
Columbus, OH	Ozone	Maintenance	100	-	258.90	410.64	214.44
Columbus, OH	PM _{2.5}	Nonattainment	100	-	241.12	382.45	199.72
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.12	0.27	0.02
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.03	0.05	0.03
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	107.22	170.06	88.81
Cuyahoga County, OH	SO _x	Maintenance	100	-	92.44	146.62	76.57
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	1,100.56	1,749.86	907.67
Dayton-Springfield, OH	Ozone	Maintenance	100	-	105.33	167.07	87.25
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	92.50	146.71	76.61
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-67.05	125.88	-268.69
Denver-Boulder, CO	CO	Maintenance	100	-	-87.63	93.24	-285.73
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	28.93	278.21	-189.27
Detroit, MI	CO	Maintenance	100	-	-428.67	-419.54	-594.04
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-72.81	194.43	-344.76
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-84.77	175.46	-354.66
Door County, WI	Ozone	Former Subpart 1	50	-	5.52	8.76	4.57
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	4.57	7.24	3.78
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	3.76	5.97	3.12
Duluth, MN	CO	Maintenance	100	-	10.00	15.86	8.28
Eagle River, AK	PM ₁₀	Moderate	100	-	1.41	2.24	1.17
East Chicago, IN	CO	Maintenance	100	-	0.12	0.19	0.10
East Chicago, IN	PM ₁₀	Maintenance	100	-	-3,164.25	-3,624.73	-3,900.42
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.14	0.22	0.12
El Paso County, TX	PM ₁₀	Moderate	100	-	-259.00	-266.69	-346.78
El Paso, TX	CO	Maintenance	100	-	4.11	6.56	3.37
Erie, PA	Ozone	Maintenance	100	-	28.98	45.97	24.01

Table B2-8
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Nitrogen Oxide (NO_x) 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.26	0.41	0.21
Eugene-Springfield, OR	CO	Maintenance	100	-	33.69	53.43	27.90
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	32.37	51.34	26.81
Evansville, IN	Ozone	Maintenance	100	-	34.05	54.00	28.20
Evansville, IN	PM _{2.5}	Nonattainment	100	-	42.97	68.16	35.59
Fairbanks, AK	CO	Maintenance	100	-	2.75	4.36	2.28
Fayetteville, NC	Ozone	Former Subpart 1	50	-	40.78	64.68	33.77
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	1.17	1.85	0.97
Flint, MI	Ozone	Maintenance	100	-	67.90	107.71	56.24
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.09	0.14	0.07
Fort Collins, CO	CO	Maintenance	100	-	28.58	45.33	23.67
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.07	0.12	0.06
Fort Wayne, IN	Ozone	Maintenance	100	-	50.63	80.30	41.93
Franklin County, PA	Ozone	Maintenance	100	-	22.00	34.89	18.22
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.09	0.15	0.08
Frederick County, VA	Ozone	Former Subpart 1	50	-	18.26	28.96	15.12
Fredericksburg, VA	Ozone	Maintenance	100	-	68.55	108.73	56.78
Freehold, NJ	CO	Maintenance	100	-	3.17	5.03	2.62
Fresno, CA	CO	Maintenance	100	-	90.01	143.53	73.85
Grand Rapids, MI	Ozone	Maintenance	100	-	121.20	192.25	100.39
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	4.64	7.39	3.83
Grant County, NM	SO _x	Maintenance	100	-	0.30	0.47	0.25
Grants Pass, OR	CO	Maintenance	100	-	0.07	0.12	0.06
Grants Pass, OR	PM ₁₀	Maintenance	100	-	5.39	8.55	4.47
Great Falls, MT	CO	Maintenance	100	-	2.09	3.31	1.73
Greater Connecticut, CT	Ozone	Moderate	50	-	213.54	339.60	176.05
Greeley, CO	CO	Maintenance	100	-	18.68	29.64	15.48
Green Bay, WI	SO _x	Maintenance	100	-	17.36	27.54	14.38
Greene County, IN	Ozone	Maintenance	100	-	6.68	10.60	5.54
Greene County, PA	Ozone	Maintenance	100	-	5.83	9.24	4.83
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	216.06	343.81	177.93
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	103.57	165.39	84.76
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	112.84	180.19	92.35
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	3.02	4.79	2.50
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	16.02	25.41	13.27
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	125.04	198.90	103.05
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	115.10	183.13	94.81
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	133.78	213.08	109.98
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	1.63	2.58	1.35
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	6.49	10.30	5.38
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.69	1.09	0.57
Hazelwood, PA	SO _x	Maintenance	100	-	5.27	8.48	4.26
Hickory, NC	PM _{2.5}	Nonattainment	100	-	22.16	35.15	18.36
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	37.95	60.20	31.44
Hollis Township, IL	SO _x	Maintenance	100	-	0.24	0.40	0.18
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-7,482.42	-8,235.72	-9,531.26
Humphreys County, TN	SO _x	Maintenance	100	-	0.38	0.60	0.32
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-1,716.39	-1,955.96	-2,125.09

Table B2-8
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Nitrogen Oxide (NO_x) 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-1,735.01	-1,985.49	-2,140.51
Huron County, MI	Ozone	Maintenance	100	-	3.59	5.69	2.97
Imperial County, CA	Ozone	Moderate	50	-	36.30	57.58	30.07
Imperial Valley, CA	PM ₁₀	Serious	70	-	35.57	56.42	29.46
Indian Wells, CA	PM ₁₀	Maintenance	100	-	4.24	6.72	3.51
Indianapolis, IN	CO	Maintenance	100	-	0.10	0.15	0.08
Indianapolis, IN	Ozone	Maintenance	100	-	293.83	466.05	243.37
Indianapolis, IN	PM _{2,5}	Nonattainment	100	-	233.86	370.93	193.70
Jackson County, IN	Ozone	Maintenance	100	-	10.45	16.58	8.66
Jamestown, NY	Ozone	Former Subpart 1	50	-	20.45	32.43	16.94
Jefferson County, NY	Ozone	Moderate	50	-	16.64	26.40	13.78
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.79	1.26	0.66
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	27.77	44.05	23.00
Johnstown, PA	Ozone	Maintenance	100	-	10.16	16.12	8.42
Johnstown, PA	PM _{2,5}	Nonattainment	100	-	11.19	17.75	9.27
Juneau, AK	PM ₁₀	Moderate	100	-	1.93	3.06	1.60
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	66.71	105.82	55.26
Kalispell, MT	PM ₁₀	Moderate	100	-	4.70	7.46	3.90
Kansas City, MO-KS	Ozone	Maintenance	100	-	236.97	379.73	192.73
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	21.37	33.90	17.70
Kent, WA	PM ₁₀	Maintenance	100	-	4.10	6.51	3.40
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	11.09	17.59	9.18
Kewaunee County, WI	Ozone	Maintenance	100	-	3.18	5.04	2.63
King County, WA	PM ₁₀	Maintenance	100	-	1.57	2.50	1.30
Klamath Falls, OR	CO	Maintenance	100	-	6.37	10.10	5.27
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	6.37	10.10	5.27
Knoxville, TN	Ozone	Former Subpart 1	50	-	185.39	294.05	153.56
Knoxville, TN	PM _{2,5}	Nonattainment	100	-	139.79	221.72	115.78
La Porte County, IN	SO _x	Maintenance	100	-	4.17	6.62	3.46
LaGrande, OR	PM ₁₀	Maintenance	100	-	2.04	3.23	1.69
Lake County, IN	SO _x	Maintenance	100	-	36.03	57.76	29.29
Lake County, OH	SO _x	Maintenance	100	-	4.65	7.38	3.86
Lake County, OR	PM ₁₀	Maintenance	100	-	0.75	1.20	0.62
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	5.87	9.32	4.87
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	13.37	21.21	11.08
Lake Tahoe, NV	CO	Maintenance	100	-	2.69	4.27	2.23
Lamar, CO	PM ₁₀	Maintenance	100	-	1.15	1.82	0.95
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.16	0.25	0.13
Lancaster, PA	Ozone	Maintenance	100	-	62.88	100.24	51.63
Lancaster, PA	PM _{2,5}	Nonattainment	100	-	62.88	100.24	51.63
Lane County, OR	PM ₁₀	Moderate	100	-	0.15	0.24	0.12
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	65.37	103.69	54.15
LaPorte, IN	Ozone	Maintenance	100	-	11.58	18.36	9.59
Las Vegas, NV	CO	Serious	100	-	252.13	399.91	208.83
Las Vegas, NV	Ozone	Former Subpart 1	50	-	254.74	404.05	211.00
Lauderdale County, AL	SO _x	Maintenance	100	-	10.91	17.30	9.03
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.23	0.36	0.19
Libby, MT	PM ₁₀	Moderate	100	-	0.51	0.81	0.42
Libby, MT	PM _{2,5}	Nonattainment	100	-	0.68	1.08	0.57

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Nitrogen Oxide (NO_x) 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	1.34	2.15	1.08
Lima, OH	Ozone	Maintenance	100	-	-1,507.99	-1,726.79	-1,859.42
Longmont, CO	CO	Maintenance	100	-	15.21	24.12	12.60
Lorain County, OH	SO _x	Maintenance	100	-	6.34	10.06	5.25
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	217.42	1,263.43	-662.99
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	217.42	1,263.43	-662.99
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	217.42	1,263.43	-662.99
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	217.43	1,263.45	-662.97
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	217.32	1,263.27	-663.07
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	107.03	169.76	88.65
Louisville, KY-IN	Ozone	Maintenance	100	-	148.55	235.62	123.04
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	141.24	224.03	116.99
Lowell, MA	CO	Maintenance	100	-	17.19	27.26	14.24
Lucas County, OH	SO _x	Maintenance	100	-	36.23	57.46	30.01
Lyons Township, IL	PM ₁₀	Maintenance	100	-	7.55	11.99	6.24
Macon, GA	Ozone	Maintenance	100	-	24.84	39.40	20.57
Macon, GA	PM _{2.5}	Nonattainment	100	-	24.51	38.88	20.30
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.34	0.54	0.28
Madison, WI	SO _x	Maintenance	100	-	39.86	63.22	33.02
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	2.08	3.31	1.73
Manchester, NH	CO	Maintenance	100	-	8.86	14.06	7.34
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	12.93	20.51	10.71
Marion County, IN	SO _x	Maintenance	100	-	38.77	61.50	32.11
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	20.27	32.15	16.79
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	44.11	69.96	36.53
Mason County, MI	Ozone	Maintenance	100	-	3.73	5.92	3.09
Medford, OR	CO	Maintenance	100	-	13.07	20.74	10.83
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	31.54	50.03	26.13
Memphis, TN-AR	Ozone	Maintenance	100	-	-290.26	-279.29	-406.62
Memphis, TN	CO	Maintenance	100	-	-299.24	-293.54	-414.06
Miami (Gila County), AZ	SO _x	Maintenance	100	-	4.79	7.59	3.96
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.55	0.89	0.45
Milwaukee, WI	SO _x	Maintenance	100	-	67.09	106.41	55.57
Milwaukee-Racine, WI	Ozone	Moderate	50	-	250.26	396.95	207.29
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-1,012.95	-979.90	-1,414.24
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	400.69	639.17	328.55
Missoula, MT	CO	Maintenance	100	-	5.23	9.89	2.87
Missoula, MT	PM ₁₀	Moderate	100	-	5.06	9.57	2.78
Modesto, CA	CO	Maintenance	100	-	52.98	84.04	43.88
Mohave County, AZ	PM ₁₀	Maintenance	100	-	18.34	29.08	15.19
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.26	0.41	0.22
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.42	0.67	0.35
Morristown, NJ	CO	Maintenance	100	-	5.62	8.91	4.65
Muhlenberg County, KY	SO _x	Maintenance	100	-	3.54	5.61	2.93
Muncie, IN	Ozone	Maintenance	100	-	12.86	20.40	10.65
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.81	1.28	0.67
Muscatine County, IA	SO _x	Maintenance	100	-	2.17	3.44	1.80
Muskegon, MI	Ozone	Maintenance	100	-	17.89	28.45	14.75
Nashua, NH	CO	Maintenance	100	-	7.24	11.48	6.00

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Nashville, TN	Ozone	Former Subpart 1	50	-	241.94	384.92	199.31
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	27.89	44.24	23.10
New Haven County, CT	PM ₁₀	Maintenance	100	-	22.65	35.92	18.76
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	101.28	160.64	83.89
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.75	1.19	0.62
New York County, NY	PM ₁₀	Moderate	100	-	54.55	86.52	45.18
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	208.23	693.23	-160.66
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	842.21	1,856.89	219.36
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	823.43	1,827.11	203.81
Nogales, AZ	PM ₁₀	Moderate	100	-	5.98	9.49	4.96
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-731.90	-748.20	-984.98
Ogden, UT	CO	Maintenance	100	-	9.13	14.48	7.56
Ogden, UT	PM ₁₀	Moderate	100	-	9.13	14.48	7.56
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.23	0.37	0.19
Olmsted County, MN	PM ₁₀	Maintenance	100	-	2.41	3.83	2.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	17.12	27.15	14.18
Owens Valley, CA	PM ₁₀	Serious	70	-	0.81	1.29	0.67
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.03	0.05	0.03
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	18.42	29.22	15.26
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	18.54	29.41	15.34
Payson, AZ	PM ₁₀	Maintenance	100	-	2.99	4.74	2.47
Penns Grove, NJ	CO	Maintenance	100	-	0.06	0.10	0.05
Peoria, IL	SO _x	Maintenance	100	-	10.40	17.38	7.81
Perth Amboy, NJ	CO	Maintenance	100	-	-342.87	-387.93	-427.07
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	45.42	72.05	37.62
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-2,475.92	-2,587.07	-3,280.64
Philidelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-2,192.88	-2,136.31	-3,047.88
Phoenix, AZ	CO	Maintenance	100	-	896.01	1,422.72	740.74
Phoenix, AZ	PM ₁₀	Serious	70	-	918.85	1,458.96	759.64
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	921.09	1,462.51	761.49
Pierce County, WA	PM ₁₀	Maintenance	100	-	1.25	1.98	1.03
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.12	0.18	0.10
Pittsburgh, PA	CO	Maintenance	100	-	4.22	6.79	3.41
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	251.52	401.09	206.36
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	229.22	365.71	187.88
Polk County, TN	SO _x	Maintenance	100	-	2.76	4.38	2.29
Polson, MT	PM ₁₀	Moderate	100	-	0.50	0.80	0.42
Portland, ME	Ozone	Maintenance	100	-	70.61	115.01	55.72
Portland, OR	CO	Maintenance	100	-	151.19	242.17	123.07
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	5.64	8.95	4.67
Poughkeepsie, NY	Ozone	Moderate	50	-	220.18	349.23	182.37
Presque Isle, ME	PM ₁₀	Maintenance	100	-	1.09	1.73	0.90
Providence (entire State), RI	Ozone	Moderate	50	-	132.36	213.88	106.01
Provo, UT	CO	Maintenance	100	-	26.31	41.73	21.79
Raleigh-Durham, NC	CO	Maintenance	100	-	202.38	321.62	167.05

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	274.87	436.61	227.09
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.19	0.31	0.14
Reading, PA	Ozone	Maintenance	100	-	44.82	71.09	37.12
Reading, PA	PM _{2.5}	Nonattainment	100	-	44.82	71.09	37.12
Reno, NV	CO	Maintenance	100	-	33.83	53.66	28.02
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.20	0.32	0.17
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	162.06	259.32	132.15
Rillito, AZ	PM ₁₀	Moderate	100	-	8.42	13.35	6.97
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	115.37	182.99	95.56
Roanoke, VA	Ozone	Former Subpart 1	50	-	33.72	53.48	27.93
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	11.67	18.52	9.67
Rochester, NY	Ozone	Former Subpart 1	50	-	180.81	286.78	149.76
Rocky Mount, NC	Ozone	Maintenance	100	-	23.67	37.54	19.60
Rome, GA	PM _{2.5}	Nonattainment	100	-	15.92	25.25	13.19
Ronan, MT	PM ₁₀	Moderate	100	-	0.19	0.30	0.16
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.31	0.50	0.26
Sacramento County, CA	PM ₁₀	Moderate	100	-	259.51	411.62	214.95
Sacramento Metro, CA	Ozone	Severe	25	-	476.58	758.08	392.76
Sacramento, CA	CO	Maintenance	100	-	291.50	462.61	241.21
Salem, OR	CO	Maintenance	100	-	17.22	27.31	14.26
Salt Lake City, UT	CO	Maintenance	100	-	-139.63	-146.82	-184.16
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-21.70	40.23	-86.48
Salt Lake County, UT	SO _x	Nonattainment	100	-	149.12	236.52	123.51
San Antonio, TX	Ozone	Former Subpart 1	50	-	265.41	425.67	215.53
San Bernardino County, CA	PM ₁₀	Moderate	100	-	65.04	103.16	53.87
San Diego, CA	CO	Maintenance	100	-	692.65	1,099.50	572.91
San Diego, CA	Ozone	Former Subpart 1	50	-	694.02	1,101.67	574.04
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-3,373.25	-3,440.20	-4,547.17
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-3,251.87	-3,247.66	-4,446.63
San Joaquin Valley, CA	Ozone	Extreme	10	-	685.47	1,127.06	531.21
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	687.17	1,129.75	532.61
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	685.47	1,127.06	531.21
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	5.47	8.68	4.53
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.09	0.15	0.08
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	90.41	143.41	74.89
Seattle-Tacoma, WA	CO	Maintenance	100	-	449.04	712.23	371.93
Sheboygan, WI	Ozone	Moderate	50	-	17.15	27.20	14.20
Sheridan, WY	PM ₁₀	Moderate	100	-	2.85	4.52	2.36
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	2.53	4.01	2.10
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	58.49	93.93	47.38
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	16.27	25.84	13.45
Spokane County, WA	PM ₁₀	Maintenance	100	-	44.22	70.14	36.63
Spokane, WA	CO	Maintenance	100	-	43.70	69.31	36.20
Springfield (western MA), MA	Ozone	Moderate	50	-	116.99	187.16	95.43
Springfield, MA	CO	Maintenance	100	-	19.62	31.82	15.61
St Louis, MO	CO	Maintenance	100	-	99.92	158.49	82.76
St Louis, MO-IL	Ozone	Moderate	50	-	-2,086.79	-2,233.73	-2,716.14

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-2,089.28	-2,237.68	-2,718.21
State College, PA	Ozone	Maintenance	100	-	25.79	40.91	21.36
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	3.38	5.36	2.80
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	4.92	7.81	4.08
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-78.55	-85.44	-100.98
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-78.55	-85.44	-100.98
Stockton, CA	CO	Maintenance	100	-	82.31	130.56	68.18
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	65.51	103.90	54.26
Telluride, CO	PM ₁₀	Maintenance	100	-	0.32	0.52	0.27
Terre Haute, IN	Ozone	Maintenance	100	-	14.95	23.72	12.39
Tioga County, PA	Ozone	Maintenance	100	-	6.80	10.79	5.64
Toledo, OH	Ozone	Maintenance	100	-	-1,398.81	-1,577.04	-1,747.50
Toms River, NJ	CO	Maintenance	100	-	16.45	26.09	13.62
Tooele County, UT	SO _x	Nonattainment	100	-	14.66	23.26	12.14
Trenton, NJ	CO	Maintenance	100	-	12.53	19.87	10.38
Trona, CA	PM ₁₀	Moderate	100	-	0.54	0.86	0.45
Tucson, AZ	CO	Maintenance	100	-	153.81	243.96	127.40
Utah County, UT	PM ₁₀	Moderate	100	-	75.09	119.10	62.19
Vancouver, WA	CO	Maintenance	100	-	51.21	81.23	42.42
Ventura County, CA	Ozone	Serious	50	-	138.10	220.86	112.73
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.84	1.34	0.70
Vigo County, IN	SO _x	Maintenance	100	-	14.95	23.72	12.39
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	7.57	12.00	6.27
Warren County, NJ	SO _x	Maintenance	100	-	5.07	8.04	4.20
Warren County, PA	SO _x	Nonattainment	100	-	0.62	1.43	0.11
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	28.27	44.85	23.42
Washington, DC-MD-VA	CO	Maintenance	100	-	229.27	363.66	189.90
Washington, DC-MD-VA	Ozone	Moderate	50	-	821.58	1,303.13	680.50
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	802.55	1,272.94	664.73
Washoe County, NV	PM ₁₀	Serious	70	-	33.83	53.66	28.02
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.52	0.83	0.43
Wayne County, IN	SO _x	Maintenance	100	-	8.00	12.68	6.62
Wayne County, MI	PM ₁₀	Maintenance	100	-	-384.83	-434.79	-479.92
Weirton, WV	PM ₁₀	Maintenance	100	-	0.83	1.32	0.69
Weirton, WV	SO _x	Maintenance	100	-	1.17	1.86	0.97
Wheeling, WV-OH	Ozone	Maintenance	100	-	16.71	26.50	13.84
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	16.71	26.50	13.84
Winston-Salem, NC	CO	Maintenance	100	-	57.57	91.31	47.68
Worcester, MA	CO	Maintenance	100	-	34.26	54.34	28.37
Yakima County, WA	PM ₁₀	Maintenance	100	-	13.22	20.97	10.95
Yakima, WA	CO	Maintenance	100	-	6.52	10.35	5.40
York, PA	Ozone	Maintenance	100	-	65.10	103.25	53.92
York, PA	PM _{2.5}	Nonattainment	100	-	50.35	79.87	41.71
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	75.05	119.04	62.16
Yuma, AZ	PM ₁₀	Moderate	100	-	29.91	47.45	24.78

a/ Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.
b/ Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

**Table B2-8
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Nitrogen Oxide (NO_x) 2060**

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks

c/ Emissions thresholds in tons/year of: VOC or NO_x in ozone NAAs; primary PM_{2.5} in PM_{2.5} NAAs. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the proposed actions. Source: EPA, 2008.

Table B2-9
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Particulate Matter 2.5 (PM_{2.5}) 2021

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.37	0.42	-0.21
Albuquerque, NM	CO	Maintenance	100	-	0.17	0.20	-0.10
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.04	0.05	-0.02
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.17	0.20	-0.10
Altoona, PA	Ozone	Maintenance	100	-	0.03	0.03	-0.02
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.04	0.05	-0.02
Anchorage, AK	CO	Maintenance	100	-	0.04	0.05	-0.02
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Atlanta, GA	Ozone	Moderate	50	-	1.91	2.19	-1.07
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	1.91	2.19	-1.07
Atlantic City, NJ	CO	Maintenance	100	-	0.02	0.02	-0.01
Bakersfield, CA	CO	Maintenance	100	-	-0.09	-0.16	-0.62
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	-0.00
Baltimore, MD	Ozone	Moderate	50	-	0.86	0.98	-0.48
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.86	0.98	-0.48
Baton Rouge, LA	Ozone	Moderate	50	-	-12.69	-17.83	-32.76
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-40.97	-57.41	-104.04
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.05	0.06	-0.03
Benzie County, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.00
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.04	0.05	-0.02
Billings, MT	CO	Maintenance	100	-	-6.81	-9.54	-17.29
Birmingham, AL	Ozone	Maintenance	100	-	-0.31	-0.51	-1.71
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-0.31	-0.51	-1.71
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.09	0.11	-0.05
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.09	0.11	-0.05
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.01	-0.00
Boston, MA	CO	Maintenance	100	-	0.25	0.29	-0.14
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	1.48	1.70	-0.82
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.19	0.21	-0.10
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.34	0.39	-0.19
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.00
Canton-Massillon, OH	Ozone	Maintenance	100	-	-1.01	-1.44	-2.82
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-1.01	-1.44	-2.82
Case County, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.01
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Charleston, WV	Ozone	Maintenance	100	-	0.08	0.09	-0.05
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.08	0.09	-0.05
Charlotte, NC	CO	Maintenance	100	-	0.21	0.24	-0.12

Table B2-9
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Particulate Matter 2.5 (PM_{2.5}) 2021

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.47	0.54	-0.26
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.16	0.18	-0.09
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.14	0.16	-0.08
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-17.09	-24.45	-49.52
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-17.02	-24.37	-49.56
Chico, CA	CO	Maintenance	100	-	0.03	0.03	-0.02
Chico, CA	Ozone	Former Subpart 1	50	-	0.07	0.08	-0.04
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.57	0.65	-0.32
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.55	0.64	-0.31
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.42	0.48	-0.23
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.07	0.09	-0.04
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.05	0.06	-0.03
Cleveland, OH	CO	Maintenance	100	-	0.28	0.32	-0.16
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.75	0.87	-0.42
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.70	0.80	-0.39
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.18	0.20	-0.10
Colbert County, AL	SO _x	Maintenance	100	-	0.02	0.02	-0.01
Colorado Springs, CO	CO	Maintenance	100	-	0.17	0.19	-0.09
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.19	0.22	-0.11
Columbus, OH	Ozone	Maintenance	100	-	0.48	0.55	-0.27
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.44	0.51	-0.25
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.28	0.32	-0.16
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.23	0.26	-0.13
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	1.97	2.26	-1.10
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.25	0.28	-0.14
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.22	0.25	-0.12
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-7.53	-10.75	-21.66
Denver-Boulder, CO	CO	Maintenance	100	-	-7.56	-10.80	-21.64
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-7.35	-10.56	-21.76
Detroit, MI	CO	Maintenance	100	-	-6.02	-8.54	-16.69
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-7.10	-10.29	-22.12
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-7.13	-10.32	-22.11
Door County, WI	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.01
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.01
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.01	0.01	-0.00
Duluth, MN	CO	Maintenance	100	-	0.02	0.03	-0.01
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	-15.06	-21.11	-38.31
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	-4.44	-6.25	-11.66
El Paso, TX	CO	Maintenance	100	-	0.01	0.01	-0.01
Erie, PA	Ozone	Maintenance	100	-	0.07	0.08	-0.04

Table B2-9
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Particulate Matter 2.5 (PM_{2.5}) 2021

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.07	0.08	-0.04
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.06	0.07	-0.04
Evansville, IN	Ozone	Maintenance	100	-	0.07	0.08	-0.04
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.10	0.11	-0.05
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.01	-0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.09	0.10	-0.05
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Flint, MI	Ozone	Maintenance	100	-	0.15	0.17	-0.08
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	0.05	0.06	-0.03
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.11	0.12	-0.06
Franklin County, PA	Ozone	Maintenance	100	-	0.04	0.05	-0.02
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.04	0.04	-0.02
Fredericksburg, VA	Ozone	Maintenance	100	-	0.12	0.13	-0.06
Freehold, NJ	CO	Maintenance	100	-	0.00	0.01	-0.00
Fresno, CA	CO	Maintenance	100	-	0.17	0.19	-0.09
Grand Rapids, MI	Ozone	Maintenance	100	-	0.23	0.27	-0.13
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.01
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.01
Great Falls, MT	CO	Maintenance	100	-	0.01	0.01	-0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	0.48	0.55	-0.27
Greeley, CO	CO	Maintenance	100	-	0.04	0.04	-0.02
Green Bay, WI	SO _x	Maintenance	100	-	0.04	0.04	-0.02
Greene County, IN	Ozone	Maintenance	100	-	0.01	0.02	-0.01
Greene County, PA	Ozone	Maintenance	100	-	0.01	0.02	-0.01
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.47	0.54	-0.26
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.23	0.27	-0.13
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.26	0.30	-0.15
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.01	0.01	-0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.03	0.04	-0.02
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.25	0.28	-0.14
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.23	0.26	-0.13
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.31	0.36	-0.17
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.01
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.01	0.01	-0.01
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.05	0.06	-0.03
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.09	0.10	-0.05
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-61.11	-86.00	-159.64
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-8.19	-11.49	-21.00

Table B2-9
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Particulate Matter 2.5 (PM_{2.5}) 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-8.23	-11.54	-20.97
Huron County, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.00
Imperial County, CA	Ozone	Moderate	50	-	0.06	0.07	-0.03
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.06	0.07	-0.03
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.01
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.57	0.66	-0.32
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.46	0.52	-0.25
Jackson County, IN	Ozone	Maintenance	100	-	0.02	0.03	-0.01
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.05	0.05	-0.03
Jefferson County, NY	Ozone	Moderate	50	-	0.04	0.04	-0.02
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.06	0.07	-0.04
Johnstown, PA	Ozone	Maintenance	100	-	0.03	0.04	-0.02
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.04	-0.02
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.15	0.17	-0.08
Kalispell, MT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.00
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.48	0.55	-0.27
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.04	0.05	-0.02
Kent, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.00
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.02	0.03	-0.01
Kewaunee County, WI	Ozone	Maintenance	100	-	0.01	0.01	-0.00
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.01	0.02	-0.01
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.01	0.02	-0.01
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.34	0.39	-0.19
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.26	0.30	-0.15
La Porte County, IN	SO _x	Maintenance	100	-	0.01	0.01	-0.01
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.00
Lake County, IN	SO _x	Maintenance	100	-	0.09	0.10	-0.05
Lake County, OH	SO _x	Maintenance	100	-	0.01	0.01	-0.01
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.01	0.01	-0.00
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.02	0.02	-0.01
Lake Tahoe, NV	CO	Maintenance	100	-	0.01	0.01	-0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.13	0.15	-0.07
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.13	0.15	-0.07
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.14	0.16	-0.08
LaPorte, IN	Ozone	Maintenance	100	-	0.03	0.03	-0.02
Las Vegas, NV	CO	Serious	100	-	0.42	0.48	-0.23
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.43	0.49	-0.24
Lauderdale County, AL	SO _x	Maintenance	100	-	0.03	0.03	-0.01
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00

Table B2-9
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Particulate Matter 2.5 (PM_{2.5}) 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Lima, OH	Ozone	Maintenance	100	-	-10.48	-14.68	-26.61
Longmont, CO	CO	Maintenance	100	-	0.03	0.03	-0.01
Lorain County, OH	SO _x	Maintenance	100	-	0.01	0.02	-0.01
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-25.42	-36.71	-77.77
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	-25.42	-36.71	-77.77
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-25.42	-36.71	-77.77
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-25.42	-36.71	-77.77
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-25.42	-36.71	-77.77
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.20	0.23	-0.11
Louisville, KY-IN	Ozone	Maintenance	100	-	0.33	0.38	-0.18
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.32	0.37	-0.18
Lowell, MA	CO	Maintenance	100	-	0.03	0.04	-0.02
Lucas County, OH	SO _x	Maintenance	100	-	0.09	0.10	-0.05
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.02
Macon, GA	Ozone	Maintenance	100	-	0.06	0.07	-0.03
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.06	0.07	-0.03
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Madison, WI	SO _x	Maintenance	100	-	0.07	0.08	-0.04
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Manchester, NH	CO	Maintenance	100	-	0.02	0.03	-0.01
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.03	0.03	-0.02
Marion County, IN	SO _x	Maintenance	100	-	0.09	0.11	-0.05
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.03	0.04	-0.02
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.09	0.11	-0.05
Mason County, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.00
Medford, OR	CO	Maintenance	100	-	0.02	0.03	-0.01
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.05	0.06	-0.03
Memphis, TN-AR	Ozone	Maintenance	100	-	-2.95	-4.20	-8.37
Memphis, TN	CO	Maintenance	100	-	-2.97	-4.23	-8.35
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.01	0.01	-0.00
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.16	0.18	-0.09
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.51	0.59	-0.29
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.83	0.95	-0.46
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.80	0.92	-0.45
Missoula, MT	CO	Maintenance	100	-	0.02	0.02	-0.01
Missoula, MT	PM ₁₀	Moderate	100	-	0.02	0.02	-0.01
Modesto, CA	CO	Maintenance	100	-	0.09	0.10	-0.05
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.03	0.03	-0.02
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Morristown, NJ	CO	Maintenance	100	-	0.01	0.01	-0.01
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.01	0.01	-0.00
Muncie, IN	Ozone	Maintenance	100	-	0.03	0.04	-0.02
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.01	-0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.04	0.04	-0.02
Nashua, NH	CO	Maintenance	100	-	0.02	0.02	-0.01

Table B2-9
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Particulate Matter 2.5 (PM_{2.5}) 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Nashville, TN	Ozone	Former Subpart 1	50	-	0.47	0.54	-0.26
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.04	0.04	-0.02
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.04	0.05	-0.02
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.23	0.26	-0.13
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.14	0.16	-0.08
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-1.10	-2.12	-9.83
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-0.35	-1.58	-14.20
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-0.38	-1.62	-14.18
Nogales, AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.01
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-11.25	-15.88	-29.89
Ogden, UT	CO	Maintenance	100	-	0.02	0.02	-0.01
Ogden, UT	PM ₁₀	Moderate	100	-	0.02	0.02	-0.01
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.03	0.03	-0.02
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.04	0.05	-0.02
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.04	0.05	-0.02
Payson, AZ	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.00
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.03	0.03	-0.02
Perth Amboy, NJ	CO	Maintenance	100	-	-1.23	-1.73	-3.19
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.12	0.13	-0.06
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-16.86	-23.94	-46.66
Philidelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-16.30	-23.32	-47.13
Phoenix, AZ	CO	Maintenance	100	-	1.26	1.45	-0.73
Phoenix, AZ	PM ₁₀	Serious	70	-	1.30	1.49	-0.75
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	1.31	1.50	-0.75
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.01	0.01	-0.00
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.58	0.67	-0.34
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.53	0.61	-0.31
Polk County, TN	SO _x	Maintenance	100	-	0.01	0.01	-0.00
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Portland, ME	Ozone	Maintenance	100	-	0.16	0.19	-0.09
Portland, OR	CO	Maintenance	100	-	0.27	0.29	-0.36
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.01
Poughkeepsie, NY	Ozone	Moderate	50	-	0.38	0.44	-0.21
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.28	0.32	-0.16
Provo, UT	CO	Maintenance	100	-	0.05	0.05	-0.03
Raleigh-Durham, NC	CO	Maintenance	100	-	0.37	0.42	-0.21

Table B2-9
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Particulate Matter 2.5 (PM_{2.5}) 2021

Nonattainment Area	Pollutant	Status b/	General Conformity Threshold c/	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.50	0.58	-0.28
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Reading, PA	Ozone	Maintenance	100	-	0.10	0.11	-0.05
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.10	0.11	-0.05
Reno, NV	CO	Maintenance	100	-	0.07	0.08	-0.04
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.34	0.38	-0.24
Rillito, AZ	PM ₁₀	Moderate	100	-	0.01	0.02	-0.01
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.18	0.20	-0.10
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.08	0.09	-0.04
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.02	0.03	-0.01
Rochester, NY	Ozone	Former Subpart 1	50	-	0.39	0.45	-0.22
Rocky Mount, NC	Ozone	Maintenance	100	-	0.05	0.06	-0.03
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.04	0.04	-0.02
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.41	0.47	-0.23
Sacramento Metro, CA	Ozone	Severe	25	-	0.74	0.85	-0.41
Sacramento, CA	CO	Maintenance	100	-	0.46	0.53	-0.26
Salem, OR	CO	Maintenance	100	-	0.04	0.04	-0.02
Salt Lake City, UT	CO	Maintenance	100	-	-2.87	-4.03	-7.44
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-2.63	-3.76	-7.57
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.30	0.34	-0.17
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.53	0.61	-0.30
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.12	0.14	-0.07
San Diego, CA	CO	Maintenance	100	-	1.16	1.33	-0.65
San Diego, CA	Ozone	Former Subpart 1	50	-	1.16	1.33	-0.65
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-22.38	-31.80	-62.24
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-22.14	-31.52	-62.38
San Joaquin Valley, CA	Ozone	Extreme	10	-	1.04	1.14	-1.26
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	1.05	1.15	-1.26
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	1.04	1.14	-1.26
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.01	0.01	-0.01
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.19	0.22	-0.11
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.85	0.98	-0.48
Sheboygan, WI	Ozone	Moderate	50	-	0.03	0.04	-0.02
Sheridan, WY	PM ₁₀	Moderate	100	-	0.01	0.01	-0.00
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.01	0.01	-0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.13	0.15	-0.07
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.04	0.05	-0.05
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.08	0.10	-0.05
Spokane, WA	CO	Maintenance	100	-	0.08	0.10	-0.05
Springfield (western MA), MA	Ozone	Moderate	50	-	0.26	0.30	-0.14
Springfield, MA	CO	Maintenance	100	-	0.04	0.05	-0.02
St Louis, MO	CO	Maintenance	100	-	0.28	0.32	-0.15
St Louis, MO-IL	Ozone	Moderate	50	-	-46.18	-64.90	-119.56

Table B2-9
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Particulate Matter 2.5 (PM_{2.5}) 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-46.19	-64.91	-119.56
State College, PA	Ozone	Maintenance	100	-	0.05	0.06	-0.03
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.01	0.01	-0.01
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.05	-0.08	-0.22
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.05	-0.08	-0.22
Stockton, CA	CO	Maintenance	100	-	0.13	0.15	-0.07
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.15	0.17	-0.08
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.04	0.05	-0.02
Tioga County, PA	Ozone	Maintenance	100	-	0.02	0.02	-0.01
Toledo, OH	Ozone	Maintenance	100	-	-10.78	-15.14	-27.78
Toms River, NJ	CO	Maintenance	100	-	0.03	0.03	-0.02
Tooele County, UT	SO _x	Nonattainment	100	-	0.03	0.03	-0.02
Trenton, NJ	CO	Maintenance	100	-	0.03	0.03	-0.01
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Tucson, AZ	CO	Maintenance	100	-	0.28	0.32	-0.16
Utah County, UT	PM ₁₀	Moderate	100	-	0.14	0.16	-0.08
Vancouver, WA	CO	Maintenance	100	-	0.09	0.10	-0.05
Ventura County, CA	Ozone	Serious	50	-	0.22	0.25	-0.17
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.04	0.05	-0.02
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.02	0.02	-0.01
Warren County, NJ	SO _x	Maintenance	100	-	0.01	0.01	-0.01
Warren County, PA	SO _x	Nonattainment	100	-	-0.00	-0.01	-0.02
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.06	0.07	-0.03
Washington, DC-MD-VA	CO	Maintenance	100	-	0.45	0.52	-0.25
Washington, DC-MD-VA	Ozone	Moderate	50	-	1.54	1.76	-0.86
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	1.50	1.73	-0.84
Washoe County, NV	PM ₁₀	Serious	70	-	0.07	0.08	-0.04
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.02	0.02	-0.01
Wayne County, MI	PM ₁₀	Maintenance	100	-	-4.95	-6.94	-12.59
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.04	0.05	-0.02
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.04	0.05	-0.02
Winston-Salem, NC	CO	Maintenance	100	-	0.12	0.14	-0.07
Worcester, MA	CO	Maintenance	100	-	0.06	0.07	-0.03
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.03	0.03	-0.01
Yakima, WA	CO	Maintenance	100	-	0.01	0.01	-0.01
York, PA	Ozone	Maintenance	100	-	0.13	0.15	-0.07
York, PA	PM _{2.5}	Nonattainment	100	-	0.10	0.11	-0.06
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.19	0.22	-0.11
Yuma, AZ	PM ₁₀	Moderate	100	-	0.05	0.06	-0.03

a/ Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.
b/ Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

**Table B2-9
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Particulate Matter 2.5 (PM_{2.5}) 2021**

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks

c/ Emissions thresholds in tons/year of: VOC or NO_x in ozone NAAs; primary PM_{2.5} in PM_{2.5} NAAs. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the proposed actions. Source: EPA, 2008.

Table B2-10
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.93	0.60	-3.34
Albuquerque, NM	CO	Maintenance	100	-	0.43	0.28	-1.54
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.11	0.07	-0.38
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.43	0.28	-1.55
Altoona, PA	Ozone	Maintenance	100	-	0.07	0.05	-0.27
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.12	0.08	-0.43
Anchorage, AK	CO	Maintenance	100	-	0.10	0.07	-0.37
Anthony, NM	PM ₁₀	Moderate	100	-	0.01	0.00	-0.02
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.01
Aspen, CO	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.02
Atlanta, GA	Ozone	Moderate	50	-	4.86	3.14	-17.49
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	4.87	3.14	-17.50
Atlantic City, NJ	CO	Maintenance	100	-	0.04	0.02	-0.13
Bakersfield, CA	CO	Maintenance	100	-	-0.20	-0.55	-2.13
Baltimore, MD	CO	Maintenance	100	-	0.01	0.00	-0.03
Baltimore, MD	Ozone	Moderate	50	-	2.17	1.40	-7.81
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	2.17	1.40	-7.81
Baton Rouge, LA	Ozone	Moderate	50	-	-30.11	-44.67	-59.46
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-97.26	-143.17	-184.48
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.13	0.08	-0.47
Benzie County, MI	Ozone	Maintenance	100	-	0.02	0.01	-0.06
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.11	0.07	-0.38
Billings, MT	CO	Maintenance	100	-	-16.16	-23.79	-30.68
Birmingham, AL	Ozone	Maintenance	100	-	-0.71	-1.65	-5.37
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-0.71	-1.65	-5.37
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.24	0.15	-0.85
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.24	0.15	-0.85
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.01	0.01	-0.04
Boston, MA	CO	Maintenance	100	-	0.62	0.40	-2.23
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	3.71	2.39	-13.33
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.47	0.30	-1.70
Boyd County (part), KY	SO _x	Maintenance	100	-	0.01	0.00	-0.03

Table B2-10
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.84	0.54	-3.01
Burlington, NJ	CO	Maintenance	100	-	0.01	0.00	-0.02
Butte, MT	PM ₁₀	Moderate	100	-	0.02	0.01	-0.05
Canon City, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.05
Canton-Massillon, OH	Ozone	Maintenance	100	-	-2.39	-3.69	-5.66
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-2.39	-3.69	-5.66
Case County, MI	Ozone	Maintenance	100	-	0.03	0.02	-0.11
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Charleston, WV	Ozone	Maintenance	100	-	0.20	0.13	-0.72
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.20	0.13	-0.72
Charlotte, NC	CO	Maintenance	100	-	0.53	0.35	-1.92
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	1.20	0.77	-4.30
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.39	0.25	-1.43
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.36	0.23	-1.30
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-40.27	-63.40	-103.81
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-40.09	-63.29	-104.44
Chico, CA	CO	Maintenance	100	-	0.08	0.05	-0.28
Chico, CA	Ozone	Former Subpart 1	50	-	0.18	0.12	-0.65
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	1.43	0.92	-5.15
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	1.39	0.90	-5.00
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.04
Clark County, NV	PM ₁₀	Serious	70	-	1.09	0.70	-3.92
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.19	0.12	-0.68
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.13	0.08	-0.47
Cleveland, OH	CO	Maintenance	100	-	0.68	0.44	-2.44
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	1.87	1.21	-6.72
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	1.72	1.11	-6.19
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.46	0.30	-1.67
Colbert County, AL	SO _x	Maintenance	100	-	0.04	0.03	-0.16
Colorado Springs, CO	CO	Maintenance	100	-	0.43	0.28	-1.54
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Columbia, SC	Ozone	Former Subpart 1	50	-	0.47	0.31	-1.70
Columbus, OH	Ozone	Maintenance	100	-	1.22	0.79	-4.39

Table B2-10
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Columbus, OH	PM _{2.5}	Nonattainment	100	-	1.13	0.73	-4.07
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	-0.01	-0.02
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.68	0.44	-2.44
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.55	0.36	-2.00
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	5.06	3.27	-18.21
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.61	0.39	-2.18
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.54	0.35	-1.93
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-17.71	-27.81	-45.18
Denver-Boulder, CO	CO	Maintenance	100	-	-17.81	-27.87	-44.84
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-17.27	-27.53	-46.78
Detroit, MI	CO	Maintenance	100	-	-14.21	-21.83	-33.04
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-16.69	-27.30	-49.79
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-16.76	-27.34	-49.56
Door County, WI	Ozone	Former Subpart 1	50	-	0.03	0.02	-0.10
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.03	0.02	-0.09
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.02	0.01	-0.07
Duluth, MN	CO	Maintenance	100	-	0.06	0.04	-0.21
Eagle River, AK	PM ₁₀	Moderate	100	-	0.01	0.00	-0.02
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	-35.76	-52.67	-68.06
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	-10.52	-15.74	-21.71
El Paso, TX	CO	Maintenance	100	-	0.02	0.01	-0.08
Erie, PA	Ozone	Maintenance	100	-	0.17	0.11	-0.59
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.17	0.11	-0.60
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.16	0.10	-0.57
Evansville, IN	Ozone	Maintenance	100	-	0.18	0.12	-0.66
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.24	0.15	-0.85
Fairbanks, AK	CO	Maintenance	100	-	0.01	0.01	-0.05
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.21	0.14	-0.77
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.01	0.00	-0.02
Flint, MI	Ozone	Maintenance	100	-	0.38	0.24	-1.35
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	0.13	0.08	-0.46

Table B2-10
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.26	0.17	-0.95
Franklin County, PA	Ozone	Maintenance	100	-	0.11	0.07	-0.40
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.09	0.06	-0.34
Fredericksburg, VA	Ozone	Maintenance	100	-	0.30	0.19	-1.08
Freehold, NJ	CO	Maintenance	100	-	0.01	0.01	-0.05
Fresno, CA	CO	Maintenance	100	-	0.43	0.27	-1.54
Grand Rapids, MI	Ozone	Maintenance	100	-	0.59	0.38	-2.12
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.03	0.02	-0.11
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.09
Great Falls, MT	CO	Maintenance	100	-	0.01	0.01	-0.05
Greater Connecticut, CT	Ozone	Moderate	50	-	1.19	0.77	-4.29
Greeley, CO	CO	Maintenance	100	-	0.09	0.06	-0.32
Green Bay, WI	SO _x	Maintenance	100	-	0.09	0.06	-0.32
Greene County, IN	Ozone	Maintenance	100	-	0.04	0.02	-0.13
Greene County, PA	Ozone	Maintenance	100	-	0.03	0.02	-0.12
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	1.18	0.76	-4.23
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.58	0.38	-2.09
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.65	0.42	-2.34
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.02	0.01	-0.06
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.08	0.05	-0.30
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.62	0.40	-2.23
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.57	0.37	-2.06
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.77	0.50	-2.78
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.01	0.00	-0.03
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.03	0.02	-0.10
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.01
Hazelwood, PA	SO _x	Maintenance	100	-	0.03	0.02	-0.11
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.13	0.08	-0.46
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.21	0.14	-0.76
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-144.84	-216.22	-294.76
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-19.43	-28.74	-37.75

Table B2-10
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
		t					
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-19.53	-28.80	-37.38
Huron County, MI	Ozone	Maintenance	100	-	0.02	0.01	-0.07
Imperial County, CA	Ozone	Moderate	50	-	0.16	0.10	-0.57
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.16	0.10	-0.56
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.09
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	1.45	0.94	-5.23
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	1.15	0.74	-4.15
Jackson County, IN	Ozone	Maintenance	100	-	0.06	0.04	-0.21
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.11	0.07	-0.40
Jefferson County, NY	Ozone	Moderate	50	-	0.09	0.06	-0.32
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.02
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.16	0.10	-0.56
Johnstown, PA	Ozone	Maintenance	100	-	0.07	0.05	-0.26
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.08	0.05	-0.29
Juneau, AK	PM ₁₀	Moderate	100	-	0.01	0.01	-0.03
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.37	0.24	-1.32
Kalispell, MT	PM ₁₀	Moderate	100	-	0.02	0.01	-0.08
Kansas City, MO-KS	Ozone	Maintenance	100	-	1.21	0.78	-4.35
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.10	0.07	-0.37
Kent, WA	PM ₁₀	Maintenance	100	-	0.02	0.01	-0.07
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.06	0.04	-0.22
Kewaunee County, WI	Ozone	Maintenance	100	-	0.02	0.01	-0.06
King County, WA	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.03
Klamath Falls, OR	CO	Maintenance	100	-	0.04	0.02	-0.13
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.04	0.02	-0.13
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.86	0.56	-3.10
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.67	0.43	-2.40
La Porte County, IN	SO _x	Maintenance	100	-	0.03	0.02	-0.09
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.04
Lake County, IN	SO _x	Maintenance	100	-	0.22	0.14	-0.79
Lake County, OH	SO _x	Maintenance	100	-	0.03	0.02	-0.09
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.02	0.01	-0.08
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.05	0.03	-0.16
Lake Tahoe, NV	CO	Maintenance	100	-	0.01	0.01	-0.05

Table B2-10
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Lamar, CO	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.02
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.33	0.21	-1.18
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.33	0.21	-1.18
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.35	0.22	-1.24
LaPorte, IN	Ozone	Maintenance	100	-	0.07	0.05	-0.25
Las Vegas, NV	CO	Serious	100	-	1.09	0.70	-3.92
Las Vegas, NV	Ozone	Former Subpart 1	50	-	1.11	0.72	-3.98
Lauderdale County, AL	SO _x	Maintenance	100	-	0.06	0.04	-0.23
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.02
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.04
Lima, OH	Ozone	Maintenance	100	-	-24.87	-36.61	-47.20
Longmont, CO	CO	Maintenance	100	-	0.07	0.04	-0.24
Lorain County, OH	SO _x	Maintenance	100	-	0.03	0.02	-0.12
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-59.60	-96.72	-172.79
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	-59.60	-96.72	-172.79
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-59.60	-96.72	-172.79
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-59.60	-96.72	-172.79
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-59.60	-96.72	-172.79
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.50	0.32	-1.81
Louisville, KY-IN	Ozone	Maintenance	100	-	0.82	0.53	-2.94
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.79	0.51	-2.85
Lowell, MA	CO	Maintenance	100	-	0.08	0.05	-0.30
Lucas County, OH	SO _x	Maintenance	100	-	0.22	0.14	-0.78
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.04	0.02	-0.18
Macon, GA	Ozone	Maintenance	100	-	0.15	0.10	-0.55
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.15	0.10	-0.54
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	-0.01
Madison, WI	SO _x	Maintenance	100	-	0.18	0.11	-0.64
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.01	0.00	-0.02
Manchester, NH	CO	Maintenance	100	-	0.06	0.04	-0.20
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.07	0.05	-0.26

Table B2-10
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Marion County, IN	SO _x	Maintenance	100	-	0.23	0.15	-0.82
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.08	0.05	-0.29
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.23	0.15	-0.83
Mason County, MI	Ozone	Maintenance	100	-	0.02	0.01	-0.07
Medford, OR	CO	Maintenance	100	-	0.06	0.04	-0.20
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.14	0.09	-0.49
Memphis, TN-AR	Ozone	Maintenance	100	-	-6.97	-10.84	-17.07
Memphis, TN	CO	Maintenance	100	-	-7.03	-10.88	-16.86
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.02	0.01	-0.08
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Milwaukee, WI	SO _x	Maintenance	100	-	0.38	0.25	-1.38
Milwaukee-Racine, WI	Ozone	Moderate	50	-	1.29	0.83	-4.64
Minneapolis-St Paul, MN	CO	Maintenance	100	-	2.09	1.35	-7.52
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	2.03	1.31	-7.31
Missoula, MT	CO	Maintenance	100	-	0.04	0.03	-0.16
Missoula, MT	PM ₁₀	Moderate	100	-	0.04	0.03	-0.16
Modesto, CA	CO	Maintenance	100	-	0.22	0.14	-0.81
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.08	0.05	-0.27
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Morristown, NJ	CO	Maintenance	100	-	0.02	0.02	-0.09
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.02	0.01	-0.08
Muncie, IN	Ozone	Maintenance	100	-	0.08	0.05	-0.30
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	-0.01
Muscatine County, IA	SO _x	Maintenance	100	-	0.01	0.01	-0.04
Muskegon, MI	Ozone	Maintenance	100	-	0.09	0.06	-0.34
Nashua, NH	CO	Maintenance	100	-	0.04	0.03	-0.16
Nashville, TN	Ozone	Former Subpart 1	50	-	1.19	0.77	-4.27
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.10	0.07	-0.37
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.10	0.07	-0.36
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.57	0.37	-2.05
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	-0.02
New York County, NY	PM ₁₀	Moderate	100	-	0.33	0.21	-1.19
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-2.36	-8.14	-35.50
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-0.29	-9.30	-59.55
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-0.38	-9.36	-59.23
Nogales, AZ	PM ₁₀	Moderate	100	-	0.03	0.02	-0.11

Table B2-10
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-26.66	-40.12	-56.39
Ogden, UT	CO	Maintenance	100	-	0.05	0.03	-0.18
Ogden, UT	PM ₁₀	Moderate	100	-	0.05	0.03	-0.18
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.02	0.01	-0.05
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.08	0.05	-0.28
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.01
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.11	0.07	-0.38
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.11	0.07	-0.38
Payson, AZ	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.05
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.07	0.04	-0.26
Perth Amboy, NJ	CO	Maintenance	100	-	-2.92	-4.34	-5.80
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.28	0.18	-1.02
Phildelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-39.88	-61.26	-92.62
Phildelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-38.49	-60.46	-98.27
Phoenix, AZ	CO	Maintenance	100	-	3.40	2.18	-12.33
Phoenix, AZ	PM ₁₀	Serious	70	-	3.50	2.25	-12.71
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	3.52	2.26	-12.75
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.03
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.02	0.01	-0.06
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	1.44	0.92	-5.24
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	1.32	0.84	-4.79
Polk County, TN	SO _x	Maintenance	100	-	0.02	0.01	-0.05
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Portland, ME	Ozone	Maintenance	100	-	0.41	0.26	-1.47
Portland, OR	CO	Maintenance	100	-	0.68	0.31	-3.32
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.03	0.02	-0.11
Poughkeepsie, NY	Ozone	Moderate	50	-	0.99	0.64	-3.56
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.02
Providence (entire State), RI	Ozone	Moderate	50	-	0.71	0.46	-2.57
Provo, UT	CO	Maintenance	100	-	0.12	0.08	-0.43
Raleigh-Durham, NC	CO	Maintenance	100	-	0.95	0.61	-3.40
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	1.29	0.83	-4.64
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Reading, PA	Ozone	Maintenance	100	-	0.24	0.16	-0.87

Table B2-10
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.24	0.16	-0.87
Reno, NV	CO	Maintenance	100	-	0.18	0.11	-0.64
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.85	0.51	-3.27
Rillito, AZ	PM ₁₀	Moderate	100	-	0.04	0.02	-0.13
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.46	0.30	-1.67
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.19	0.12	-0.68
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.06	0.04	-0.21
Rochester, NY	Ozone	Former Subpart 1	50	-	0.97	0.63	-3.49
Rocky Mount, NC	Ozone	Maintenance	100	-	0.13	0.09	-0.48
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.09	0.06	-0.31
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Sacramento County, CA	PM ₁₀	Moderate	100	-	1.09	0.70	-3.90
Sacramento Metro, CA	Ozone	Severe	25	-	1.95	1.26	-7.02
Sacramento, CA	CO	Maintenance	100	-	1.21	0.78	-4.36
Salem, OR	CO	Maintenance	100	-	0.10	0.06	-0.34
Salt Lake City, UT	CO	Maintenance	100	-	-6.80	-10.11	-13.62
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-6.20	-9.73	-15.75
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.75	0.48	-2.69
San Antonio, TX	Ozone	Former Subpart 1	50	-	1.35	0.87	-4.85
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.31	0.20	-1.12
San Diego, CA	CO	Maintenance	100	-	3.02	1.95	-10.84
San Diego, CA	Ozone	Former Subpart 1	50	-	3.02	1.95	-10.86
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-52.80	-81.42	-124.73
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-52.18	-81.02	-126.96
San Joaquin Valley, CA	Ozone	Extreme	10	-	2.78	1.37	-12.85
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	2.80	1.38	-12.90
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	2.78	1.37	-12.85
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.02	0.02	-0.09
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.49	0.31	-1.74
Seattle-Tacoma, WA	CO	Maintenance	100	-	2.17	1.40	-7.80
Sheboygan, WI	Ozone	Moderate	50	-	0.09	0.06	-0.31
Sheridan, WY	PM ₁₀	Moderate	100	-	0.02	0.01	-0.06
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00

Table B2-10
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Somerville, NJ	CO	Maintenance	100	-	0.01	0.01	-0.05
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.33	0.21	-1.18
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.11	0.05	-0.50
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.22	0.14	-0.77
Spokane, WA	CO	Maintenance	100	-	0.21	0.14	-0.77
Springfield (western MA), MA	Ozone	Moderate	50	-	0.65	0.42	-2.33
Springfield, MA	CO	Maintenance	100	-	0.10	0.07	-0.37
St Louis, MO	CO	Maintenance	100	-	0.66	0.43	-2.39
St Louis, MO-IL	Ozone	Moderate	50	-	-109.57	-162.79	-217.80
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-109.58	-162.80	-217.75
State College, PA	Ozone	Maintenance	100	-	0.12	0.08	-0.45
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.05
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.03	0.02	-0.11
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.12	-0.24	-0.62
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.12	-0.24	-0.62
Stockton, CA	CO	Maintenance	100	-	0.34	0.22	-1.21
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.37	0.24	-1.34
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.10	0.06	-0.34
Tioga County, PA	Ozone	Maintenance	100	-	0.04	0.03	-0.15
Toledo, OH	Ozone	Maintenance	100	-	-25.58	-37.92	-50.28
Toms River, NJ	CO	Maintenance	100	-	0.07	0.05	-0.26
Tooele County, UT	SO _x	Nonattainment	100	-	0.07	0.05	-0.26
Trenton, NJ	CO	Maintenance	100	-	0.06	0.04	-0.23
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Tucson, AZ	CO	Maintenance	100	-	0.72	0.47	-2.59
Utah County, UT	PM ₁₀	Moderate	100	-	0.35	0.23	-1.26
Vancouver, WA	CO	Maintenance	100	-	0.23	0.15	-0.81
Ventura County, CA	Ozone	Serious	50	-	0.58	0.35	-2.26
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.02
Vigo County, IN	SO _x	Maintenance	100	-	0.10	0.06	-0.34
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.04	0.03	-0.15
Warren County, NJ	SO _x	Maintenance	100	-	0.03	0.02	-0.09
Warren County, PA	SO _x	Nonattainment	100	-	-0.01	-0.02	-0.07
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.15	0.10	-0.55
Washington, DC-MD-VA	CO	Maintenance	100	-	1.14	0.73	-4.08

Table B2-10
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	3.92	2.53	-14.08
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	3.83	2.48	-13.79
Washoe County, NV	PM ₁₀	Serious	70	-	0.18	0.11	-0.64
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Wayne County, IN	SO _x	Maintenance	100	-	0.05	0.03	-0.19
Wayne County, MI	PM ₁₀	Maintenance	100	-	-11.76	-17.33	-22.41
Weirton, WV	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.03
Weirton, WV	SO _x	Maintenance	100	-	0.01	0.01	-0.03
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.11	0.07	-0.39
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.11	0.07	-0.39
Winston-Salem, NC	CO	Maintenance	100	-	0.30	0.19	-1.07
Worcester, MA	CO	Maintenance	100	-	0.16	0.10	-0.57
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.07	0.04	-0.24
Yakima, WA	CO	Maintenance	100	-	0.03	0.02	-0.10
York, PA	Ozone	Maintenance	100	-	0.32	0.21	-1.16
York, PA	PM _{2.5}	Nonattainment	100	-	0.25	0.16	-0.90
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.46	0.30	-1.66
Yuma, AZ	PM ₁₀	Moderate	100	-	0.13	0.09	-0.48

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

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

c/ Emissions thresholds in tons/year of: VOC or NO_x in ozone NAAs; primary PM_{2.5} in PM_{2.5} NAAs. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the proposed actions. Source: EPA, 2008.

Table B2-11
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Particulate Matter 2.5 (PM_{2.5}) 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.01	-0.00	-0.03
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.01	-0.00	-0.07
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.01	-0.00	-0.07
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	4.16	-0.19	-21.28
Albuquerque, NM	CO	Maintenance	100	-	1.89	-0.09	-9.68
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.50	-0.02	-2.57
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	1.92	-0.09	-9.82
Altoona, PA	Ozone	Maintenance	100	-	0.30	-0.02	-1.57
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.65	-0.03	-3.35
Anchorage, AK	CO	Maintenance	100	-	0.49	-0.02	-2.51
Anthony, NM	PM ₁₀	Moderate	100	-	0.02	-0.00	-0.12
Armstrong County, PA	SO _x	Nonattainment	100	-	0.02	-0.00	-0.08
Aspen, CO	PM ₁₀	Maintenance	100	-	0.02	-0.00	-0.12
Atlanta, GA	Ozone	Moderate	50	-	22.72	-1.06	-116.33
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	22.73	-1.06	-116.38
Atlantic City, NJ	CO	Maintenance	100	-	0.16	-0.01	-0.82
Bakersfield, CA	CO	Maintenance	100	-	-0.22	-2.36	-9.95
Baltimore, MD	CO	Maintenance	100	-	0.03	-0.00	-0.16
Baltimore, MD	Ozone	Moderate	50	-	9.95	-0.46	-50.93
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	9.95	-0.46	-50.92
Baton Rouge, LA	Ozone	Moderate	50	-	-100.46	-136.03	-140.81
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-326.12	-433.00	-417.06
Benton County, TN	SO _x	Maintenance	100	-	0.00	-0.00	-0.02
Benton Harbor, MI	Ozone	Maintenance	100	-	0.53	-0.02	-2.71
Benzie County, MI	Ozone	Maintenance	100	-	0.08	-0.00	-0.43
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.49	-0.02	-2.51
Billings, MT	CO	Maintenance	100	-	-54.17	-71.96	-69.46
Birmingham, AL	Ozone	Maintenance	100	-	-1.69	-6.57	-22.28
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-1.68	-6.57	-22.34
Boise-Northern Ada County, ID	CO	Maintenance	100	-	1.10	-0.05	-5.62
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	1.10	-0.05	-5.62
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.06	-0.00	-0.31
Boston, MA	CO	Maintenance	100	-	2.71	-0.13	-13.87
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	16.56	-0.77	-84.79
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	2.17	-0.10	-11.09
Boyd County (part), KY	SO _x	Maintenance	100	-	0.03	-0.00	-0.15

Table B2-11
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Particulate Matter 2.5 (PM_{2.5}) 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	3.63	-0.17	-18.57
Burlington, NJ	CO	Maintenance	100	-	0.02	-0.00	-0.11
Butte, MT	PM ₁₀	Moderate	100	-	0.06	-0.00	-0.31
Canon City, CO	PM ₁₀	Maintenance	100	-	0.07	-0.00	-0.35
Canton-Massillon, OH	Ozone	Maintenance	100	-	-7.84	-11.60	-15.59
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-7.84	-11.60	-15.59
Case County, MI	Ozone	Maintenance	100	-	0.14	-0.01	-0.70
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.02	-0.00	-0.09
Charleston, WV	Ozone	Maintenance	100	-	0.82	-0.04	-4.20
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.82	-0.04	-4.20
Charlotte, NC	CO	Maintenance	100	-	2.52	-0.12	-12.89
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	5.56	-0.26	-28.45
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	1.71	-0.09	-8.80
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	1.57	-0.08	-8.09
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-129.00	-202.57	-310.65
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-128.21	-202.61	-314.70
Chico, CA	CO	Maintenance	100	-	0.42	-0.02	-2.15
Chico, CA	Ozone	Former Subpart 1	50	-	0.92	-0.04	-4.73
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	6.38	-0.30	-32.68
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	6.19	-0.29	-31.67
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.04	-0.00	-0.20
Clark County, NV	PM ₁₀	Serious	70	-	5.39	-0.25	-27.59
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.87	-0.04	-4.48
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.57	-0.03	-2.90
Cleveland, OH	CO	Maintenance	100	-	2.74	-0.13	-14.01
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	8.04	-0.38	-41.18
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	7.39	-0.34	-37.81
Coachella Valley, CA	PM ₁₀	Serious	70	-	2.40	-0.11	-12.26
Colbert County, AL	SO _x	Maintenance	100	-	0.17	-0.01	-0.89
Colorado Springs, CO	CO	Maintenance	100	-	2.05	-0.10	-10.51
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.02	-0.00	-0.10
Columbia, SC	Ozone	Former Subpart 1	50	-	2.11	-0.10	-10.78
Columbus, OH	Ozone	Maintenance	100	-	5.74	-0.27	-29.40

Table B2-11
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Particulate Matter 2.5 (PM_{2.5}) 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Columbus, OH	PM _{2.5}	Nonattainment	100	-	5.34	-0.25	-27.33
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	-0.02	-0.06
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	2.74	-0.13	-14.01
Cuyahoga County, OH	SO _x	Maintenance	100	-	2.28	-0.11	-11.65
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	24.28	-1.13	-124.27
Dayton-Springfield, OH	Ozone	Maintenance	100	-	2.56	-0.12	-13.12
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	2.26	-0.11	-11.56
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-56.45	-88.70	-136.21
Denver-Boulder, CO	CO	Maintenance	100	-	-56.90	-88.68	-133.91
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-54.34	-88.80	-147.05
Detroit, MI	CO	Maintenance	100	-	-46.12	-67.36	-87.50
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-52.44	-89.69	-160.49
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-52.72	-89.68	-159.07
Door County, WI	Ozone	Former Subpart 1	50	-	0.12	-0.01	-0.63
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.11	-0.01	-0.57
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.09	-0.00	-0.46
Duluth, MN	CO	Maintenance	100	-	0.25	-0.01	-1.26
Eagle River, AK	PM ₁₀	Moderate	100	-	0.03	-0.00	-0.16
East Chicago, IN	CO	Maintenance	100	-	0.00	-0.00	-0.02
East Chicago, IN	PM ₁₀	Maintenance	100	-	-119.86	-159.39	-154.44
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	-0.00	-0.02
El Paso County, TX	PM ₁₀	Moderate	100	-	-34.86	-48.31	-54.02
El Paso, TX	CO	Maintenance	100	-	0.10	-0.00	-0.51
Erie, PA	Ozone	Maintenance	100	-	0.70	-0.03	-3.59
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.01	-0.00	-0.03
Eugene-Springfield, OR	CO	Maintenance	100	-	0.76	-0.04	-3.90
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.73	-0.03	-3.74
Evansville, IN	Ozone	Maintenance	100	-	0.80	-0.04	-4.11
Evansville, IN	PM _{2.5}	Nonattainment	100	-	1.02	-0.05	-5.25
Fairbanks, AK	CO	Maintenance	100	-	0.06	-0.00	-0.31
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.95	-0.04	-4.86
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.03	-0.00	-0.13
Flint, MI	Ozone	Maintenance	100	-	1.62	-0.08	-8.31
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.02
Fort Collins, CO	CO	Maintenance	100	-	0.62	-0.03	-3.18

Table B2-11
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Particulate Matter 2.5 (PM_{2.5}) 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	1.18	-0.05	-6.02
Franklin County, PA	Ozone	Maintenance	100	-	0.50	-0.02	-2.57
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.42	-0.02	-2.17
Fredericksburg, VA	Ozone	Maintenance	100	-	1.48	-0.07	-7.55
Freehold, NJ	CO	Maintenance	100	-	0.06	-0.00	-0.33
Fresno, CA	CO	Maintenance	100	-	2.03	-0.10	-10.43
Grand Rapids, MI	Ozone	Maintenance	100	-	2.73	-0.13	-13.95
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.12	-0.01	-0.62
Grant County, NM	SO _x	Maintenance	100	-	0.01	-0.00	-0.04
Grants Pass, OR	CO	Maintenance	100	-	0.00	-0.00	-0.01
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.12	-0.01	-0.59
Great Falls, MT	CO	Maintenance	100	-	0.06	-0.00	-0.28
Greater Connecticut, CT	Ozone	Moderate	50	-	5.15	-0.24	-26.34
Greeley, CO	CO	Maintenance	100	-	0.42	-0.02	-2.14
Green Bay, WI	SO _x	Maintenance	100	-	0.40	-0.02	-2.06
Greene County, IN	Ozone	Maintenance	100	-	0.16	-0.01	-0.80
Greene County, PA	Ozone	Maintenance	100	-	0.14	-0.01	-0.72
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	5.15	-0.24	-26.38
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	2.52	-0.12	-12.92
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	2.78	-0.13	-14.25
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.07	-0.00	-0.36
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.37	-0.02	-1.91
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	2.86	-0.13	-14.61
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	2.63	-0.12	-13.48
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	3.29	-0.15	-16.83
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.04	-0.00	-0.18
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.14	-0.01	-0.71
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.02	-0.00	-0.08
Hazelwood, PA	SO _x	Maintenance	100	-	0.13	-0.01	-0.65
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.54	-0.03	-2.78
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.91	-0.04	-4.67
Hollis Township, IL	SO _x	Maintenance	100	-	0.01	-0.00	-0.04
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-481.01	-661.84	-723.17
Humphreys County, TN	SO _x	Maintenance	100	-	0.01	-0.00	-0.05
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-65.02	-87.26	-87.46

Table B2-11
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Particulate Matter 2.5 (PM_{2.5}) 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
		t					
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-65.46	-87.24	-85.21
Huron County, MI	Ozone	Maintenance	100	-	0.09	-0.00	-0.45
Imperial County, CA	Ozone	Moderate	50	-	0.78	-0.04	-4.00
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.76	-0.04	-3.91
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.10	-0.00	-0.53
Indianapolis, IN	CO	Maintenance	100	-	0.00	-0.00	-0.01
Indianapolis, IN	Ozone	Maintenance	100	-	6.66	-0.31	-34.10
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	5.29	-0.25	-27.09
Jackson County, IN	Ozone	Maintenance	100	-	0.25	-0.01	-1.27
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.49	-0.02	-2.49
Jefferson County, NY	Ozone	Moderate	50	-	0.39	-0.02	-2.01
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.02	-0.00	-0.11
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.67	-0.03	-3.43
Johnstown, PA	Ozone	Maintenance	100	-	0.28	-0.01	-1.42
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.31	-0.01	-1.56
Juneau, AK	PM ₁₀	Moderate	100	-	0.04	-0.00	-0.20
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	1.59	-0.07	-8.12
Kalispell, MT	PM ₁₀	Moderate	100	-	0.10	-0.00	-0.53
Kansas City, MO-KS	Ozone	Maintenance	100	-	5.56	-0.26	-28.45
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.48	-0.02	-2.46
Kent, WA	PM ₁₀	Maintenance	100	-	0.09	-0.00	-0.45
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.26	-0.01	-1.35
Kewaunee County, WI	Ozone	Maintenance	100	-	0.08	-0.00	-0.39
King County, WA	PM ₁₀	Maintenance	100	-	0.03	-0.00	-0.18
Klamath Falls, OR	CO	Maintenance	100	-	0.15	-0.01	-0.78
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.15	-0.01	-0.78
Knoxville, TN	Ozone	Former Subpart 1	50	-	4.09	-0.19	-20.93
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	3.12	-0.15	-15.97
La Porte County, IN	SO _x	Maintenance	100	-	0.10	-0.00	-0.53
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.05	-0.00	-0.24
Lake County, IN	SO _x	Maintenance	100	-	0.92	-0.04	-4.72
Lake County, OH	SO _x	Maintenance	100	-	0.11	-0.01	-0.57
Lake County, OR	PM ₁₀	Maintenance	100	-	0.02	-0.00	-0.09
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.12	-0.01	-0.60
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.26	-0.01	-1.31
Lake Tahoe, NV	CO	Maintenance	100	-	0.06	-0.00	-0.33

Table B2-11
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Particulate Matter 2.5 (PM_{2.5}) 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Lamar, CO	PM ₁₀	Maintenance	100	-	0.03	-0.00	-0.14
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.02
Lancaster, PA	Ozone	Maintenance	100	-	1.47	-0.07	-7.54
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	1.47	-0.07	-7.54
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.02
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	1.53	-0.07	-7.82
LaPorte, IN	Ozone	Maintenance	100	-	0.29	-0.01	-1.48
Las Vegas, NV	CO	Serious	100	-	5.39	-0.25	-27.59
Las Vegas, NV	Ozone	Former Subpart 1	50	-	5.46	-0.25	-27.93
Lauderdale County, AL	SO _x	Maintenance	100	-	0.27	-0.01	-1.37
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.01	-0.00	-0.03
Libby, MT	PM ₁₀	Moderate	100	-	0.01	-0.00	-0.07
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.02	-0.00	-0.09
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.04	-0.00	-0.20
Lima, OH	Ozone	Maintenance	100	-	-83.39	-110.74	-106.78
Longmont, CO	CO	Maintenance	100	-	0.32	-0.02	-1.66
Lorain County, OH	SO _x	Maintenance	100	-	0.15	-0.01	-0.75
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-185.45	-316.13	-562.61
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	-185.45	-316.13	-562.61
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-185.45	-316.13	-562.61
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-185.45	-316.13	-562.62
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-185.45	-316.13	-562.60
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	2.37	-0.11	-12.12
Louisville, KY-IN	Ozone	Maintenance	100	-	3.54	-0.16	-18.11
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	3.39	-0.16	-17.37
Lowell, MA	CO	Maintenance	100	-	0.38	-0.02	-1.95
Lucas County, OH	SO _x	Maintenance	100	-	0.90	-0.04	-4.60
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.16	-0.04	-0.99
Macon, GA	Ozone	Maintenance	100	-	0.62	-0.03	-3.19
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.62	-0.03	-3.15
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.01	-0.00	-0.04
Madison, WI	SO _x	Maintenance	100	-	0.86	-0.04	-4.41
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.04	-0.00	-0.20
Manchester, NH	CO	Maintenance	100	-	0.23	-0.01	-1.18
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.31	-0.01	-1.60

Table B2-11
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Particulate Matter 2.5 (PM_{2.5}) 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Marion County, IN	SO _x	Maintenance	100	-	0.95	-0.04	-4.87
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.42	-0.02	-2.16
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	1.03	-0.05	-5.26
Mason County, MI	Ozone	Maintenance	100	-	0.09	-0.00	-0.44
Medford, OR	CO	Maintenance	100	-	0.28	-0.01	-1.43
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.67	-0.03	-3.43
Memphis, TN-AR	Ozone	Maintenance	100	-	-22.78	-34.29	-47.96
Memphis, TN	CO	Maintenance	100	-	-23.01	-34.28	-46.77
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.10	-0.00	-0.53
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.02	-0.00	-0.08
Milwaukee, WI	SO _x	Maintenance	100	-	1.62	-0.08	-8.29
Milwaukee-Racine, WI	Ozone	Moderate	50	-	5.78	-0.27	-29.60
Minneapolis-St Paul, MN	CO	Maintenance	100	-	9.56	-0.45	-48.95
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	9.29	-0.43	-47.56
Missoula, MT	CO	Maintenance	100	-	0.20	-0.01	-1.04
Missoula, MT	PM ₁₀	Moderate	100	-	0.20	-0.01	-1.00
Modesto, CA	CO	Maintenance	100	-	1.13	-0.05	-5.78
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.38	-0.02	-1.96
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.01	-0.00	-0.03
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.01	-0.00	-0.05
Morristown, NJ	CO	Maintenance	100	-	0.12	-0.01	-0.60
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.09	-0.00	-0.45
Muncie, IN	Ozone	Maintenance	100	-	0.33	-0.02	-1.71
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.02	-0.00	-0.08
Muscatine County, IA	SO _x	Maintenance	100	-	0.05	-0.00	-0.25
Muskegon, MI	Ozone	Maintenance	100	-	0.42	-0.02	-2.14
Nashua, NH	CO	Maintenance	100	-	0.19	-0.01	-0.95
Nashville, TN	Ozone	Former Subpart 1	50	-	5.50	-0.26	-28.15
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.56	-0.03	-2.86
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.48	-0.02	-2.47
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	2.44	-0.11	-12.49
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.02	-0.00	-0.09
New York County, NY	PM ₁₀	Moderate	100	-	1.36	-0.06	-6.97
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-2.31	-36.79	-159.94
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	10.45	-51.32	-290.12
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	10.02	-51.30	-287.96
Nogales, AZ	PM ₁₀	Moderate	100	-	0.14	-0.01	-0.69

Table B2-11
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Particulate Matter 2.5 (PM_{2.5}) 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-88.31	-123.64	-142.67
Ogden, UT	CO	Maintenance	100	-	0.22	-0.01	-1.12
Ogden, UT	PM ₁₀	Moderate	100	-	0.22	-0.01	-1.12
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.01	-0.00	-0.03
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.06	-0.00	-0.32
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.37	-0.02	-1.92
Owens Valley, CA	PM ₁₀	Serious	70	-	0.01	-0.00	-0.07
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.45	-0.02	-2.28
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.45	-0.02	-2.30
Payson, AZ	PM ₁₀	Maintenance	100	-	0.07	-0.00	-0.34
Penns Grove, NJ	CO	Maintenance	100	-	0.00	-0.00	-0.01
Peoria, IL	SO _x	Maintenance	100	-	0.30	-0.02	-1.57
Perth Amboy, NJ	CO	Maintenance	100	-	-9.71	-13.23	-14.00
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	1.15	-0.05	-5.88
Phildelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-130.64	-191.94	-253.14
Phildelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-124.35	-192.78	-287.89
Phoenix, AZ	CO	Maintenance	100	-	18.19	-0.94	-93.52
Phoenix, AZ	PM ₁₀	Serious	70	-	18.69	-0.96	-96.09
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	18.74	-0.96	-96.36
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.03	-0.00	-0.17
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.02
Pittsburgh, PA	CO	Maintenance	100	-	0.08	-0.01	-0.43
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	6.15	-0.34	-31.74
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	5.62	-0.31	-28.98
Polk County, TN	SO _x	Maintenance	100	-	0.07	-0.00	-0.34
Polson, MT	PM ₁₀	Moderate	100	-	0.01	-0.00	-0.05
Portland, ME	Ozone	Maintenance	100	-	1.80	-0.09	-9.26
Portland, OR	CO	Maintenance	100	-	3.15	-0.88	-19.54
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.14	-0.01	-0.70
Poughkeepsie, NY	Ozone	Moderate	50	-	4.79	-0.22	-24.50
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.03	-0.00	-0.14
Providence (entire State), RI	Ozone	Moderate	50	-	3.23	-0.15	-16.55
Provo, UT	CO	Maintenance	100	-	0.57	-0.03	-2.93
Raleigh-Durham, NC	CO	Maintenance	100	-	4.49	-0.21	-22.99
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	6.11	-0.28	-31.25
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.01	-0.00	-0.03
Reading, PA	Ozone	Maintenance	100	-	1.06	-0.05	-5.41

Table B2-11
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Particulate Matter 2.5 (PM_{2.5}) 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Reading, PA	PM _{2.5}	Nonattainment	100	-	1.06	-0.05	-5.41
Reno, NV	CO	Maintenance	100	-	0.79	-0.04	-4.03
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	-0.00	-0.02
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	3.77	-0.37	-20.22
Rillito, AZ	PM ₁₀	Moderate	100	-	0.18	-0.01	-0.91
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	2.40	-0.11	-12.26
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.81	-0.04	-4.16
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.27	-0.01	-1.36
Rochester, NY	Ozone	Former Subpart 1	50	-	4.25	-0.20	-21.78
Rocky Mount, NC	Ozone	Maintenance	100	-	0.57	-0.03	-2.93
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.38	-0.02	-1.93
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.02
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.01	-0.00	-0.04
Sacramento County, CA	PM ₁₀	Moderate	100	-	5.47	-0.26	-28.01
Sacramento Metro, CA	Ozone	Severe	25	-	10.04	-0.47	-51.37
Sacramento, CA	CO	Maintenance	100	-	6.15	-0.29	-31.48
Salem, OR	CO	Maintenance	100	-	0.41	-0.02	-2.10
Salt Lake City, UT	CO	Maintenance	100	-	-22.61	-30.88	-32.88
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-19.92	-31.00	-46.66
Salt Lake County, UT	SO _x	Nonattainment	100	-	3.40	-0.16	-17.40
San Antonio, TX	Ozone	Former Subpart 1	50	-	6.22	-0.29	-31.84
San Bernardino County, CA	PM ₁₀	Moderate	100	-	1.47	-0.07	-7.52
San Diego, CA	CO	Maintenance	100	-	14.87	-0.69	-76.13
San Diego, CA	Ozone	Former Subpart 1	50	-	14.90	-0.69	-76.28
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-170.76	-255.97	-354.55
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-167.96	-256.10	-368.90
San Joaquin Valley, CA	Ozone	Extreme	10	-	14.74	-3.08	-86.56
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	14.79	-3.08	-86.82
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	14.74	-3.08	-86.56
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.12	-0.01	-0.61
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	2.13	-0.10	-10.89
Seattle-Tacoma, WA	CO	Maintenance	100	-	10.07	-0.47	-51.55
Sheboygan, WI	Ozone	Moderate	50	-	0.39	-0.02	-2.00
Sheridan, WY	PM ₁₀	Moderate	100	-	0.07	-0.00	-0.35
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00

Table B2-11
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Particulate Matter 2.5 (PM_{2.5}) 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Somerville, NJ	CO	Maintenance	100	-	0.06	-0.00	-0.30
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	1.44	-0.07	-7.36
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.41	-0.11	-2.51
Spokane County, WA	PM ₁₀	Maintenance	100	-	1.00	-0.05	-5.10
Spokane, WA	CO	Maintenance	100	-	0.98	-0.05	-5.04
Springfield (western MA), MA	Ozone	Moderate	50	-	2.84	-0.13	-14.53
Springfield, MA	CO	Maintenance	100	-	0.47	-0.02	-2.42
St Louis, MO	CO	Maintenance	100	-	2.61	-0.12	-13.37
St Louis, MO-IL	Ozone	Moderate	50	-	-365.79	-496.24	-517.05
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-365.85	-496.24	-516.74
State College, PA	Ozone	Maintenance	100	-	0.58	-0.03	-2.95
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.07	-0.00	-0.36
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.13	-0.01	-0.64
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.37	-0.88	-2.26
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.37	-0.88	-2.26
Stockton, CA	CO	Maintenance	100	-	1.71	-0.08	-8.73
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	1.58	-0.07	-8.11
Telluride, CO	PM ₁₀	Maintenance	100	-	0.01	-0.00	-0.03
Terre Haute, IN	Ozone	Maintenance	100	-	0.38	-0.02	-1.96
Tioga County, PA	Ozone	Maintenance	100	-	0.17	-0.01	-0.87
Toledo, OH	Ozone	Maintenance	100	-	-85.49	-115.37	-118.02
Toms River, NJ	CO	Maintenance	100	-	0.35	-0.02	-1.79
Tooele County, UT	SO _x	Nonattainment	100	-	0.33	-0.02	-1.71
Trenton, NJ	CO	Maintenance	100	-	0.29	-0.01	-1.47
Trona, CA	PM ₁₀	Moderate	100	-	0.01	-0.00	-0.06
Tucson, AZ	CO	Maintenance	100	-	3.40	-0.16	-17.42
Utah County, UT	PM ₁₀	Moderate	100	-	1.66	-0.08	-8.50
Vancouver, WA	CO	Maintenance	100	-	1.11	-0.05	-5.66
Ventura County, CA	Ozone	Serious	50	-	2.92	-0.29	-15.65
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.02	-0.00	-0.11
Vigo County, IN	SO _x	Maintenance	100	-	0.38	-0.02	-1.96
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.18	-0.01	-0.91
Warren County, NJ	SO _x	Maintenance	100	-	0.12	-0.01	-0.60
Warren County, PA	SO _x	Nonattainment	100	-	-0.02	-0.09	-0.29
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.67	-0.03	-3.43
Washington, DC-MD-VA	CO	Maintenance	100	-	5.12	-0.24	-26.18

Table B2-11
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Particulate Matter 2.5 (PM_{2.5}) 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	18.31	-0.85	-93.72
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	17.90	-0.83	-91.64
Washoe County, NV	PM ₁₀	Serious	70	-	0.79	-0.04	-4.03
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.01	-0.00	-0.06
Wayne County, IN	SO _x	Maintenance	100	-	0.21	-0.01	-1.06
Wayne County, MI	PM ₁₀	Maintenance	100	-	-39.62	-52.77	-51.43
Weirton, WV	PM ₁₀	Maintenance	100	-	0.03	-0.00	-0.13
Weirton, WV	SO _x	Maintenance	100	-	0.03	-0.00	-0.18
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.43	-0.02	-2.21
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.43	-0.02	-2.21
Winston-Salem, NC	CO	Maintenance	100	-	1.33	-0.06	-6.82
Worcester, MA	CO	Maintenance	100	-	0.75	-0.03	-3.82
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.30	-0.01	-1.56
Yakima, WA	CO	Maintenance	100	-	0.14	-0.01	-0.70
York, PA	Ozone	Maintenance	100	-	1.48	-0.07	-7.56
York, PA	PM _{2.5}	Nonattainment	100	-	1.14	-0.05	-5.86
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	1.89	-0.09	-9.67
Yuma, AZ	PM ₁₀	Moderate	100	-	0.65	-0.03	-3.33

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

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

c/ Emissions thresholds in tons/year of: VOC or NO_x in ozone NAAs; primary PM_{2.5} in PM_{2.5} NAAs. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the proposed actions. Source: EPA, 2008.

Table B2-12
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.01	0.00	-0.04
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.03	0.01	-0.09
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.03	0.01	-0.09
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	10.16	2.87	-27.92
Albuquerque, NM	CO	Maintenance	100	-	4.57	1.29	-12.55
Allegan County, MI	Ozone	Former Subpart 1	50	-	1.29	0.36	-3.54
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	4.67	1.32	-12.82
Altoona, PA	Ozone	Maintenance	100	-	0.69	0.19	-1.91
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	1.84	0.52	-5.05
Anchorage, AK	CO	Maintenance	100	-	1.24	0.35	-3.40
Anthony, NM	PM ₁₀	Moderate	100	-	0.06	0.02	-0.15
Armstrong County, PA	SO _x	Nonattainment	100	-	0.04	0.01	-0.11
Aspen, CO	PM ₁₀	Maintenance	100	-	0.06	0.02	-0.17
Atlanta, GA	Ozone	Moderate	50	-	57.49	16.25	-158.07
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	57.51	16.26	-158.12
Atlantic City, NJ	CO	Maintenance	100	-	0.38	0.11	-1.03
Bakersfield, CA	CO	Maintenance	100	-	0.31	-2.95	-14.58
Baltimore, MD	CO	Maintenance	100	-	0.07	0.02	-0.20
Baltimore, MD	Ozone	Moderate	50	-	24.78	7.01	-68.12
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	24.78	7.01	-68.12
Baton Rouge, LA	Ozone	Moderate	50	-	-205.73	-238.37	-248.49
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-670.38	-763.52	-749.99
Benton County, TN	SO _x	Maintenance	100	-	0.01	0.00	-0.02
Benton Harbor, MI	Ozone	Maintenance	100	-	1.17	0.33	-3.23
Benzie County, MI	Ozone	Maintenance	100	-	0.22	0.06	-0.61
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	1.23	0.35	-3.37
Billings, MT	CO	Maintenance	100	-	-111.33	-126.87	-124.89
Birmingham, AL	Ozone	Maintenance	100	-	-2.53	-9.23	-31.48
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-2.51	-9.22	-31.55
Boise-Northern Ada County, ID	CO	Maintenance	100	-	2.77	0.78	-7.61
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	2.77	0.78	-7.61
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.16	0.05	-0.44
Boston, MA	CO	Maintenance	100	-	6.51	1.84	-17.90
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	40.39	11.42	-111.03
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	5.39	1.52	-14.82
Boyd County (part), KY	SO _x	Maintenance	100	-	0.07	0.02	-0.19

Table B2-12
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	8.61	2.43	-23.67
Burlington, NJ	CO	Maintenance	100	-	0.04	0.01	-0.10
Butte, MT	PM ₁₀	Moderate	100	-	0.13	0.04	-0.35
Canon City, CO	PM ₁₀	Maintenance	100	-	0.19	0.05	-0.51
Canton-Massillon, OH	Ozone	Maintenance	100	-	-15.88	-19.81	-25.56
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-15.88	-19.81	-25.56
Case County, MI	Ozone	Maintenance	100	-	0.32	0.09	-0.89
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.01	0.00	-0.02
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.04	0.01	-0.10
Charleston, WV	Ozone	Maintenance	100	-	1.84	0.52	-5.06
Charleston, WV	PM _{2.5}	Nonattainment	100	-	1.84	0.52	-5.06
Charlotte, NC	CO	Maintenance	100	-	6.41	1.81	-17.61
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	14.00	3.96	-38.49
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	4.06	1.13	-11.22
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	3.76	1.05	-10.40
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-255.49	-339.35	-504.31
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-253.54	-338.80	-509.68
Chico, CA	CO	Maintenance	100	-	1.19	0.34	-3.26
Chico, CA	Ozone	Former Subpart 1	50	-	2.49	0.70	-6.83
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	15.55	4.40	-42.74
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	15.05	4.25	-41.36
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.08	0.02	-0.22
Clark County, NV	PM ₁₀	Serious	70	-	14.23	4.02	-39.11
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	2.20	0.62	-6.05
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	1.34	0.38	-3.69
Cleveland, OH	CO	Maintenance	100	-	6.05	1.71	-16.63
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	18.99	5.37	-52.20
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	17.36	4.91	-47.73
Coachella Valley, CA	PM ₁₀	Serious	70	-	6.51	1.84	-17.90
Colbert County, AL	SO _x	Maintenance	100	-	0.38	0.11	-1.05
Colorado Springs, CO	CO	Maintenance	100	-	5.29	1.50	-14.55
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.05	0.01	-0.14
Columbia, SC	Ozone	Former Subpart 1	50	-	5.15	1.46	-14.17
Columbus, OH	Ozone	Maintenance	100	-	14.61	4.13	-40.16

Table B2-12
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Columbus, OH	PM _{2.5}	Nonattainment	100	-	13.61	3.85	-37.40
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.01	-0.03	-0.08
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	6.05	1.71	-16.63
Cuyahoga County, OH	SO _x	Maintenance	100	-	5.22	1.47	-14.34
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	62.65	17.71	-172.23
Dayton-Springfield, OH	Ozone	Maintenance	100	-	5.94	1.68	-16.34
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	5.22	1.48	-14.35
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-110.99	-148.35	-223.27
Denver-Boulder, CO	CO	Maintenance	100	-	-112.16	-148.68	-220.08
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-105.57	-146.82	-238.19
Detroit, MI	CO	Maintenance	100	-	-101.08	-122.79	-147.75
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-102.34	-146.80	-251.11
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-103.01	-146.99	-249.26
Door County, WI	Ozone	Former Subpart 1	50	-	0.31	0.09	-0.86
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.26	0.07	-0.71
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.21	0.06	-0.58
Duluth, MN	CO	Maintenance	100	-	0.56	0.16	-1.55
Eagle River, AK	PM ₁₀	Moderate	100	-	0.08	0.02	-0.22
East Chicago, IN	CO	Maintenance	100	-	0.01	0.00	-0.02
East Chicago, IN	PM ₁₀	Maintenance	100	-	-246.35	-280.93	-277.21
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.01	0.00	-0.02
El Paso County, TX	PM ₁₀	Moderate	100	-	-71.02	-84.03	-93.66
El Paso, TX	CO	Maintenance	100	-	0.24	0.07	-0.65
Erie, PA	Ozone	Maintenance	100	-	1.64	0.46	-4.50
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.01	0.00	-0.04
Eugene-Springfield, OR	CO	Maintenance	100	-	1.90	0.54	-5.23
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	1.83	0.52	-5.02
Evansville, IN	Ozone	Maintenance	100	-	1.92	0.54	-5.28
Evansville, IN	PM _{2.5}	Nonattainment	100	-	2.43	0.69	-6.67
Fairbanks, AK	CO	Maintenance	100	-	0.16	0.04	-0.43
Fayetteville, NC	Ozone	Former Subpart 1	50	-	2.30	0.65	-6.33
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.07	0.02	-0.18
Flint, MI	Ozone	Maintenance	100	-	3.83	1.08	-10.53
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Fort Collins, CO	CO	Maintenance	100	-	1.61	0.46	-4.43

Table B2-12
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	2.86	0.81	-7.85
Franklin County, PA	Ozone	Maintenance	100	-	1.24	0.35	-3.41
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.01	0.00	-0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	1.03	0.29	-2.83
Fredericksburg, VA	Ozone	Maintenance	100	-	3.87	1.09	-10.63
Freehold, NJ	CO	Maintenance	100	-	0.18	0.05	-0.49
Fresno, CA	CO	Maintenance	100	-	5.17	1.45	-14.25
Grand Rapids, MI	Ozone	Maintenance	100	-	6.84	1.93	-18.80
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.26	0.07	-0.73
Grant County, NM	SO _x	Maintenance	100	-	0.02	0.00	-0.05
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	-0.01
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.30	0.09	-0.84
Great Falls, MT	CO	Maintenance	100	-	0.12	0.03	-0.32
Greater Connecticut, CT	Ozone	Moderate	50	-	12.17	3.44	-33.44
Greeley, CO	CO	Maintenance	100	-	1.05	0.30	-2.90
Green Bay, WI	SO _x	Maintenance	100	-	0.98	0.28	-2.69
Greene County, IN	Ozone	Maintenance	100	-	0.38	0.11	-1.04
Greene County, PA	Ozone	Maintenance	100	-	0.33	0.09	-0.90
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	12.34	3.49	-33.91
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	5.99	1.69	-16.46
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	6.52	1.84	-17.93
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.17	0.05	-0.47
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.90	0.26	-2.48
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	7.13	2.02	-19.60
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	6.57	1.86	-18.06
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	7.66	2.17	-21.07
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.09	0.03	-0.25
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.37	0.10	-1.01
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.04	0.01	-0.11
Hazelwood, PA	SO _x	Maintenance	100	-	0.31	0.09	-0.86
Hickory, NC	PM _{2.5}	Nonattainment	100	-	1.25	0.35	-3.44
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	2.14	0.61	-5.89
Hollis Township, IL	SO _x	Maintenance	100	-	0.02	0.00	-0.04
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-981.04	-1,153.67	-1,261.67
Humphreys County, TN	SO _x	Maintenance	100	-	0.02	0.01	-0.06
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-133.51	-153.38	-155.32

Table B2-12
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
		t					
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-134.56	-153.67	-152.43
Huron County, MI	Ozone	Maintenance	100	-	0.20	0.06	-0.56
Imperial County, CA	Ozone	Moderate	50	-	2.05	0.58	-5.63
Imperial Valley, CA	PM ₁₀	Serious	70	-	2.01	0.57	-5.52
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.24	0.07	-0.66
Indianapolis, IN	CO	Maintenance	100	-	0.01	0.00	-0.02
Indianapolis, IN	Ozone	Maintenance	100	-	16.58	4.69	-45.58
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	13.20	3.73	-36.28
Jackson County, IN	Ozone	Maintenance	100	-	0.59	0.17	-1.62
Jamestown, NY	Ozone	Former Subpart 1	50	-	1.15	0.33	-3.17
Jefferson County, NY	Ozone	Moderate	50	-	0.94	0.27	-2.58
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.04	0.01	-0.12
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	1.57	0.44	-4.31
Johnstown, PA	Ozone	Maintenance	100	-	0.57	0.16	-1.58
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.63	0.18	-1.74
Juneau, AK	PM ₁₀	Moderate	100	-	0.11	0.03	-0.30
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	3.76	1.06	-10.35
Kalispell, MT	PM ₁₀	Moderate	100	-	0.27	0.08	-0.73
Kansas City, MO-KS	Ozone	Maintenance	100	-	13.87	3.92	-38.13
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	1.21	0.34	-3.32
Kent, WA	PM ₁₀	Maintenance	100	-	0.23	0.07	-0.64
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.63	0.18	-1.72
Kewaunee County, WI	Ozone	Maintenance	100	-	0.18	0.05	-0.49
King County, WA	PM ₁₀	Maintenance	100	-	0.09	0.03	-0.24
Klamath Falls, OR	CO	Maintenance	100	-	0.36	0.10	-0.99
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.36	0.10	-0.99
Knoxville, TN	Ozone	Former Subpart 1	50	-	10.46	2.96	-28.76
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	7.89	2.23	-21.68
La Porte County, IN	SO _x	Maintenance	100	-	0.24	0.07	-0.65
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.11	0.03	-0.32
Lake County, IN	SO _x	Maintenance	100	-	2.11	0.60	-5.81
Lake County, OH	SO _x	Maintenance	100	-	0.26	0.07	-0.72
Lake County, OR	PM ₁₀	Maintenance	100	-	0.04	0.01	-0.12
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.33	0.09	-0.91
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.75	0.21	-2.07
Lake Tahoe, NV	CO	Maintenance	100	-	0.15	0.04	-0.42

Table B2-12
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Lamar, CO	PM ₁₀	Maintenance	100	-	0.06	0.02	-0.18
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.01	0.00	-0.02
Lancaster, PA	Ozone	Maintenance	100	-	3.61	1.02	-9.93
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	3.61	1.02	-9.93
Lane County, OR	PM ₁₀	Moderate	100	-	0.01	0.00	-0.02
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	3.69	1.04	-10.14
LaPorte, IN	Ozone	Maintenance	100	-	0.65	0.18	-1.80
Las Vegas, NV	CO	Serious	100	-	14.23	4.02	-39.11
Las Vegas, NV	Ozone	Former Subpart 1	50	-	14.38	4.06	-39.52
Lauderdale County, AL	SO _x	Maintenance	100	-	0.62	0.17	-1.69
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.01	0.00	-0.04
Libby, MT	PM ₁₀	Moderate	100	-	0.03	0.01	-0.08
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.04	0.01	-0.11
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.08	0.02	-0.22
Lima, OH	Ozone	Maintenance	100	-	-171.40	-195.26	-191.95
Longmont, CO	CO	Maintenance	100	-	0.86	0.24	-2.36
Lorain County, OH	SO _x	Maintenance	100	-	0.36	0.10	-0.98
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-356.97	-516.85	-897.55
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	-356.97	-516.85	-897.55
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-356.97	-516.85	-897.55
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-356.97	-516.85	-897.55
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-356.97	-516.85	-897.54
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	6.04	1.71	-16.60
Louisville, KY-IN	Ozone	Maintenance	100	-	8.38	2.37	-23.04
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	7.97	2.25	-21.91
Lowell, MA	CO	Maintenance	100	-	0.97	0.27	-2.67
Lucas County, OH	SO _x	Maintenance	100	-	2.04	0.58	-5.62
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.38	0.06	-1.23
Macon, GA	Ozone	Maintenance	100	-	1.40	0.40	-3.85
Macon, GA	PM _{2.5}	Nonattainment	100	-	1.38	0.39	-3.80
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.02	0.01	-0.05
Madison, WI	SO _x	Maintenance	100	-	2.25	0.64	-6.18
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.12	0.03	-0.32
Manchester, NH	CO	Maintenance	100	-	0.50	0.14	-1.37
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.73	0.21	-2.01

Table B2-12
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Marion County, IN	SO _x	Maintenance	100	-	2.19	0.62	-6.01
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	1.14	0.32	-3.14
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	2.49	0.70	-6.84
Mason County, MI	Ozone	Maintenance	100	-	0.21	0.06	-0.58
Medford, OR	CO	Maintenance	100	-	0.74	0.21	-2.03
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	1.78	0.50	-4.89
Memphis, TN-AR	Ozone	Maintenance	100	-	-46.10	-58.30	-77.79
Memphis, TN	CO	Maintenance	100	-	-46.60	-58.45	-76.40
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.27	0.08	-0.74
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.03	0.01	-0.09
Milwaukee, WI	SO _x	Maintenance	100	-	3.79	1.07	-10.41
Milwaukee-Racine, WI	Ozone	Moderate	50	-	14.12	3.99	-38.82
Minneapolis-St Paul, MN	CO	Maintenance	100	-	23.77	6.72	-65.36
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	23.08	6.52	-63.45
Missoula, MT	CO	Maintenance	100	-	0.50	0.14	-1.38
Missoula, MT	PM ₁₀	Moderate	100	-	0.48	0.14	-1.33
Modesto, CA	CO	Maintenance	100	-	2.99	0.85	-8.22
Mohave County, AZ	PM ₁₀	Maintenance	100	-	1.03	0.29	-2.84
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.01	0.00	-0.04
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.02	0.01	-0.07
Morristown, NJ	CO	Maintenance	100	-	0.32	0.09	-0.87
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.20	0.06	-0.55
Muncie, IN	Ozone	Maintenance	100	-	0.73	0.21	-2.00
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.05	0.01	-0.13
Muscatine County, IA	SO _x	Maintenance	100	-	0.12	0.03	-0.34
Muskegon, MI	Ozone	Maintenance	100	-	1.02	0.29	-2.80
Nashua, NH	CO	Maintenance	100	-	0.41	0.12	-1.12
Nashville, TN	Ozone	Former Subpart 1	50	-	13.80	3.90	-37.95
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	1.57	0.44	-4.33
New Haven County, CT	PM ₁₀	Maintenance	100	-	1.28	0.36	-3.51
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	5.72	1.62	-15.71
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.04	0.01	-0.12
New York County, NY	PM ₁₀	Moderate	100	-	3.08	0.87	-8.46
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	3.20	-46.34	-222.23
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	38.47	-54.21	-399.77
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	37.41	-54.51	-396.85
Nogales, AZ	PM ₁₀	Moderate	100	-	0.34	0.10	-0.93

Table B2-12
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-179.91	-214.47	-244.49
Ogden, UT	CO	Maintenance	100	-	0.52	0.15	-1.42
Ogden, UT	PM ₁₀	Moderate	100	-	0.52	0.15	-1.42
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.04
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.14	0.04	-0.37
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.97	0.27	-2.66
Owens Valley, CA	PM ₁₀	Serious	70	-	0.05	0.01	-0.13
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	1.04	0.29	-2.86
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	1.05	0.29	-2.88
Payson, AZ	PM ₁₀	Maintenance	100	-	0.17	0.05	-0.46
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
Peoria, IL	SO _x	Maintenance	100	-	0.69	0.18	-1.94
Perth Amboy, NJ	CO	Maintenance	100	-	-19.78	-23.12	-24.82
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	2.56	0.72	-7.05
Phildelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-264.12	-328.26	-419.48
Phildelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-248.66	-324.53	-464.86
Phoenix, AZ	CO	Maintenance	100	-	50.64	14.21	-139.67
Phoenix, AZ	PM ₁₀	Serious	70	-	51.93	14.58	-143.22
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	52.06	14.61	-143.57
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.07	0.02	-0.19
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.01	0.00	-0.02
Pittsburgh, PA	CO	Maintenance	100	-	0.25	0.07	-0.69
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	14.40	4.01	-39.86
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	13.14	3.65	-36.40
Polk County, TN	SO _x	Maintenance	100	-	0.16	0.04	-0.43
Polson, MT	PM ₁₀	Moderate	100	-	0.03	0.01	-0.08
Portland, ME	Ozone	Maintenance	100	-	4.36	1.22	-12.03
Portland, OR	CO	Maintenance	100	-	7.73	1.24	-25.51
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.32	0.09	-0.87
Poughkeepsie, NY	Ozone	Moderate	50	-	12.42	3.51	-34.16
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.06	0.02	-0.17
Providence (entire State), RI	Ozone	Moderate	50	-	7.98	2.26	-21.93
Provo, UT	CO	Maintenance	100	-	1.48	0.42	-4.08
Raleigh-Durham, NC	CO	Maintenance	100	-	11.50	3.25	-31.62
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	15.59	4.41	-42.86
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.03
Reading, PA	Ozone	Maintenance	100	-	2.53	0.72	-6.95

Table B2-12
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Reading, PA	PM _{2.5}	Nonattainment	100	-	2.53	0.72	-6.95
Reno, NV	CO	Maintenance	100	-	1.91	0.54	-5.25
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.01	0.00	-0.03
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	9.16	2.36	-26.25
Rillito, AZ	PM ₁₀	Moderate	100	-	0.47	0.13	-1.31
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	6.51	1.84	-17.90
Roanoke, VA	Ozone	Former Subpart 1	50	-	1.90	0.54	-5.23
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.66	0.19	-1.81
Rochester, NY	Ozone	Former Subpart 1	50	-	10.20	2.88	-28.05
Rocky Mount, NC	Ozone	Maintenance	100	-	1.34	0.38	-3.67
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.90	0.25	-2.47
Ronan, MT	PM ₁₀	Moderate	100	-	0.01	0.00	-0.03
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.02	0.01	-0.05
Sacramento County, CA	PM ₁₀	Moderate	100	-	14.64	4.14	-40.26
Sacramento Metro, CA	Ozone	Severe	25	-	27.17	7.68	-74.70
Sacramento, CA	CO	Maintenance	100	-	16.48	4.66	-45.31
Salem, OR	CO	Maintenance	100	-	0.97	0.27	-2.67
Salt Lake City, UT	CO	Maintenance	100	-	-46.20	-53.95	-57.70
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-39.55	-52.07	-76.00
Salt Lake County, UT	SO _x	Nonattainment	100	-	8.41	2.38	-23.13
San Antonio, TX	Ozone	Former Subpart 1	50	-	15.58	4.41	-42.84
San Bernardino County, CA	PM ₁₀	Moderate	100	-	3.67	1.04	-10.09
San Diego, CA	CO	Maintenance	100	-	39.20	11.08	-107.76
San Diego, CA	Ozone	Former Subpart 1	50	-	39.28	11.10	-107.97
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-340.15	-434.17	-591.82
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-333.30	-432.24	-610.65
San Joaquin Valley, CA	Ozone	Extreme	10	-	40.24	8.32	-124.42
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	40.33	8.35	-124.69
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	40.24	8.32	-124.42
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.31	0.09	-0.85
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.01	0.00	-0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	5.10	1.44	-14.03
Seattle-Tacoma, WA	CO	Maintenance	100	-	25.34	7.16	-69.66
Sheboygan, WI	Ozone	Moderate	50	-	0.97	0.27	-2.66
Sheridan, WY	PM ₁₀	Moderate	100	-	0.16	0.05	-0.44
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00

Table B2-12
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Somerville, NJ	CO	Maintenance	100	-	0.14	0.04	-0.39
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	3.45	0.98	-9.49
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.81	0.13	-2.66
Spokane County, WA	PM ₁₀	Maintenance	100	-	2.50	0.71	-6.86
Spokane, WA	CO	Maintenance	100	-	2.47	0.70	-6.78
Springfield (western MA), MA	Ozone	Moderate	50	-	6.81	1.92	-18.72
Springfield, MA	CO	Maintenance	100	-	1.20	0.34	-3.29
St Louis, MO	CO	Maintenance	100	-	5.64	1.59	-15.50
St Louis, MO-IL	Ozone	Moderate	50	-	-749.78	-869.29	-908.14
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-749.92	-869.33	-907.75
State College, PA	Ozone	Maintenance	100	-	1.46	0.41	-4.00
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.19	0.05	-0.52
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.28	0.08	-0.76
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.72	-1.35	-3.19
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.72	-1.35	-3.19
Stockton, CA	CO	Maintenance	100	-	4.64	1.31	-12.77
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	3.70	1.05	-10.16
Telluride, CO	PM ₁₀	Maintenance	100	-	0.02	0.01	-0.05
Terre Haute, IN	Ozone	Maintenance	100	-	0.84	0.24	-2.32
Tioga County, PA	Ozone	Maintenance	100	-	0.38	0.11	-1.06
Toledo, OH	Ozone	Maintenance	100	-	-175.36	-202.43	-208.40
Toms River, NJ	CO	Maintenance	100	-	0.93	0.26	-2.55
Tooele County, UT	SO _x	Nonattainment	100	-	0.83	0.23	-2.27
Trenton, NJ	CO	Maintenance	100	-	0.71	0.20	-1.94
Trona, CA	PM ₁₀	Moderate	100	-	0.03	0.01	-0.08
Tucson, AZ	CO	Maintenance	100	-	8.68	2.45	-23.86
Utah County, UT	PM ₁₀	Moderate	100	-	4.24	1.20	-11.65
Vancouver, WA	CO	Maintenance	100	-	2.89	0.82	-7.94
Ventura County, CA	Ozone	Serious	50	-	7.80	2.01	-22.32
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.05	0.01	-0.13
Vigo County, IN	SO _x	Maintenance	100	-	0.84	0.24	-2.32
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.43	0.12	-1.17
Warren County, NJ	SO _x	Maintenance	100	-	0.29	0.08	-0.79
Warren County, PA	SO _x	Nonattainment	100	-	-0.05	-0.14	-0.41
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	1.60	0.45	-4.39
Washington, DC-MD-VA	CO	Maintenance	100	-	12.94	3.66	-35.57

Table B2-12
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	46.36	13.11	-127.45
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	45.29	12.80	-124.50
Washoe County, NV	PM ₁₀	Serious	70	-	1.91	0.54	-5.25
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.03	0.01	-0.08
Wayne County, IN	SO _x	Maintenance	100	-	0.45	0.13	-1.24
Wayne County, MI	PM ₁₀	Maintenance	100	-	-84.52	-96.77	-96.86
Weirton, WV	PM ₁₀	Maintenance	100	-	0.05	0.01	-0.13
Weirton, WV	SO _x	Maintenance	100	-	0.07	0.02	-0.18
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.94	0.27	-2.59
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.94	0.27	-2.59
Winston-Salem, NC	CO	Maintenance	100	-	3.25	0.92	-8.93
Worcester, MA	CO	Maintenance	100	-	1.93	0.55	-5.31
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.75	0.21	-2.05
Yakima, WA	CO	Maintenance	100	-	0.37	0.10	-1.01
York, PA	Ozone	Maintenance	100	-	3.67	1.04	-10.10
York, PA	PM _{2.5}	Nonattainment	100	-	2.84	0.80	-7.81
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	4.24	1.20	-11.64
Yuma, AZ	PM ₁₀	Moderate	100	-	1.69	0.48	-4.64

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

Table B2-13
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Sulfur Dioxide (SO2) 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.00	-0.01	-0.01
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.02
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.01	-0.01	-0.02
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-2.47	-3.53	-7.45
Albuquerque, NM	CO	Maintenance	100	-	-1.14	-1.63	-3.45
Allegan County, MI	Ozone	Former Subpart 1	50	-	-0.28	-0.39	-0.83
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-1.15	-1.64	-3.46
Altoona, PA	Ozone	Maintenance	100	-	-0.22	-0.31	-0.64
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-0.30	-0.42	-0.90
Anchorage, AK	CO	Maintenance	100	-	-0.27	-0.38	-0.81
Anthony, NM	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.04
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.01	-0.01	-0.03
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.04
Atlanta, GA	Ozone	Moderate	50	-	-12.75	-18.22	-38.44
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-12.76	-18.23	-38.46
Atlantic City, NJ	CO	Maintenance	100	-	-0.10	-0.14	-0.30
Bakersfield, CA	CO	Maintenance	100	-	-3.55	-4.97	-8.34
Baltimore, MD	CO	Maintenance	100	-	-0.02	-0.03	-0.06
Baltimore, MD	Ozone	Moderate	50	-	-5.73	-8.19	-17.28
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-5.73	-8.19	-17.28
Baton Rouge, LA	Ozone	Moderate	50	-	-30.69	-42.72	-66.99
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-408.04	-567.39	-875.48
Benton County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Benton Harbor, MI	Ozone	Maintenance	100	-	-0.36	-0.51	-1.09
Benzie County, MI	Ozone	Maintenance	100	-	-0.04	-0.06	-0.13
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-0.28	-0.40	-0.85
Billings, MT	CO	Maintenance	100	-	-57.99	-80.64	-124.45
Birmingham, AL	Ozone	Maintenance	100	-	-2.05	-2.93	-6.13
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-2.06	-2.94	-6.15
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-0.62	-0.89	-1.87
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-0.62	-0.89	-1.87
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.03	-0.04	-0.09
Boston, MA	CO	Maintenance	100	-	-1.66	-2.38	-5.01
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-9.88	-14.11	-29.78
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-1.25	-1.78	-3.75
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.02	-0.03	-0.06

Table B2-13
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Sulfur Dioxide (SO2) 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-2.25	-3.22	-6.79
Burlington, NJ	CO	Maintenance	100	-	-0.02	-0.02	-0.05
Butte, MT	PM ₁₀	Moderate	100	-	-0.04	-0.06	-0.13
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.04	-0.05	-0.11
Canton-Massillon, OH	Ozone	Maintenance	100	-	-3.28	-4.58	-7.54
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-3.28	-4.58	-7.54
Case County, MI	Ozone	Maintenance	100	-	-0.09	-0.12	-0.26
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.01	-0.02	-0.04
Charleston, WV	Ozone	Maintenance	100	-	-0.55	-0.79	-1.66
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-0.55	-0.79	-1.66
Charlotte, NC	CO	Maintenance	100	-	-1.40	-2.00	-4.21
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-3.14	-4.49	-9.47
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-1.07	-1.53	-3.22
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-0.97	-1.39	-2.92
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-278.36	-387.57	-608.60
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-278.82	-388.23	-609.99
Chico, CA	CO	Maintenance	100	-	-0.20	-0.28	-0.59
Chico, CA	Ozone	Former Subpart 1	50	-	-0.46	-0.66	-1.39
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-3.82	-5.45	-11.50
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-3.71	-5.29	-11.17
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.03	-0.04	-0.08
Clark County, NV	PM ₁₀	Serious	70	-	-2.80	-4.00	-8.44
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-0.50	-0.71	-1.49
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-0.35	-0.50	-1.06
Cleveland, OH	CO	Maintenance	100	-	-1.87	-2.67	-5.64
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-5.04	-7.20	-15.19
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-4.65	-6.65	-14.03
Coachella Valley, CA	PM ₁₀	Serious	70	-	-1.17	-1.67	-3.53
Colbert County, AL	SO _x	Maintenance	100	-	-0.12	-0.17	-0.36
Colorado Springs, CO	CO	Maintenance	100	-	-1.12	-1.59	-3.36
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.03
Columbia, SC	Ozone	Former Subpart 1	50	-	-1.26	-1.80	-3.80
Columbus, OH	Ozone	Maintenance	100	-	-3.19	-4.56	-9.62

Table B2-13
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Sulfur Dioxide (SO₂) 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-2.96	-4.23	-8.92
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.01	-0.01	-0.02
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-1.87	-2.67	-5.64
Cuyahoga County, OH	SO _x	Maintenance	100	-	-1.52	-2.18	-4.59
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-13.15	-18.79	-39.64
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-1.65	-2.35	-4.96
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-1.46	-2.08	-4.39
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-35.20	-49.16	-80.39
Denver-Boulder, CO	CO	Maintenance	100	-	-34.95	-48.81	-79.65
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-36.36	-50.82	-83.89
Detroit, MI	CO	Maintenance	100	-	-12.95	-18.12	-30.51
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-22.31	-31.36	-55.64
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-22.14	-31.12	-55.14
Door County, WI	Ozone	Former Subpart 1	50	-	-0.07	-0.10	-0.21
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-0.07	-0.10	-0.21
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-0.05	-0.08	-0.16
Duluth, MN	CO	Maintenance	100	-	-0.16	-0.23	-0.49
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.02	-0.02	-0.05
East Chicago, IN	CO	Maintenance	100	-	-0.00	-0.00	-0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	-68.97	-95.92	-148.22
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.01
El Paso County, TX	PM ₁₀	Moderate	100	-	-8.81	-12.28	-19.69
El Paso, TX	CO	Maintenance	100	-	-0.06	-0.09	-0.18
Erie, PA	Ozone	Maintenance	100	-	-0.45	-0.64	-1.35
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.01
Eugene-Springfield, OR	CO	Maintenance	100	-	-0.44	-0.63	-1.33
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-0.42	-0.60	-1.27
Evansville, IN	Ozone	Maintenance	100	-	-0.49	-0.71	-1.49
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-0.64	-0.91	-1.92
Fairbanks, AK	CO	Maintenance	100	-	-0.03	-0.05	-0.10
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-0.57	-0.82	-1.72
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.04
Flint, MI	Ozone	Maintenance	100	-	-1.02	-1.45	-3.06
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Fort Collins, CO	CO	Maintenance	100	-	-0.33	-0.47	-1.00

Table B2-13
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Sulfur Dioxide (SO₂) 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	-0.71	-1.01	-2.13
Franklin County, PA	Ozone	Maintenance	100	-	-0.29	-0.42	-0.88
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	-0.25	-0.36	-0.76
Fredericksburg, VA	Ozone	Maintenance	100	-	-0.78	-1.11	-2.34
Freehold, NJ	CO	Maintenance	100	-	-0.03	-0.05	-0.10
Fresno, CA	CO	Maintenance	100	-	-1.11	-1.59	-3.36
Grand Rapids, MI	Ozone	Maintenance	100	-	-1.55	-2.22	-4.68
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-0.08	-0.12	-0.24
Grant County, NM	SO _x	Maintenance	100	-	-0.01	-0.01	-0.02
Grants Pass, OR	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.06	-0.09	-0.19
Great Falls, MT	CO	Maintenance	100	-	-0.04	-0.06	-0.12
Greater Connecticut, CT	Ozone	Moderate	50	-	-3.22	-4.59	-9.70
Greeley, CO	CO	Maintenance	100	-	-0.23	-0.34	-0.71
Green Bay, WI	SO _x	Maintenance	100	-	-0.24	-0.34	-0.71
Greene County, IN	Ozone	Maintenance	100	-	-0.09	-0.13	-0.28
Greene County, PA	Ozone	Maintenance	100	-	-0.09	-0.13	-0.27
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-3.16	-4.52	-9.53
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-1.57	-2.24	-4.73
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-1.76	-2.51	-5.31
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-0.04	-0.06	-0.13
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-0.22	-0.32	-0.67
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-1.64	-2.34	-4.94
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-1.51	-2.16	-4.56
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-2.09	-2.98	-6.30
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.02	-0.03	-0.06
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-0.07	-0.10	-0.22
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.01	-0.01	-0.03
Hazelwood, PA	SO _x	Maintenance	100	-	-0.08	-0.11	-0.24
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-0.35	-0.50	-1.06
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-0.58	-0.82	-1.73
Hollis Township, IL	SO _x	Maintenance	100	-	-0.00	-0.01	-0.01
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-129.36	-180.27	-286.71
Humphreys County, TN	SO _x	Maintenance	100	-	-0.01	-0.01	-0.02
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-7.13	-9.94	-15.81

Table B2-13
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Sulfur Dioxide (SO₂) 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
		t					
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-6.86	-9.55	-14.99
Huron County, MI	Ozone	Maintenance	100	-	-0.06	-0.08	-0.17
Imperial County, CA	Ozone	Moderate	50	-	-0.41	-0.59	-1.23
Imperial Valley, CA	PM ₁₀	Serious	70	-	-0.40	-0.57	-1.21
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-0.07	-0.09	-0.20
Indianapolis, IN	CO	Maintenance	100	-	-0.00	-0.00	-0.01
Indianapolis, IN	Ozone	Maintenance	100	-	-3.84	-5.49	-11.58
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-3.04	-4.35	-9.17
Jackson County, IN	Ozone	Maintenance	100	-	-0.15	-0.22	-0.47
Jamestown, NY	Ozone	Former Subpart 1	50	-	-0.30	-0.43	-0.91
Jefferson County, NY	Ozone	Moderate	50	-	-0.24	-0.34	-0.73
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.02	-0.02	-0.05
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-0.43	-0.61	-1.28
Johnstown, PA	Ozone	Maintenance	100	-	-0.21	-0.29	-0.62
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-0.23	-0.32	-0.68
Juneau, AK	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.06
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-0.99	-1.41	-2.97
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.06	-0.08	-0.17
Kansas City, MO-KS	Ozone	Maintenance	100	-	-3.19	-4.56	-9.62
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-0.27	-0.39	-0.83
Kent, WA	PM ₁₀	Maintenance	100	-	-0.05	-0.07	-0.14
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-0.16	-0.23	-0.48
Kewaunee County, WI	Ozone	Maintenance	100	-	-0.05	-0.07	-0.15
King County, WA	PM ₁₀	Maintenance	100	-	-0.02	-0.03	-0.06
Klamath Falls, OR	CO	Maintenance	100	-	-0.10	-0.14	-0.29
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.10	-0.14	-0.29
Knoxville, TN	Ozone	Former Subpart 1	50	-	-2.25	-3.22	-6.78
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-1.75	-2.50	-5.28
La Porte County, IN	SO _x	Maintenance	100	-	-0.07	-0.10	-0.21
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.03	-0.04	-0.09
Lake County, IN	SO _x	Maintenance	100	-	-0.60	-0.86	-1.81
Lake County, OH	SO _x	Maintenance	100	-	-0.07	-0.10	-0.21
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.04
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-0.05	-0.07	-0.16
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-0.11	-0.16	-0.34
Lake Tahoe, NV	CO	Maintenance	100	-	-0.04	-0.06	-0.12

Table B2-13
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Sulfur Dioxide (SO2) 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.02	-0.02	-0.05
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Lancaster, PA	Ozone	Maintenance	100	-	-0.87	-1.24	-2.62
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-0.87	-1.24	-2.62
Lane County, OR	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-0.93	-1.32	-2.79
LaPorte, IN	Ozone	Maintenance	100	-	-0.19	-0.28	-0.58
Las Vegas, NV	CO	Serious	100	-	-2.80	-4.00	-8.44
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-2.84	-4.06	-8.57
Lauderdale County, AL	SO _x	Maintenance	100	-	-0.17	-0.25	-0.52
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.01
Libby, MT	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.03
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.01	-0.02	-0.04
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.03	-0.04	-0.08
Lima, OH	Ozone	Maintenance	100	-	-43.48	-60.47	-93.41
Longmont, CO	CO	Maintenance	100	-	-0.17	-0.24	-0.52
Lorain County, OH	SO _x	Maintenance	100	-	-0.09	-0.13	-0.27
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-121.34	-169.82	-285.43
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	-121.34	-169.82	-285.43
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-121.34	-169.82	-285.43
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-121.34	-169.82	-285.44
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-121.34	-169.81	-285.43
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-1.31	-1.87	-3.95
Louisville, KY-IN	Ozone	Maintenance	100	-	-2.21	-3.15	-6.65
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-2.14	-3.06	-6.45
Lowell, MA	CO	Maintenance	100	-	-0.22	-0.31	-0.66
Lucas County, OH	SO _x	Maintenance	100	-	-0.59	-0.84	-1.78
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.12	-0.18	-0.37
Macon, GA	Ozone	Maintenance	100	-	-0.42	-0.59	-1.25
Macon, GA	PM _{2.5}	Nonattainment	100	-	-0.41	-0.59	-1.24
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.01	-0.01	-0.02
Madison, WI	SO _x	Maintenance	100	-	-0.46	-0.66	-1.39
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.02	-0.02	-0.05
Manchester, NH	CO	Maintenance	100	-	-0.15	-0.22	-0.46
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-0.20	-0.28	-0.60

Table B2-13
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Sulfur Dioxide (SO₂) 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Marion County, IN	SO _x	Maintenance	100	-	-0.62	-0.88	-1.86
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-0.21	-0.29	-0.62
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-0.62	-0.88	-1.86
Mason County, MI	Ozone	Maintenance	100	-	-0.05	-0.07	-0.15
Medford, OR	CO	Maintenance	100	-	-0.15	-0.21	-0.44
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-0.35	-0.50	-1.05
Memphis, TN-AR	Ozone	Maintenance	100	-	-3.57	-5.03	-9.36
Memphis, TN	CO	Maintenance	100	-	-3.41	-4.80	-8.87
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-0.06	-0.08	-0.17
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.01	-0.01	-0.03
Milwaukee, WI	SO _x	Maintenance	100	-	-1.04	-1.49	-3.14
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-3.44	-4.91	-10.37
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-14.13	-19.85	-35.10
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-5.38	-7.68	-16.21
Missoula, MT	CO	Maintenance	100	-	-0.12	-0.17	-0.36
Missoula, MT	PM ₁₀	Moderate	100	-	-0.11	-0.16	-0.34
Modesto, CA	CO	Maintenance	100	-	-0.57	-0.81	-1.72
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-0.19	-0.27	-0.58
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.01	-0.01	-0.02
Morristown, NJ	CO	Maintenance	100	-	-0.06	-0.09	-0.18
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.06	-0.08	-0.17
Muncie, IN	Ozone	Maintenance	100	-	-0.23	-0.33	-0.70
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.01	-0.01	-0.03
Muscatine County, IA	SO _x	Maintenance	100	-	-0.03	-0.04	-0.09
Muskegon, MI	Ozone	Maintenance	100	-	-0.25	-0.36	-0.75
Nashua, NH	CO	Maintenance	100	-	-0.12	-0.17	-0.37
Nashville, TN	Ozone	Former Subpart 1	50	-	-3.13	-4.47	-9.43
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-0.25	-0.36	-0.76
New Haven County, CT	PM ₁₀	Maintenance	100	-	-0.26	-0.38	-0.79
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-1.54	-2.20	-4.64
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.01	-0.02	-0.04
New York County, NY	PM ₁₀	Moderate	100	-	-0.91	-1.29	-2.73
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-22.97	-32.52	-62.54
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-38.14	-54.13	-106.87
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-37.90	-53.79	-106.15
Nogales, AZ	PM ₁₀	Moderate	100	-	-0.08	-0.11	-0.24

Table B2-13
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Sulfur Dioxide (SO₂) 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-20.79	-29.02	-47.22
Ogden, UT	CO	Maintenance	100	-	-0.14	-0.20	-0.41
Ogden, UT	PM ₁₀	Moderate	100	-	-0.14	-0.20	-0.41
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.01
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.04	-0.06	-0.13
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-0.20	-0.29	-0.61
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.01	-0.01	-0.02
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-0.29	-0.41	-0.86
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.29	-0.41	-0.86
Payson, AZ	PM ₁₀	Maintenance	100	-	-0.04	-0.05	-0.11
Penns Grove, NJ	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	-0.20	-0.28	-0.59
Perth Amboy, NJ	CO	Maintenance	100	-	-1.76	-2.45	-3.89
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-0.78	-1.11	-2.34
Phildelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-73.95	-103.16	-166.08
Phildelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-77.99	-108.92	-178.24
Phoenix, AZ	CO	Maintenance	100	-	-8.49	-12.13	-25.59
Phoenix, AZ	PM ₁₀	Serious	70	-	-8.76	-12.51	-26.41
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-8.79	-12.56	-26.50
Pierce County, WA	PM ₁₀	Maintenance	100	-	-0.02	-0.03	-0.06
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Pittsburgh, PA	CO	Maintenance	100	-	-0.04	-0.06	-0.13
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-3.98	-5.68	-11.95
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-3.64	-5.19	-10.93
Polk County, TN	SO _x	Maintenance	100	-	-0.04	-0.06	-0.12
Polson, MT	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.02
Portland, ME	Ozone	Maintenance	100	-	-1.09	-1.55	-3.27
Portland, OR	CO	Maintenance	100	-	-2.43	-3.46	-7.16
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.09	-0.12	-0.26
Poughkeepsie, NY	Ozone	Moderate	50	-	-2.57	-3.66	-7.73
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.02	-0.03	-0.06
Providence (entire State), RI	Ozone	Moderate	50	-	-1.89	-2.70	-5.71
Provo, UT	CO	Maintenance	100	-	-0.31	-0.44	-0.92
Raleigh-Durham, NC	CO	Maintenance	100	-	-2.47	-3.53	-7.44
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-3.37	-4.81	-10.16
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.01
Reading, PA	Ozone	Maintenance	100	-	-0.65	-0.93	-1.95

Table B2-13
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Sulfur Dioxide (SO₂) 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Reading, PA	PM _{2.5}	Nonattainment	100	-	-0.65	-0.93	-1.95
Reno, NV	CO	Maintenance	100	-	-0.47	-0.68	-1.43
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-2.38	-3.40	-7.17
Rillito, AZ	PM ₁₀	Moderate	100	-	-0.09	-0.13	-0.27
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-1.17	-1.67	-3.53
Roanoke, VA	Ozone	Former Subpart 1	50	-	-0.51	-0.73	-1.55
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-0.15	-0.22	-0.46
Rochester, NY	Ozone	Former Subpart 1	50	-	-2.60	-3.72	-7.84
Rocky Mount, NC	Ozone	Maintenance	100	-	-0.36	-0.52	-1.10
Rome, GA	PM _{2.5}	Nonattainment	100	-	-0.23	-0.33	-0.71
Ronan, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.00	-0.01	-0.01
Sacramento County, CA	PM ₁₀	Moderate	100	-	-2.76	-3.95	-8.33
Sacramento Metro, CA	Ozone	Severe	25	-	-4.92	-7.03	-14.84
Sacramento, CA	CO	Maintenance	100	-	-3.07	-4.39	-9.26
Salem, OR	CO	Maintenance	100	-	-0.26	-0.37	-0.77
Salt Lake City, UT	CO	Maintenance	100	-	-1.71	-2.39	-4.01
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-3.28	-4.63	-8.75
Salt Lake County, UT	SO _x	Nonattainment	100	-	-1.98	-2.82	-5.96
San Antonio, TX	Ozone	Former Subpart 1	50	-	-3.55	-5.07	-10.71
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-0.81	-1.16	-2.45
San Diego, CA	CO	Maintenance	100	-	-7.74	-11.06	-23.34
San Diego, CA	Ozone	Former Subpart 1	50	-	-7.76	-11.08	-23.38
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-271.13	-377.46	-591.83
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-272.77	-379.79	-596.76
San Joaquin Valley, CA	Ozone	Extreme	10	-	-11.15	-15.83	-31.25
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-11.19	-15.88	-31.37
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-11.15	-15.83	-31.25
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-0.06	-0.09	-0.19
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-1.30	-1.86	-3.92
Seattle-Tacoma, WA	CO	Maintenance	100	-	-5.70	-8.13	-17.17
Sheboygan, WI	Ozone	Moderate	50	-	-0.23	-0.33	-0.69
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.04	-0.06	-0.13
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00

Table B2-13
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Sulfur Dioxide (SO2) 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Somerville, NJ	CO	Maintenance	100	-	-0.03	-0.05	-0.10
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-0.88	-1.26	-2.65
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-0.35	-0.51	-1.07
Spokane County, WA	PM ₁₀	Maintenance	100	-	-0.57	-0.81	-1.71
Spokane, WA	CO	Maintenance	100	-	-0.56	-0.80	-1.69
Springfield (western MA), MA	Ozone	Moderate	50	-	-1.74	-2.48	-5.23
Springfield, MA	CO	Maintenance	100	-	-0.28	-0.40	-0.84
St Louis, MO	CO	Maintenance	100	-	-1.85	-2.64	-5.56
St Louis, MO-IL	Ozone	Moderate	50	-	-227.10	-315.99	-491.94
St. Louis, MO-IL	PM _{2,5}	Nonattainment	100	-	-227.06	-315.93	-491.82
State College, PA	Ozone	Maintenance	100	-	-0.33	-0.46	-0.98
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.03	-0.05	-0.10
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.09	-0.12	-0.26
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-2.09	-2.91	-4.65
Steubenville-Weirton, OH-WV	PM _{2,5}	Nonattainment	100	-	-2.09	-2.91	-4.65
Stockton, CA	CO	Maintenance	100	-	-0.86	-1.23	-2.59
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-1.01	-1.44	-3.04
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Terre Haute, IN	Ozone	Maintenance	100	-	-0.26	-0.38	-0.79
Tioga County, PA	Ozone	Maintenance	100	-	-0.11	-0.16	-0.34
Toledo, OH	Ozone	Maintenance	100	-	-13.30	-18.54	-29.46
Toms River, NJ	CO	Maintenance	100	-	-0.19	-0.27	-0.56
Tooele County, UT	SO _x	Nonattainment	100	-	-0.19	-0.28	-0.58
Trenton, NJ	CO	Maintenance	100	-	-0.17	-0.24	-0.52
Trona, CA	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.02
Tucson, AZ	CO	Maintenance	100	-	-1.88	-2.69	-5.68
Utah County, UT	PM ₁₀	Moderate	100	-	-0.92	-1.31	-2.77
Vancouver, WA	CO	Maintenance	100	-	-0.58	-0.83	-1.75
Ventura County, CA	Ozone	Serious	50	-	-1.70	-2.42	-5.00
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.04
Vigo County, IN	SO _x	Maintenance	100	-	-0.26	-0.38	-0.79
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-0.11	-0.16	-0.33
Warren County, NJ	SO _x	Maintenance	100	-	-0.07	-0.10	-0.21
Warren County, PA	SO _x	Nonattainment	100	-	-0.03	-0.04	-0.09
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-0.41	-0.59	-1.25
Washington, DC-MD-VA	CO	Maintenance	100	-	-3.03	-4.32	-9.12

Table B2-13
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative Sulfur Dioxide (SO₂) 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-10.26	-14.66	-30.94
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-10.05	-14.36	-30.31
Washoe County, NV	PM ₁₀	Serious	70	-	-0.47	-0.68	-1.43
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.01	-0.01	-0.02
Wayne County, IN	SO _x	Maintenance	100	-	-0.14	-0.21	-0.43
Wayne County, MI	PM ₁₀	Maintenance	100	-	-4.43	-6.17	-9.63
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.02	-0.03	-0.06
Weirton, WV	SO _x	Maintenance	100	-	-0.03	-0.04	-0.08
Wheeling, WV-OH	Ozone	Maintenance	100	-	-0.30	-0.43	-0.90
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.30	-0.43	-0.90
Winston-Salem, NC	CO	Maintenance	100	-	-0.79	-1.13	-2.39
Worcester, MA	CO	Maintenance	100	-	-0.41	-0.59	-1.25
Yakima County, WA	PM ₁₀	Maintenance	100	-	-0.18	-0.26	-0.54
Yakima, WA	CO	Maintenance	100	-	-0.07	-0.10	-0.22
York, PA	Ozone	Maintenance	100	-	-0.85	-1.22	-2.57
York, PA	PM _{2.5}	Nonattainment	100	-	-0.66	-0.95	-2.00
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-1.27	-1.81	-3.83
Yuma, AZ	PM ₁₀	Moderate	100	-	-0.35	-0.50	-1.05

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

Table B2-14
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.01	-0.01	-0.03
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.05
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.02	-0.03	-0.06
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-5.91	-9.49	-16.97
Albuquerque, NM	CO	Maintenance	100	-	-2.72	-4.38	-7.82
Allegan County, MI	Ozone	Former Subpart 1	50	-	-0.67	-1.08	-1.93
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-2.74	-4.40	-7.87
Altoona, PA	Ozone	Maintenance	100	-	-0.51	-0.80	-1.38
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-0.77	-1.23	-2.21
Anchorage, AK	CO	Maintenance	100	-	-0.66	-1.06	-1.89
Anthony, NM	PM ₁₀	Moderate	100	-	-0.03	-0.06	-0.10
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.02	-0.04	-0.07
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.03	-0.05	-0.09
Atlanta, GA	Ozone	Moderate	50	-	-30.95	-49.76	-88.93
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-30.96	-49.78	-88.98
Atlantic City, NJ	CO	Maintenance	100	-	-0.24	-0.38	-0.68
Bakersfield, CA	CO	Maintenance	100	-	-8.44	-12.00	-10.89
Baltimore, MD	CO	Maintenance	100	-	-0.05	-0.08	-0.13
Baltimore, MD	Ozone	Moderate	50	-	-13.81	-22.21	-39.69
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-13.81	-22.21	-39.69
Baton Rouge, LA	Ozone	Moderate	50	-	-72.31	-99.42	-63.65
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-960.88	-1,310.90	-758.04
Benton County, TN	SO _x	Maintenance	100	-	-0.01	-0.01	-0.02
Benton Harbor, MI	Ozone	Maintenance	100	-	-0.83	-1.34	-2.39
Benzie County, MI	Ozone	Maintenance	100	-	-0.11	-0.17	-0.30
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-0.68	-1.09	-1.95
Billings, MT	CO	Maintenance	100	-	-136.57	-186.33	-107.89
Birmingham, AL	Ozone	Maintenance	100	-	-4.83	-7.74	-13.58
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-4.85	-7.76	-13.62
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-1.50	-2.42	-4.32
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-1.50	-2.42	-4.32
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.08	-0.12	-0.22
Boston, MA	CO	Maintenance	100	-	-3.94	-6.33	-11.32
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-23.59	-37.92	-67.78
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-3.00	-4.83	-8.63
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.04	-0.07	-0.13

Table B2-14
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-5.33	-8.56	-15.30
Burlington, NJ	CO	Maintenance	100	-	-0.04	-0.06	-0.11
Butte, MT	PM ₁₀	Moderate	100	-	-0.10	-0.15	-0.28
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.09	-0.14	-0.26
Canton-Massillon, OH	Ozone	Maintenance	100	-	-7.72	-10.86	-8.90
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-7.72	-10.86	-8.90
Case County, MI	Ozone	Maintenance	100	-	-0.20	-0.32	-0.58
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.00	-0.01	-0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.03	-0.05	-0.08
Charleston, WV	Ozone	Maintenance	100	-	-1.28	-2.05	-3.67
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-1.28	-2.05	-3.67
Charlotte, NC	CO	Maintenance	100	-	-3.40	-5.47	-9.78
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-7.61	-12.23	-21.87
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-2.53	-4.06	-7.25
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-2.30	-3.70	-6.60
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-656.17	-902.85	-583.18
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-657.28	-904.63	-586.37
Chico, CA	CO	Maintenance	100	-	-0.50	-0.81	-1.44
Chico, CA	Ozone	Former Subpart 1	50	-	-1.16	-1.86	-3.33
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-9.10	-14.64	-26.16
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-8.84	-14.21	-25.40
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.06	-0.10	-0.18
Clark County, NV	PM ₁₀	Serious	70	-	-6.94	-11.16	-19.95
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-1.20	-1.93	-3.45
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-0.83	-1.34	-2.39
Cleveland, OH	CO	Maintenance	100	-	-4.32	-6.94	-12.41
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-11.88	-19.10	-34.15
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-10.96	-17.62	-31.49
Coachella Valley, CA	PM ₁₀	Serious	70	-	-2.96	-4.76	-8.50
Colbert County, AL	SO _x	Maintenance	100	-	-0.28	-0.44	-0.79
Colorado Springs, CO	CO	Maintenance	100	-	-2.73	-4.39	-7.85
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.03	-0.04	-0.07
Columbia, SC	Ozone	Former Subpart 1	50	-	-3.01	-4.83	-8.64
Columbus, OH	Ozone	Maintenance	100	-	-7.77	-12.49	-22.32

Table B2-14
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-7.20	-11.58	-20.70
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.02	-0.02	-0.04
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-4.32	-6.94	-12.41
Cuyahoga County, OH	SO _x	Maintenance	100	-	-3.53	-5.68	-10.15
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-32.23	-51.81	-92.60
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-3.86	-6.20	-11.08
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-3.41	-5.48	-9.80
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-83.36	-117.05	-94.24
Denver-Boulder, CO	CO	Maintenance	100	-	-82.76	-116.09	-92.52
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-86.20	-121.61	-102.39
Detroit, MI	CO	Maintenance	100	-	-30.22	-43.01	-39.05
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-52.76	-77.16	-86.03
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-52.36	-76.52	-84.89
Door County, WI	Ozone	Former Subpart 1	50	-	-0.17	-0.27	-0.49
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-0.16	-0.26	-0.47
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-0.13	-0.21	-0.37
Duluth, MN	CO	Maintenance	100	-	-0.38	-0.60	-1.08
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.04	-0.06	-0.11
East Chicago, IN	CO	Maintenance	100	-	-0.00	-0.01	-0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	-162.42	-221.74	-129.46
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.00	-0.01	-0.01
El Paso County, TX	PM ₁₀	Moderate	100	-	-20.79	-28.90	-21.01
El Paso, TX	CO	Maintenance	100	-	-0.14	-0.23	-0.42
Erie, PA	Ozone	Maintenance	100	-	-1.05	-1.69	-3.02
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.01	-0.01	-0.02
Eugene-Springfield, OR	CO	Maintenance	100	-	-1.06	-1.71	-3.06
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-1.02	-1.63	-2.92
Evansville, IN	Ozone	Maintenance	100	-	-1.17	-1.88	-3.36
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-1.50	-2.42	-4.32
Fairbanks, AK	CO	Maintenance	100	-	-0.08	-0.13	-0.23
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-1.36	-2.19	-3.91
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.03	-0.05	-0.10
Flint, MI	Ozone	Maintenance	100	-	-2.40	-3.85	-6.89
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.02
Fort Collins, CO	CO	Maintenance	100	-	-0.82	-1.31	-2.35

Table B2-14
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	-1.68	-2.71	-4.84
Franklin County, PA	Ozone	Maintenance	100	-	-0.70	-1.13	-2.02
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.00	-0.01	-0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	-0.60	-0.97	-1.73
Fredericksburg, VA	Ozone	Maintenance	100	-	-1.92	-3.08	-5.51
Freehold, NJ	CO	Maintenance	100	-	-0.08	-0.13	-0.23
Fresno, CA	CO	Maintenance	100	-	-2.73	-4.38	-7.83
Grand Rapids, MI	Ozone	Maintenance	100	-	-3.75	-6.03	-10.78
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-0.19	-0.30	-0.54
Grant County, NM	SO _x	Maintenance	100	-	-0.01	-0.02	-0.04
Grants Pass, OR	CO	Maintenance	100	-	-0.00	-0.00	-0.01
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.15	-0.24	-0.44
Great Falls, MT	CO	Maintenance	100	-	-0.09	-0.14	-0.26
Greater Connecticut, CT	Ozone	Moderate	50	-	-7.59	-12.20	-21.81
Greeley, CO	CO	Maintenance	100	-	-0.57	-0.92	-1.64
Green Bay, WI	SO _x	Maintenance	100	-	-0.57	-0.91	-1.63
Greene County, IN	Ozone	Maintenance	100	-	-0.22	-0.36	-0.64
Greene County, PA	Ozone	Maintenance	100	-	-0.21	-0.34	-0.60
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-7.49	-12.05	-21.53
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-3.70	-5.96	-10.65
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-4.14	-6.66	-11.90
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-0.10	-0.17	-0.30
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-0.53	-0.85	-1.53
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-3.95	-6.35	-11.36
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-3.65	-5.86	-10.48
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-4.91	-7.89	-14.11
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.05	-0.07	-0.13
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-0.18	-0.29	-0.52
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.02	-0.04	-0.07
Hazelwood, PA	SO _x	Maintenance	100	-	-0.19	-0.30	-0.53
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-0.82	-1.32	-2.36
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-1.35	-2.18	-3.89
Hollis Township, IL	SO _x	Maintenance	100	-	-0.01	-0.02	-0.03
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-305.22	-422.61	-293.86
Humphreys County, TN	SO _x	Maintenance	100	-	-0.01	-0.02	-0.04
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-16.78	-23.22	-16.09

Table B2-14
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
		t					
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-16.14	-22.19	-14.25
Huron County, MI	Ozone	Maintenance	100	-	-0.13	-0.21	-0.38
Imperial County, CA	Ozone	Moderate	50	-	-1.01	-1.63	-2.91
Imperial Valley, CA	PM ₁₀	Serious	70	-	-0.99	-1.59	-2.85
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-0.15	-0.25	-0.44
Indianapolis, IN	CO	Maintenance	100	-	-0.00	-0.01	-0.01
Indianapolis, IN	Ozone	Maintenance	100	-	-9.26	-14.88	-26.60
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-7.34	-11.80	-21.08
Jackson County, IN	Ozone	Maintenance	100	-	-0.37	-0.59	-1.05
Jamestown, NY	Ozone	Former Subpart 1	50	-	-0.72	-1.15	-2.06
Jefferson County, NY	Ozone	Moderate	50	-	-0.57	-0.92	-1.64
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.04	-0.06	-0.10
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-1.00	-1.61	-2.87
Johnstown, PA	Ozone	Maintenance	100	-	-0.47	-0.75	-1.34
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-0.51	-0.82	-1.47
Juneau, AK	PM ₁₀	Moderate	100	-	-0.05	-0.08	-0.14
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-2.33	-3.74	-6.69
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.14	-0.22	-0.39
Kansas City, MO-KS	Ozone	Maintenance	100	-	-7.70	-12.38	-22.12
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-0.66	-1.07	-1.90
Kent, WA	PM ₁₀	Maintenance	100	-	-0.12	-0.19	-0.33
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-0.38	-0.61	-1.10
Kewaunee County, WI	Ozone	Maintenance	100	-	-0.11	-0.18	-0.33
King County, WA	PM ₁₀	Maintenance	100	-	-0.05	-0.08	-0.14
Klamath Falls, OR	CO	Maintenance	100	-	-0.23	-0.37	-0.66
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.23	-0.37	-0.66
Knoxville, TN	Ozone	Former Subpart 1	50	-	-5.49	-8.83	-15.78
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-4.25	-6.83	-12.21
La Porte County, IN	SO _x	Maintenance	100	-	-0.16	-0.26	-0.46
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.07	-0.11	-0.20
Lake County, IN	SO _x	Maintenance	100	-	-1.40	-2.26	-4.03
Lake County, OH	SO _x	Maintenance	100	-	-0.16	-0.26	-0.47
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.03	-0.05	-0.08
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-0.14	-0.22	-0.39
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-0.29	-0.47	-0.83
Lake Tahoe, NV	CO	Maintenance	100	-	-0.09	-0.15	-0.27

Table B2-14
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.04	-0.07	-0.12
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.02
Lancaster, PA	Ozone	Maintenance	100	-	-2.08	-3.34	-5.98
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-2.08	-3.34	-5.98
Lane County, OR	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.02
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-2.20	-3.54	-6.32
LaPorte, IN	Ozone	Maintenance	100	-	-0.45	-0.72	-1.29
Las Vegas, NV	CO	Serious	100	-	-6.94	-11.16	-19.95
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-7.05	-11.33	-20.25
Lauderdale County, AL	SO _x	Maintenance	100	-	-0.41	-0.65	-1.16
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.01	-0.01	-0.02
Libby, MT	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.06
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.03	-0.04	-0.08
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.06	-0.10	-0.18
Lima, OH	Ozone	Maintenance	100	-	-102.40	-139.77	-81.42
Longmont, CO	CO	Maintenance	100	-	-0.42	-0.68	-1.21
Lorain County, OH	SO _x	Maintenance	100	-	-0.21	-0.34	-0.61
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-287.81	-409.71	-373.21
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	-287.81	-409.71	-373.21
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-287.81	-409.71	-373.21
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-287.81	-409.71	-373.21
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-287.80	-409.71	-373.20
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-3.19	-5.14	-9.18
Louisville, KY-IN	Ozone	Maintenance	100	-	-5.21	-8.37	-14.96
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-5.04	-8.10	-14.47
Lowell, MA	CO	Maintenance	100	-	-0.52	-0.84	-1.51
Lucas County, OH	SO _x	Maintenance	100	-	-1.38	-2.21	-3.96
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.29	-0.46	-0.82
Macon, GA	Ozone	Maintenance	100	-	-0.97	-1.55	-2.78
Macon, GA	PM _{2.5}	Nonattainment	100	-	-0.96	-1.54	-2.75
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.01	-0.02	-0.04
Madison, WI	SO _x	Maintenance	100	-	-1.13	-1.82	-3.25
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.04	-0.07	-0.13
Manchester, NH	CO	Maintenance	100	-	-0.36	-0.57	-1.02
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-0.47	-0.75	-1.34

Table B2-14
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Marion County, IN	SO _x	Maintenance	100	-	-1.44	-2.32	-4.15
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-0.52	-0.84	-1.50
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-1.47	-2.37	-4.23
Mason County, MI	Ozone	Maintenance	100	-	-0.12	-0.20	-0.35
Medford, OR	CO	Maintenance	100	-	-0.36	-0.58	-1.04
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-0.86	-1.38	-2.47
Memphis, TN-AR	Ozone	Maintenance	100	-	-8.37	-12.53	-16.18
Memphis, TN	CO	Maintenance	100	-	-8.00	-11.94	-15.12
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-0.14	-0.22	-0.39
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.02	-0.04	-0.07
Milwaukee, WI	SO _x	Maintenance	100	-	-2.44	-3.92	-7.00
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-8.22	-13.21	-23.61
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-33.55	-49.01	-54.14
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-12.94	-20.80	-37.18
Missoula, MT	CO	Maintenance	100	-	-0.28	-0.46	-0.81
Missoula, MT	PM ₁₀	Moderate	100	-	-0.27	-0.44	-0.79
Modesto, CA	CO	Maintenance	100	-	-1.43	-2.30	-4.10
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-0.48	-0.77	-1.38
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.02
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.02	-0.02	-0.04
Morristown, NJ	CO	Maintenance	100	-	-0.15	-0.24	-0.43
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.13	-0.22	-0.38
Muncie, IN	Ozone	Maintenance	100	-	-0.53	-0.86	-1.53
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.02	-0.03	-0.06
Muscatine County, IA	SO _x	Maintenance	100	-	-0.07	-0.11	-0.20
Muskegon, MI	Ozone	Maintenance	100	-	-0.60	-0.96	-1.72
Nashua, NH	CO	Maintenance	100	-	-0.28	-0.46	-0.82
Nashville, TN	Ozone	Former Subpart 1	50	-	-7.56	-12.16	-21.73
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-0.65	-1.05	-1.87
New Haven County, CT	PM ₁₀	Maintenance	100	-	-0.64	-1.03	-1.84
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-3.63	-5.83	-10.42
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.03	-0.04	-0.08
New York County, NY	PM ₁₀	Moderate	100	-	-2.10	-3.38	-6.05
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-54.23	-82.77	-117.97
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-90.48	-140.12	-214.22
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-89.90	-139.19	-212.55
Nogales, AZ	PM ₁₀	Moderate	100	-	-0.19	-0.30	-0.54

Table B2-14
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-49.00	-68.59	-53.62
Ogden, UT	CO	Maintenance	100	-	-0.32	-0.52	-0.93
Ogden, UT	PM ₁₀	Moderate	100	-	-0.32	-0.52	-0.93
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.03
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.10	-0.16	-0.28
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-0.50	-0.80	-1.42
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.02	-0.03	-0.05
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-0.67	-1.08	-1.92
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.67	-1.08	-1.94
Payson, AZ	PM ₁₀	Maintenance	100	-	-0.09	-0.14	-0.26
Penns Grove, NJ	CO	Maintenance	100	-	-0.00	-0.00	-0.01
Peoria, IL	SO _x	Maintenance	100	-	-0.46	-0.74	-1.32
Perth Amboy, NJ	CO	Maintenance	100	-	-4.15	-5.75	-4.01
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-1.80	-2.89	-5.17
Phildelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-174.24	-242.63	-179.52
Phildelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-183.85	-258.07	-207.12
Phoenix, AZ	CO	Maintenance	100	-	-21.76	-34.98	-62.53
Phoenix, AZ	PM ₁₀	Serious	70	-	-22.42	-36.05	-64.43
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-22.50	-36.17	-64.65
Pierce County, WA	PM ₁₀	Maintenance	100	-	-0.05	-0.08	-0.14
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.02
Pittsburgh, PA	CO	Maintenance	100	-	-0.11	-0.17	-0.31
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-9.34	-15.00	-26.63
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-8.55	-13.71	-24.34
Polk County, TN	SO _x	Maintenance	100	-	-0.10	-0.16	-0.28
Polson, MT	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.04
Portland, ME	Ozone	Maintenance	100	-	-2.59	-4.16	-7.44
Portland, OR	CO	Maintenance	100	-	-5.75	-9.15	-15.68
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.20	-0.33	-0.58
Poughkeepsie, NY	Ozone	Moderate	50	-	-6.31	-10.14	-18.12
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.04	-0.07	-0.12
Providence (entire State), RI	Ozone	Moderate	50	-	-4.54	-7.30	-13.05
Provo, UT	CO	Maintenance	100	-	-0.75	-1.21	-2.16
Raleigh-Durham, NC	CO	Maintenance	100	-	-6.02	-9.69	-17.31
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-8.21	-13.21	-23.60
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.03
Reading, PA	Ozone	Maintenance	100	-	-1.54	-2.47	-4.42

Table B2-14
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Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Reading, PA	PM _{2.5}	Nonattainment	100	-	-1.54	-2.47	-4.42
Reno, NV	CO	Maintenance	100	-	-1.13	-1.81	-3.24
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.00	-0.01	-0.01
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-5.65	-9.08	-16.24
Rillito, AZ	PM ₁₀	Moderate	100	-	-0.23	-0.36	-0.65
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-2.96	-4.76	-8.50
Roanoke, VA	Ozone	Former Subpart 1	50	-	-1.21	-1.94	-3.47
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-0.37	-0.60	-1.06
Rochester, NY	Ozone	Former Subpart 1	50	-	-6.17	-9.93	-17.74
Rocky Mount, NC	Ozone	Maintenance	100	-	-0.86	-1.38	-2.46
Rome, GA	PM _{2.5}	Nonattainment	100	-	-0.55	-0.89	-1.59
Ronan, MT	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.02
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.01	-0.02	-0.03
Sacramento County, CA	PM ₁₀	Moderate	100	-	-6.91	-11.10	-19.85
Sacramento Metro, CA	Ozone	Severe	25	-	-12.42	-19.97	-35.69
Sacramento, CA	CO	Maintenance	100	-	-7.71	-12.39	-22.15
Salem, OR	CO	Maintenance	100	-	-0.60	-0.97	-1.74
Salt Lake City, UT	CO	Maintenance	100	-	-4.04	-5.75	-5.22
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-7.81	-11.82	-16.06
Salt Lake County, UT	SO _x	Nonattainment	100	-	-4.75	-7.64	-13.66
San Antonio, TX	Ozone	Former Subpart 1	50	-	-8.58	-13.80	-24.65
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-1.99	-3.19	-5.71
San Diego, CA	CO	Maintenance	100	-	-19.19	-30.85	-55.13
San Diego, CA	Ozone	Former Subpart 1	50	-	-19.22	-30.90	-55.24
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-639.50	-879.36	-563.70
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-643.43	-885.68	-575.00
San Joaquin Valley, CA	Ozone	Extreme	10	-	-27.40	-42.50	-65.39
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-27.49	-42.64	-65.64
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-27.40	-42.50	-65.39
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-0.16	-0.25	-0.45
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-3.09	-4.96	-8.87
Seattle-Tacoma, WA	CO	Maintenance	100	-	-13.79	-22.18	-39.64
Sheboygan, WI	Ozone	Moderate	50	-	-0.55	-0.88	-1.58
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.10	-0.16	-0.29
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Somerville, NJ	CO	Maintenance	100	-	-0.08	-0.13	-0.23
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-2.08	-3.35	-5.99
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-0.81	-1.29	-2.31
Spokane County, WA	PM ₁₀	Maintenance	100	-	-1.37	-2.20	-3.94
Spokane, WA	CO	Maintenance	100	-	-1.36	-2.18	-3.90
Springfield (western MA), MA	Ozone	Moderate	50	-	-4.12	-6.62	-11.83
Springfield, MA	CO	Maintenance	100	-	-0.66	-1.07	-1.91
St Louis, MO	CO	Maintenance	100	-	-4.23	-6.79	-12.14
St Louis, MO-IL	Ozone	Moderate	50	-	-534.74	-732.60	-448.22
St. Louis, MO-IL	PM _{2,5}	Nonattainment	100	-	-534.65	-732.46	-447.97
State College, PA	Ozone	Maintenance	100	-	-0.79	-1.27	-2.26
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.09	-0.14	-0.24
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.20	-0.32	-0.57
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-4.91	-6.81	-4.78
Steubenville-Weirton, OH-WV	PM _{2,5}	Nonattainment	100	-	-4.91	-6.81	-4.78
Stockton, CA	CO	Maintenance	100	-	-2.15	-3.45	-6.17
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-2.37	-3.81	-6.80
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.02
Terre Haute, IN	Ozone	Maintenance	100	-	-0.61	-0.98	-1.74
Tioga County, PA	Ozone	Maintenance	100	-	-0.26	-0.42	-0.75
Toledo, OH	Ozone	Maintenance	100	-	-31.32	-43.33	-29.87
Toms River, NJ	CO	Maintenance	100	-	-0.46	-0.74	-1.32
Tooele County, UT	SO _x	Nonattainment	100	-	-0.47	-0.75	-1.34
Trenton, NJ	CO	Maintenance	100	-	-0.41	-0.66	-1.17
Trona, CA	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.04
Tucson, AZ	CO	Maintenance	100	-	-4.59	-7.37	-13.18
Utah County, UT	PM ₁₀	Moderate	100	-	-2.24	-3.60	-6.43
Vancouver, WA	CO	Maintenance	100	-	-1.43	-2.31	-4.12
Ventura County, CA	Ozone	Serious	50	-	-4.20	-6.67	-11.40
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.03	-0.05	-0.10
Vigo County, IN	SO _x	Maintenance	100	-	-0.61	-0.98	-1.74
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-0.26	-0.42	-0.75
Warren County, NJ	SO _x	Maintenance	100	-	-0.17	-0.27	-0.48
Warren County, PA	SO _x	Nonattainment	100	-	-0.07	-0.11	-0.19
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-0.98	-1.58	-2.82
Washington, DC-MD-VA	CO	Maintenance	100	-	-7.22	-11.61	-20.75

Table B2-14
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-24.91	-40.05	-71.59
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-24.39	-39.22	-70.09
Washoe County, NV	PM ₁₀	Serious	70	-	-1.13	-1.81	-3.24
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.02	-0.03	-0.05
Wayne County, IN	SO _x	Maintenance	100	-	-0.33	-0.53	-0.95
Wayne County, MI	PM ₁₀	Maintenance	100	-	-10.50	-14.40	-8.95
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.04	-0.07	-0.13
Weirton, WV	SO _x	Maintenance	100	-	-0.06	-0.09	-0.17
Wheeling, WV-OH	Ozone	Maintenance	100	-	-0.69	-1.11	-1.98
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.69	-1.11	-1.98
Winston-Salem, NC	CO	Maintenance	100	-	-1.90	-3.05	-5.45
Worcester, MA	CO	Maintenance	100	-	-1.00	-1.61	-2.89
Yakima County, WA	PM ₁₀	Maintenance	100	-	-0.43	-0.69	-1.23
Yakima, WA	CO	Maintenance	100	-	-0.18	-0.28	-0.51
York, PA	Ozone	Maintenance	100	-	-2.05	-3.30	-5.90
York, PA	PM _{2.5}	Nonattainment	100	-	-1.60	-2.57	-4.59
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-2.94	-4.73	-8.46
Yuma, AZ	PM ₁₀	Moderate	100	-	-0.86	-1.38	-2.46

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

Table B2-15
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.03	-0.04	-0.06
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.06	-0.10	-0.15
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.07	-0.10	-0.15
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-19.52	-30.25	-45.33
Albuquerque, NM	CO	Maintenance	100	-	-8.88	-13.76	-20.62
Allegan County, MI	Ozone	Former Subpart 1	50	-	-2.36	-3.66	-5.48
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-9.01	-13.96	-20.92
Altoona, PA	Ozone	Maintenance	100	-	-1.55	-2.35	-3.32
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-3.07	-4.76	-7.14
Anchorage, AK	CO	Maintenance	100	-	-2.30	-3.57	-5.35
Anthony, NM	PM ₁₀	Moderate	100	-	-0.11	-0.17	-0.26
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.07	-0.11	-0.17
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.11	-0.17	-0.26
Atlanta, GA	Ozone	Moderate	50	-	-106.71	-165.40	-247.83
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-106.76	-165.47	-247.93
Atlantic City, NJ	CO	Maintenance	100	-	-0.75	-1.17	-1.75
Bakersfield, CA	CO	Maintenance	100	-	-28.41	-34.73	-15.68
Baltimore, MD	CO	Maintenance	100	-	-0.15	-0.23	-0.34
Baltimore, MD	Ozone	Moderate	50	-	-46.72	-72.41	-108.49
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-46.71	-72.40	-108.49
Baton Rouge, LA	Ozone	Moderate	50	-	-240.52	-272.37	-15.63
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-3,197.17	-3,559.81	120.09
Benton County, TN	SO _x	Maintenance	100	-	-0.02	-0.03	-0.04
Benton Harbor, MI	Ozone	Maintenance	100	-	-2.48	-3.85	-5.77
Benzie County, MI	Ozone	Maintenance	100	-	-0.39	-0.61	-0.91
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-2.30	-3.57	-5.35
Billings, MT	CO	Maintenance	100	-	-454.43	-506.09	16.42
Birmingham, AL	Ozone	Maintenance	100	-	-15.36	-23.58	-34.47
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-15.41	-23.66	-34.59
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-5.16	-7.99	-11.98
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-5.16	-7.99	-11.98
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.28	-0.44	-0.66
Boston, MA	CO	Maintenance	100	-	-12.72	-19.72	-29.54
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-77.78	-120.55	-180.62
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-10.17	-15.77	-23.62
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.14	-0.21	-0.32

Table B2-15
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-17.03	-26.40	-39.56
Burlington, NJ	CO	Maintenance	100	-	-0.10	-0.16	-0.24
Butte, MT	PM ₁₀	Moderate	100	-	-0.28	-0.43	-0.65
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.32	-0.50	-0.75
Canton-Massillon, OH	Ozone	Maintenance	100	-	-25.41	-30.12	-8.96
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-25.41	-30.12	-8.96
Case County, MI	Ozone	Maintenance	100	-	-0.64	-0.99	-1.49
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.01	-0.02	-0.03
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.08	-0.13	-0.19
Charleston, WV	Ozone	Maintenance	100	-	-3.85	-5.97	-8.95
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-3.85	-5.97	-8.95
Charlotte, NC	CO	Maintenance	100	-	-11.82	-18.32	-27.45
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-26.10	-40.45	-60.61
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-8.08	-12.51	-18.72
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-7.43	-11.50	-17.20
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-2,184.58	-2,478.57	-167.76
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-2,188.29	-2,484.33	-176.39
Chico, CA	CO	Maintenance	100	-	-1.97	-3.06	-4.59
Chico, CA	Ozone	Former Subpart 1	50	-	-4.34	-6.73	-10.08
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-29.98	-46.46	-69.62
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-29.05	-45.03	-67.47
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.18	-0.29	-0.43
Clark County, NV	PM ₁₀	Serious	70	-	-25.31	-39.23	-58.78
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-4.11	-6.36	-9.53
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-2.66	-4.12	-6.17
Cleveland, OH	CO	Maintenance	100	-	-12.85	-19.91	-29.84
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-37.77	-58.55	-87.73
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-34.68	-53.75	-80.54
Coachella Valley, CA	PM ₁₀	Serious	70	-	-11.25	-17.43	-26.12
Colbert County, AL	SO _x	Maintenance	100	-	-0.81	-1.26	-1.89
Colorado Springs, CO	CO	Maintenance	100	-	-9.64	-14.94	-22.39
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.09	-0.14	-0.21
Columbia, SC	Ozone	Former Subpart 1	50	-	-9.89	-15.32	-22.96
Columbus, OH	Ozone	Maintenance	100	-	-26.97	-41.80	-62.63

Table B2-15
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Sulfur Dioxide (SO2) 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-25.07	-38.86	-58.23
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.04	-0.07	-0.10
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.01
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-12.85	-19.91	-29.84
Cuyahoga County, OH	SO _x	Maintenance	100	-	-10.68	-16.56	-24.81
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-114.00	-176.69	-264.75
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-12.03	-18.65	-27.95
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-10.60	-16.43	-24.62
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-279.66	-332.22	-102.16
Denver-Boulder, CO	CO	Maintenance	100	-	-277.55	-328.95	-97.26
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-289.61	-347.63	-125.25
Detroit, MI	CO	Maintenance	100	-	-95.21	-115.47	-47.62
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-174.22	-224.34	-157.62
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-172.91	-222.32	-154.60
Door County, WI	Ozone	Former Subpart 1	50	-	-0.58	-0.90	-1.35
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-0.52	-0.81	-1.21
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-0.42	-0.65	-0.97
Duluth, MN	CO	Maintenance	100	-	-1.15	-1.79	-2.68
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.14	-0.22	-0.33
East Chicago, IN	CO	Maintenance	100	-	-0.01	-0.02	-0.03
East Chicago, IN	PM ₁₀	Maintenance	100	-	-540.30	-602.45	15.59
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.02	-0.02	-0.04
El Paso County, TX	PM ₁₀	Moderate	100	-	-69.29	-80.41	-15.01
El Paso, TX	CO	Maintenance	100	-	-0.47	-0.73	-1.09
Erie, PA	Ozone	Maintenance	100	-	-3.30	-5.11	-7.65
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.03	-0.04	-0.06
Eugene-Springfield, OR	CO	Maintenance	100	-	-3.58	-5.55	-8.32
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-3.43	-5.32	-7.97
Evansville, IN	Ozone	Maintenance	100	-	-3.77	-5.85	-8.76
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-4.81	-7.46	-11.17
Fairbanks, AK	CO	Maintenance	100	-	-0.28	-0.44	-0.66
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-4.46	-6.91	-10.36
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.12	-0.18	-0.28
Flint, MI	Ozone	Maintenance	100	-	-7.62	-11.81	-17.70
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.03
Fort Collins, CO	CO	Maintenance	100	-	-2.92	-4.52	-6.77

Table B2-15
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Sulfur Dioxide (SO2) 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.02
Fort Wayne, IN	Ozone	Maintenance	100	-	-5.53	-8.57	-12.83
Franklin County, PA	Ozone	Maintenance	100	-	-2.36	-3.65	-5.47
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.01	-0.02	-0.03
Frederick County, VA	Ozone	Former Subpart 1	50	-	-1.99	-3.08	-4.61
Fredericksburg, VA	Ozone	Maintenance	100	-	-6.93	-10.74	-16.09
Freehold, NJ	CO	Maintenance	100	-	-0.30	-0.46	-0.69
Fresno, CA	CO	Maintenance	100	-	-9.56	-14.81	-22.19
Grand Rapids, MI	Ozone	Maintenance	100	-	-12.80	-19.84	-29.72
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-0.57	-0.88	-1.31
Grant County, NM	SO _x	Maintenance	100	-	-0.04	-0.06	-0.08
Grants Pass, OR	CO	Maintenance	100	-	-0.01	-0.01	-0.02
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.54	-0.84	-1.26
Great Falls, MT	CO	Maintenance	100	-	-0.26	-0.40	-0.61
Greater Connecticut, CT	Ozone	Moderate	50	-	-24.17	-37.46	-56.12
Greeley, CO	CO	Maintenance	100	-	-1.96	-3.04	-4.55
Green Bay, WI	SO _x	Maintenance	100	-	-1.89	-2.93	-4.39
Greene County, IN	Ozone	Maintenance	100	-	-0.73	-1.14	-1.70
Greene County, PA	Ozone	Maintenance	100	-	-0.66	-1.02	-1.53
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-24.20	-37.50	-56.19
Greensboro-Winston salem-High Point, NC	PM _{2,5}	Nonattainment	100	-	-11.85	-18.37	-27.52
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-13.07	-20.25	-30.35
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-0.33	-0.52	-0.78
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-1.75	-2.71	-4.07
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-13.41	-20.78	-31.13
Harrisburg-Lebanon-Carlisle, PA	PM _{2,5}	Nonattainment	100	-	-12.36	-19.16	-28.71
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-15.44	-23.93	-35.85
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.17	-0.26	-0.38
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-0.65	-1.01	-1.52
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.07	-0.12	-0.17
Hazelwood, PA	SO _x	Maintenance	100	-	-0.60	-0.92	-1.38
Hickory, NC	PM _{2,5}	Nonattainment	100	-	-2.55	-3.95	-5.92
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-4.28	-6.63	-9.94
Hollis Township, IL	SO _x	Maintenance	100	-	-0.03	-0.05	-0.08
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-1,017.30	-1,170.41	-165.74
Humphreys County, TN	SO _x	Maintenance	100	-	-0.04	-0.06	-0.10
Huntington-Ashland, WV-KY-OH	PM _{2,5}	Nonattainment	100	-	-55.51	-63.65	-7.90

Table B2-15
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
		t					
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-53.44	-60.45	-3.10
Huron County, MI	Ozone	Maintenance	100	-	-0.41	-0.63	-0.95
Imperial County, CA	Ozone	Moderate	50	-	-3.67	-5.68	-8.51
Imperial Valley, CA	PM ₁₀	Serious	70	-	-3.59	-5.56	-8.33
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-0.49	-0.75	-1.13
Indianapolis, IN	CO	Maintenance	100	-	-0.01	-0.02	-0.03
Indianapolis, IN	Ozone	Maintenance	100	-	-31.28	-48.48	-72.64
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-24.85	-38.51	-57.71
Jackson County, IN	Ozone	Maintenance	100	-	-1.17	-1.81	-2.71
Jamestown, NY	Ozone	Former Subpart 1	50	-	-2.29	-3.54	-5.31
Jefferson County, NY	Ozone	Moderate	50	-	-1.84	-2.85	-4.28
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.10	-0.16	-0.24
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-3.15	-4.88	-7.31
Johnstown, PA	Ozone	Maintenance	100	-	-1.30	-2.02	-3.03
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-1.44	-2.22	-3.33
Juneau, AK	PM ₁₀	Moderate	100	-	-0.19	-0.29	-0.44
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-7.45	-11.54	-17.30
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.48	-0.75	-1.12
Kansas City, MO-KS	Ozone	Maintenance	100	-	-26.10	-40.45	-60.61
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-2.26	-3.50	-5.25
Kent, WA	PM ₁₀	Maintenance	100	-	-0.41	-0.64	-0.96
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-1.24	-1.92	-2.87
Kewaunee County, WI	Ozone	Maintenance	100	-	-0.36	-0.56	-0.83
King County, WA	PM ₁₀	Maintenance	100	-	-0.16	-0.25	-0.38
Klamath Falls, OR	CO	Maintenance	100	-	-0.72	-1.12	-1.67
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.72	-1.12	-1.67
Knoxville, TN	Ozone	Former Subpart 1	50	-	-19.20	-29.76	-44.60
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-14.65	-22.70	-34.01
La Porte County, IN	SO _x	Maintenance	100	-	-0.49	-0.76	-1.13
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.22	-0.35	-0.52
Lake County, IN	SO _x	Maintenance	100	-	-4.33	-6.72	-10.06
Lake County, OH	SO _x	Maintenance	100	-	-0.52	-0.81	-1.21
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.09	-0.13	-0.20
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-0.55	-0.85	-1.28
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-1.20	-1.87	-2.80
Lake Tahoe, NV	CO	Maintenance	100	-	-0.30	-0.47	-0.70

Table B2-15
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Sulfur Dioxide (SO2) 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.13	-0.20	-0.30
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.04
Lancaster, PA	Ozone	Maintenance	100	-	-6.91	-10.71	-16.05
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-6.91	-10.71	-16.05
Lane County, OR	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.04
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-7.17	-11.12	-16.66
LaPorte, IN	Ozone	Maintenance	100	-	-1.36	-2.11	-3.16
Las Vegas, NV	CO	Serious	100	-	-25.31	-39.23	-58.78
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-25.62	-39.71	-59.51
Lauderdale County, AL	SO _x	Maintenance	100	-	-1.26	-1.95	-2.91
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.03	-0.04	-0.06
Libby, MT	PM ₁₀	Moderate	100	-	-0.06	-0.09	-0.14
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.08	-0.13	-0.19
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.18	-0.29	-0.43
Lima, OH	Ozone	Maintenance	100	-	-340.66	-379.72	10.52
Longmont, CO	CO	Maintenance	100	-	-1.52	-2.36	-3.53
Lorain County, OH	SO _x	Maintenance	100	-	-0.69	-1.07	-1.61
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-966.10	-1,181.20	-534.21
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	-966.10	-1,181.20	-534.21
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-966.10	-1,181.20	-534.21
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-966.10	-1,181.20	-534.21
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-966.09	-1,181.18	-534.18
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-11.12	-17.23	-25.82
Louisville, KY-IN	Ozone	Maintenance	100	-	-16.62	-25.76	-38.59
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-15.93	-24.69	-37.00
Lowell, MA	CO	Maintenance	100	-	-1.79	-2.77	-4.15
Lucas County, OH	SO _x	Maintenance	100	-	-4.22	-6.54	-9.80
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.88	-1.37	-2.05
Macon, GA	Ozone	Maintenance	100	-	-2.92	-4.53	-6.79
Macon, GA	PM _{2.5}	Nonattainment	100	-	-2.89	-4.48	-6.71
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.04	-0.06	-0.09
Madison, WI	SO _x	Maintenance	100	-	-4.05	-6.27	-9.40
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.18	-0.28	-0.43
Manchester, NH	CO	Maintenance	100	-	-1.08	-1.67	-2.51
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-1.47	-2.28	-3.41

Table B2-15
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Marion County, IN	SO _x	Maintenance	100	-	-4.47	-6.92	-10.37
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-1.98	-3.07	-4.59
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-4.82	-7.47	-11.20
Mason County, MI	Ozone	Maintenance	100	-	-0.40	-0.63	-0.94
Medford, OR	CO	Maintenance	100	-	-1.31	-2.03	-3.04
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-3.14	-4.87	-7.30
Memphis, TN-AR	Ozone	Maintenance	100	-	-26.79	-36.05	-32.62
Memphis, TN	CO	Maintenance	100	-	-25.70	-34.36	-30.09
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-0.49	-0.75	-1.13
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.07	-0.11	-0.17
Milwaukee, WI	SO _x	Maintenance	100	-	-7.60	-11.78	-17.66
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-27.15	-42.08	-63.05
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-112.27	-144.55	-101.46
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-43.63	-67.62	-101.31
Missoula, MT	CO	Maintenance	100	-	-0.95	-1.48	-2.21
Missoula, MT	PM ₁₀	Moderate	100	-	-0.92	-1.43	-2.14
Modesto, CA	CO	Maintenance	100	-	-5.30	-8.22	-12.32
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-1.80	-2.79	-4.18
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.03	-0.04	-0.06
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.05	-0.07	-0.11
Morristown, NJ	CO	Maintenance	100	-	-0.55	-0.85	-1.28
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.41	-0.64	-0.95
Muncie, IN	Ozone	Maintenance	100	-	-1.57	-2.43	-3.63
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.07	-0.11	-0.17
Muscatine County, IA	SO _x	Maintenance	100	-	-0.23	-0.36	-0.54
Muskegon, MI	Ozone	Maintenance	100	-	-1.97	-3.05	-4.57
Nashua, NH	CO	Maintenance	100	-	-0.87	-1.35	-2.02
Nashville, TN	Ozone	Former Subpart 1	50	-	-25.82	-40.02	-59.96
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-2.62	-4.07	-6.09
New Haven County, CT	PM ₁₀	Maintenance	100	-	-2.27	-3.52	-5.27
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-11.45	-17.75	-26.60
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.08	-0.13	-0.19
New York County, NY	PM ₁₀	Moderate	100	-	-6.40	-9.91	-14.85
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-176.03	-246.46	-266.17
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-296.35	-427.42	-515.76
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-294.36	-424.34	-511.15
Nogales, AZ	PM ₁₀	Moderate	100	-	-0.64	-0.99	-1.48

Table B2-15
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Sulfur Dioxide (SO2) 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-162.37	-190.93	-48.70
Ogden, UT	CO	Maintenance	100	-	-1.03	-1.59	-2.39
Ogden, UT	PM ₁₀	Moderate	100	-	-1.03	-1.59	-2.39
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.03	-0.05	-0.07
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.29	-0.45	-0.68
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-1.76	-2.72	-4.08
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.07	-0.11	-0.16
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-2.10	-3.25	-4.87
Parkersburg-Marietta, WV-OH	PM _{2,5}	Nonattainment	100	-	-2.11	-3.27	-4.90
Payson, AZ	PM ₁₀	Maintenance	100	-	-0.31	-0.48	-0.73
Penns Grove, NJ	CO	Maintenance	100	-	-0.01	-0.01	-0.02
Peoria, IL	SO _x	Maintenance	100	-	-1.43	-2.21	-3.32
Perth Amboy, NJ	CO	Maintenance	100	-	-13.95	-16.10	-2.58
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-5.40	-8.37	-12.54
Phildelphia-Wilmington, PA-NY-DE	PM _{2,5}	Nonattainment	100	-	-577.43	-671.21	-131.21
Phildelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-608.85	-719.91	-204.19
Phoenix, AZ	CO	Maintenance	100	-	-85.72	-132.85	-199.06
Phoenix, AZ	PM ₁₀	Serious	70	-	-88.07	-136.50	-204.52
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-88.32	-136.89	-205.11
Pierce County, WA	PM ₁₀	Maintenance	100	-	-0.15	-0.23	-0.35
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.02	-0.02	-0.04
Pittsburgh, PA	CO	Maintenance	100	-	-0.40	-0.62	-0.92
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-29.42	-45.44	-67.50
Pittsburgh-Beaver Valley, PA	PM _{2,5}	Nonattainment	100	-	-26.89	-41.53	-61.63
Polk County, TN	SO _x	Maintenance	100	-	-0.31	-0.48	-0.72
Polson, MT	PM ₁₀	Moderate	100	-	-0.05	-0.08	-0.11
Portland, ME	Ozone	Maintenance	100	-	-8.49	-13.15	-19.71
Portland, OR	CO	Maintenance	100	-	-18.64	-28.30	-40.13
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.64	-0.99	-1.48
Poughkeepsie, NY	Ozone	Moderate	50	-	-22.48	-34.84	-52.20
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.13	-0.20	-0.30
Providence (entire State), RI	Ozone	Moderate	50	-	-15.19	-23.54	-35.27
Provo, UT	CO	Maintenance	100	-	-2.69	-4.16	-6.24
Raleigh-Durham, NC	CO	Maintenance	100	-	-21.09	-32.69	-48.98
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-28.67	-44.43	-66.58
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.03	-0.04	-0.06
Reading, PA	Ozone	Maintenance	100	-	-4.96	-7.69	-11.52

Table B2-15
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Reading, PA	PM _{2.5}	Nonattainment	100	-	-4.96	-7.69	-11.52
Reno, NV	CO	Maintenance	100	-	-3.70	-5.73	-8.59
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.02	-0.03	-0.04
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-18.38	-28.49	-42.70
Rillito, AZ	PM ₁₀	Moderate	100	-	-0.83	-1.29	-1.93
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-11.25	-17.43	-26.12
Roanoke, VA	Ozone	Former Subpart 1	50	-	-3.81	-5.91	-8.86
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-1.25	-1.94	-2.90
Rochester, NY	Ozone	Former Subpart 1	50	-	-19.98	-30.96	-46.39
Rocky Mount, NC	Ozone	Maintenance	100	-	-2.69	-4.17	-6.24
Rome, GA	PM _{2.5}	Nonattainment	100	-	-1.77	-2.75	-4.12
Ronan, MT	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.04
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.04	-0.06	-0.08
Sacramento County, CA	PM ₁₀	Moderate	100	-	-25.69	-39.82	-59.67
Sacramento Metro, CA	Ozone	Severe	25	-	-47.13	-73.04	-109.44
Sacramento, CA	CO	Maintenance	100	-	-28.88	-44.76	-67.07
Salem, OR	CO	Maintenance	100	-	-1.93	-2.99	-4.48
Salt Lake City, UT	CO	Maintenance	100	-	-13.51	-16.48	-7.27
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-26.15	-36.07	-36.63
Salt Lake County, UT	SO _x	Nonattainment	100	-	-15.96	-24.73	-37.06
San Antonio, TX	Ozone	Former Subpart 1	50	-	-29.22	-45.29	-67.84
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-6.90	-10.70	-16.03
San Diego, CA	CO	Maintenance	100	-	-69.84	-108.24	-162.19
San Diego, CA	Ozone	Former Subpart 1	50	-	-69.97	-108.45	-162.50
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-2,133.02	-2,418.46	-155.09
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-2,146.18	-2,438.86	-185.66
San Joaquin Valley, CA	Ozone	Extreme	10	-	-98.67	-143.63	-178.85
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-98.91	-144.00	-179.39
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-98.67	-143.63	-178.85
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-0.56	-0.86	-1.29
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.02
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-9.99	-15.48	-23.20
Seattle-Tacoma, WA	CO	Maintenance	100	-	-47.29	-73.29	-109.81
Sheboygan, WI	Ozone	Moderate	50	-	-1.84	-2.85	-4.27
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.32	-0.50	-0.74
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00

Table B2-15
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Somerville, NJ	CO	Maintenance	100	-	-0.27	-0.42	-0.63
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-6.75	-10.46	-15.68
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-2.23	-3.46	-5.18
Spokane County, WA	PM ₁₀	Maintenance	100	-	-4.68	-7.25	-10.86
Spokane, WA	CO	Maintenance	100	-	-4.63	-7.17	-10.74
Springfield (western MA), MA	Ozone	Moderate	50	-	-13.33	-20.66	-30.95
Springfield, MA	CO	Maintenance	100	-	-2.22	-3.44	-5.16
St Louis, MO	CO	Maintenance	100	-	-12.27	-19.01	-28.49
St Louis, MO-IL	Ozone	Moderate	50	-	-1,776.80	-1,995.63	-26.79
St. Louis, MO-IL	PM _{2,5}	Nonattainment	100	-	-1,776.51	-1,995.19	-26.13
State College, PA	Ozone	Maintenance	100	-	-2.71	-4.20	-6.29
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.33	-0.51	-0.76
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.59	-0.91	-1.37
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-16.19	-18.59	-2.44
Steubenville-Weirton, OH-WV	PM _{2,5}	Nonattainment	100	-	-16.19	-18.59	-2.44
Stockton, CA	CO	Maintenance	100	-	-8.01	-12.41	-18.60
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-7.44	-11.53	-17.27
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.03	-0.04	-0.07
Terre Haute, IN	Ozone	Maintenance	100	-	-1.80	-2.79	-4.18
Tioga County, PA	Ozone	Maintenance	100	-	-0.79	-1.23	-1.84
Toledo, OH	Ozone	Maintenance	100	-	-103.73	-118.87	-14.38
Toms River, NJ	CO	Maintenance	100	-	-1.64	-2.55	-3.82
Tooele County, UT	SO _x	Nonattainment	100	-	-1.57	-2.43	-3.64
Trenton, NJ	CO	Maintenance	100	-	-1.35	-2.09	-3.13
Trona, CA	PM ₁₀	Moderate	100	-	-0.05	-0.08	-0.13
Tucson, AZ	CO	Maintenance	100	-	-15.98	-24.77	-37.11
Utah County, UT	PM ₁₀	Moderate	100	-	-7.80	-12.09	-18.11
Vancouver, WA	CO	Maintenance	100	-	-5.19	-8.05	-12.06
Ventura County, CA	Ozone	Serious	50	-	-15.28	-23.22	-33.00
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.10	-0.16	-0.23
Vigo County, IN	SO _x	Maintenance	100	-	-1.80	-2.79	-4.18
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-0.84	-1.30	-1.95
Warren County, NJ	SO _x	Maintenance	100	-	-0.55	-0.85	-1.27
Warren County, PA	SO _x	Nonattainment	100	-	-0.20	-0.31	-0.46
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-3.15	-4.88	-7.31
Washington, DC-MD-VA	CO	Maintenance	100	-	-24.02	-37.23	-55.78

Table B2-15
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-85.97	-133.24	-199.65
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-84.06	-130.29	-195.23
Washoe County, NV	PM ₁₀	Serious	70	-	-3.70	-5.73	-8.59
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.06	-0.09	-0.14
Wayne County, IN	SO _x	Maintenance	100	-	-0.97	-1.50	-2.25
Wayne County, MI	PM ₁₀	Maintenance	100	-	-35.89	-40.49	-1.49
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.12	-0.19	-0.28
Weirton, WV	SO _x	Maintenance	100	-	-0.16	-0.25	-0.38
Wheeling, WV-OH	Ozone	Maintenance	100	-	-2.03	-3.14	-4.70
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-2.03	-3.14	-4.70
Winston-Salem, NC	CO	Maintenance	100	-	-6.25	-9.69	-14.52
Worcester, MA	CO	Maintenance	100	-	-3.50	-5.43	-8.14
Yakima County, WA	PM ₁₀	Maintenance	100	-	-1.43	-2.22	-3.32
Yakima, WA	CO	Maintenance	100	-	-0.64	-1.00	-1.50
York, PA	Ozone	Maintenance	100	-	-6.93	-10.75	-16.10
York, PA	PM _{2.5}	Nonattainment	100	-	-5.38	-8.33	-12.48
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-8.87	-13.75	-20.61
Yuma, AZ	PM ₁₀	Moderate	100	-	-3.05	-4.73	-7.09

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

Table B2-16
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.05	-0.06	-0.09
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.13	-0.16	-0.22
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.13	-0.17	-0.23
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-38.91	-49.71	-67.77
Albuquerque, NM	CO	Maintenance	100	-	-17.49	-22.35	-30.47
Allegan County, MI	Ozone	Former Subpart 1	50	-	-4.93	-6.30	-8.59
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-17.87	-22.83	-31.13
Altoona, PA	Ozone	Maintenance	100	-	-2.89	-3.63	-4.70
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-7.04	-8.99	-12.26
Anchorage, AK	CO	Maintenance	100	-	-4.74	-6.05	-8.25
Anthony, NM	PM ₁₀	Moderate	100	-	-0.22	-0.27	-0.37
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.15	-0.19	-0.26
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.23	-0.30	-0.40
Atlanta, GA	Ozone	Moderate	50	-	-220.26	-281.39	-383.62
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-220.34	-281.48	-383.75
Atlantic City, NJ	CO	Maintenance	100	-	-1.44	-1.84	-2.51
Bakersfield, CA	CO	Maintenance	100	-	-58.98	-63.44	-41.44
Baltimore, MD	CO	Maintenance	100	-	-0.28	-0.36	-0.49
Baltimore, MD	Ozone	Moderate	50	-	-94.93	-121.27	-165.33
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-94.93	-121.27	-165.33
Baton Rouge, LA	Ozone	Moderate	50	-	-497.93	-507.63	-205.98
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-6,630.46	-6,684.99	-2,358.71
Benton County, TN	SO _x	Maintenance	100	-	-0.03	-0.04	-0.05
Benton Harbor, MI	Ozone	Maintenance	100	-	-4.50	-5.75	-7.84
Benzie County, MI	Ozone	Maintenance	100	-	-0.85	-1.09	-1.48
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-4.69	-6.00	-8.17
Billings, MT	CO	Maintenance	100	-	-942.42	-950.34	-336.09
Birmingham, AL	Ozone	Maintenance	100	-	-29.58	-37.50	-50.06
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-29.68	-37.64	-50.25
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-10.60	-13.55	-18.47
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-10.60	-13.55	-18.47
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.62	-0.79	-1.08
Boston, MA	CO	Maintenance	100	-	-24.95	-31.87	-43.45
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-154.73	-197.67	-269.48
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-20.66	-26.39	-35.98
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.26	-0.33	-0.45

Table B2-16
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status <u>b</u> /	General Conformity Threshold <u>c</u> /	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-32.98	-42.14	-57.45
Burlington, NJ	CO	Maintenance	100	-	-0.14	-0.18	-0.24
Butte, MT	PM ₁₀	Moderate	100	-	-0.49	-0.63	-0.86
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.71	-0.91	-1.24
Canton-Massillon, OH	Ozone	Maintenance	100	-	-51.92	-54.49	-29.48
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-51.92	-54.49	-29.48
Case County, MI	Ozone	Maintenance	100	-	-1.23	-1.58	-2.15
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.02	-0.03	-0.04
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.14	-0.18	-0.25
Charleston, WV	Ozone	Maintenance	100	-	-7.05	-9.01	-12.29
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-7.05	-9.01	-12.29
Charlotte, NC	CO	Maintenance	100	-	-24.54	-31.35	-42.75
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-53.63	-68.52	-93.41
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-15.64	-19.98	-27.20
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-14.50	-18.51	-25.20
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-4,525.21	-4,620.15	-1,906.89
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-4,532.69	-4,629.70	-1,919.91
Chico, CA	CO	Maintenance	100	-	-4.55	-5.81	-7.92
Chico, CA	Ozone	Former Subpart 1	50	-	-9.52	-12.17	-16.59
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-59.56	-76.09	-103.73
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-57.63	-73.63	-100.38
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.30	-0.39	-0.53
Clark County, NV	PM ₁₀	Serious	70	-	-54.50	-69.63	-94.93
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-8.43	-10.76	-14.68
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-5.14	-6.56	-8.95
Cleveland, OH	CO	Maintenance	100	-	-23.18	-29.61	-40.37
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-72.74	-92.92	-126.68
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-66.51	-84.97	-115.84
Coachella Valley, CA	PM ₁₀	Serious	70	-	-24.94	-31.86	-43.44
Colbert County, AL	SO _x	Maintenance	100	-	-1.46	-1.87	-2.54
Colorado Springs, CO	CO	Maintenance	100	-	-20.28	-25.91	-35.32
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.19	-0.25	-0.34
Columbia, SC	Ozone	Former Subpart 1	50	-	-19.74	-25.22	-34.39
Columbus, OH	Ozone	Maintenance	100	-	-55.97	-71.50	-97.47

Table B2-16
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-52.12	-66.59	-90.78
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.07	-0.09	-0.12
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.01
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-23.18	-29.61	-40.37
Cuyahoga County, OH	SO _x	Maintenance	100	-	-19.98	-25.53	-34.80
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-240.01	-306.61	-418.02
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-22.77	-29.09	-39.66
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-20.00	-25.54	-34.82
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-580.55	-612.14	-344.55
Denver-Boulder, CO	CO	Maintenance	100	-	-576.10	-606.46	-336.80
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-601.34	-638.70	-380.76
Detroit, MI	CO	Maintenance	100	-	-210.21	-221.59	-124.47
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-354.29	-394.15	-316.20
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-351.71	-390.85	-311.70
Door County, WI	Ozone	Former Subpart 1	50	-	-1.19	-1.52	-2.08
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-0.99	-1.26	-1.72
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-0.81	-1.04	-1.42
Duluth, MN	CO	Maintenance	100	-	-2.16	-2.76	-3.76
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.30	-0.39	-0.53
East Chicago, IN	CO	Maintenance	100	-	-0.03	-0.03	-0.05
East Chicago, IN	PM ₁₀	Maintenance	100	-	-1,120.12	-1,130.36	-403.72
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.03	-0.04	-0.05
El Paso County, TX	PM ₁₀	Moderate	100	-	-143.31	-148.55	-71.89
El Paso, TX	CO	Maintenance	100	-	-0.91	-1.16	-1.58
Erie, PA	Ozone	Maintenance	100	-	-6.27	-8.00	-10.91
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.06	-0.07	-0.10
Eugene-Springfield, OR	CO	Maintenance	100	-	-7.28	-9.30	-12.68
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-7.00	-8.94	-12.19
Evansville, IN	Ozone	Maintenance	100	-	-7.36	-9.40	-12.82
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-9.29	-11.87	-16.18
Fairbanks, AK	CO	Maintenance	100	-	-0.59	-0.76	-1.03
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-8.81	-11.26	-15.35
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.25	-0.32	-0.44
Flint, MI	Ozone	Maintenance	100	-	-14.68	-18.75	-25.57
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.02	-0.02	-0.03
Fort Collins, CO	CO	Maintenance	100	-	-6.18	-7.89	-10.76

Table B2-16
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Sulfur Dioxide (SO2) 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.02	-0.02	-0.03
Fort Wayne, IN	Ozone	Maintenance	100	-	-10.94	-13.98	-19.06
Franklin County, PA	Ozone	Maintenance	100	-	-4.76	-6.08	-8.28
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.02	-0.03	-0.04
Frederick County, VA	Ozone	Former Subpart 1	50	-	-3.95	-5.04	-6.87
Fredericksburg, VA	Ozone	Maintenance	100	-	-14.82	-18.93	-25.81
Freehold, NJ	CO	Maintenance	100	-	-0.68	-0.87	-1.19
Fresno, CA	CO	Maintenance	100	-	-19.84	-25.34	-34.55
Grand Rapids, MI	Ozone	Maintenance	100	-	-26.20	-33.47	-45.63
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-1.01	-1.30	-1.77
Grant County, NM	SO _x	Maintenance	100	-	-0.06	-0.08	-0.11
Grants Pass, OR	CO	Maintenance	100	-	-0.02	-0.02	-0.03
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-1.17	-1.49	-2.03
Great Falls, MT	CO	Maintenance	100	-	-0.45	-0.58	-0.79
Greater Connecticut, CT	Ozone	Moderate	50	-	-46.61	-59.54	-81.17
Greeley, CO	CO	Maintenance	100	-	-4.04	-5.16	-7.03
Green Bay, WI	SO _x	Maintenance	100	-	-3.75	-4.80	-6.54
Greene County, IN	Ozone	Maintenance	100	-	-1.44	-1.85	-2.52
Greene County, PA	Ozone	Maintenance	100	-	-1.26	-1.61	-2.19
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-47.26	-60.37	-82.31
Greensboro-Winston salem-High Point, NC	PM _{2,5}	Nonattainment	100	-	-22.94	-29.31	-39.96
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-24.99	-31.93	-43.53
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-0.65	-0.83	-1.14
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-3.46	-4.42	-6.03
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-27.31	-34.89	-47.57
Harrisburg-Lebanon-Carlisle, PA	PM _{2,5}	Nonattainment	100	-	-25.16	-32.14	-43.82
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-29.36	-37.51	-51.14
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.35	-0.45	-0.61
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-1.40	-1.79	-2.44
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.15	-0.19	-0.26
Hazelwood, PA	SO _x	Maintenance	100	-	-1.20	-1.53	-2.09
Hickory, NC	PM _{2,5}	Nonattainment	100	-	-4.79	-6.12	-8.34
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-8.20	-10.48	-14.29
Hollis Township, IL	SO _x	Maintenance	100	-	-0.06	-0.08	-0.11
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-2,106.61	-2,171.37	-993.53
Humphreys County, TN	SO _x	Maintenance	100	-	-0.08	-0.11	-0.14
Huntington-Ashland, WV-KY-OH	PM _{2,5}	Nonattainment	100	-	-114.27	-117.35	-51.65

Table B2-16
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Sulfur Dioxide (SO2) 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
		t					
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-110.25	-112.21	-44.64
Huron County, MI	Ozone	Maintenance	100	-	-0.78	-0.99	-1.35
Imperial County, CA	Ozone	Moderate	50	-	-7.85	-10.03	-13.67
Imperial Valley, CA	PM ₁₀	Serious	70	-	-7.69	-9.82	-13.39
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-0.92	-1.17	-1.60
Indianapolis, IN	CO	Maintenance	100	-	-0.02	-0.03	-0.04
Indianapolis, IN	Ozone	Maintenance	100	-	-63.52	-81.15	-110.63
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-50.55	-64.58	-88.05
Jackson County, IN	Ozone	Maintenance	100	-	-2.26	-2.89	-3.94
Jamestown, NY	Ozone	Former Subpart 1	50	-	-4.42	-5.65	-7.70
Jefferson County, NY	Ozone	Moderate	50	-	-3.60	-4.60	-6.27
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.17	-0.22	-0.30
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-6.00	-7.67	-10.46
Johnstown, PA	Ozone	Maintenance	100	-	-2.20	-2.81	-3.83
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-2.42	-3.09	-4.21
Juneau, AK	PM ₁₀	Moderate	100	-	-0.42	-0.53	-0.73
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-14.42	-18.42	-25.12
Kalispell, MT	PM ₁₀	Moderate	100	-	-1.02	-1.30	-1.77
Kansas City, MO-KS	Ozone	Maintenance	100	-	-53.15	-67.89	-92.55
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-4.62	-5.90	-8.05
Kent, WA	PM ₁₀	Maintenance	100	-	-0.89	-1.13	-1.55
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-2.40	-3.06	-4.17
Kewaunee County, WI	Ozone	Maintenance	100	-	-0.69	-0.88	-1.20
King County, WA	PM ₁₀	Maintenance	100	-	-0.34	-0.43	-0.59
Klamath Falls, OR	CO	Maintenance	100	-	-1.38	-1.76	-2.40
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-1.38	-1.76	-2.40
Knoxville, TN	Ozone	Former Subpart 1	50	-	-40.08	-51.20	-69.80
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-30.22	-38.60	-52.63
La Porte County, IN	SO _x	Maintenance	100	-	-0.90	-1.15	-1.57
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.44	-0.56	-0.77
Lake County, IN	SO _x	Maintenance	100	-	-8.09	-10.34	-14.09
Lake County, OH	SO _x	Maintenance	100	-	-1.01	-1.29	-1.75
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.16	-0.21	-0.28
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-1.27	-1.62	-2.21
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-2.89	-3.69	-5.03
Lake Tahoe, NV	CO	Maintenance	100	-	-0.58	-0.74	-1.01

Table B2-16
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Sulfur Dioxide (SO2) 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.25	-0.32	-0.43
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.03	-0.04	-0.06
Lancaster, PA	Ozone	Maintenance	100	-	-13.84	-17.68	-24.11
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-13.84	-17.68	-24.11
Lane County, OR	PM ₁₀	Moderate	100	-	-0.03	-0.04	-0.06
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-14.13	-18.05	-24.61
LaPorte, IN	Ozone	Maintenance	100	-	-2.50	-3.20	-4.36
Las Vegas, NV	CO	Serious	100	-	-54.50	-69.63	-94.93
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-55.07	-70.35	-95.91
Lauderdale County, AL	SO _x	Maintenance	100	-	-2.36	-3.01	-4.11
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.05	-0.06	-0.09
Libby, MT	PM ₁₀	Moderate	100	-	-0.11	-0.14	-0.19
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.15	-0.19	-0.26
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.30	-0.39	-0.53
Lima, OH	Ozone	Maintenance	100	-	-706.30	-712.60	-253.81
Longmont, CO	CO	Maintenance	100	-	-3.29	-4.20	-5.73
Lorain County, OH	SO _x	Maintenance	100	-	-1.37	-1.75	-2.39
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-2,001.08	-2,151.88	-1,403.32
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	-2,001.08	-2,151.88	-1,403.32
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-2,001.08	-2,151.88	-1,403.32
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-2,001.08	-2,151.89	-1,403.32
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-2,001.06	-2,151.85	-1,403.28
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-23.14	-29.56	-40.30
Louisville, KY-IN	Ozone	Maintenance	100	-	-32.11	-41.02	-55.93
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-30.53	-39.01	-53.18
Lowell, MA	CO	Maintenance	100	-	-3.72	-4.75	-6.47
Lucas County, OH	SO _x	Maintenance	100	-	-7.83	-10.00	-13.64
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-1.64	-2.09	-2.85
Macon, GA	Ozone	Maintenance	100	-	-5.37	-6.86	-9.35
Macon, GA	PM _{2.5}	Nonattainment	100	-	-5.30	-6.77	-9.23
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.07	-0.09	-0.13
Madison, WI	SO _x	Maintenance	100	-	-8.62	-11.01	-15.01
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.45	-0.58	-0.78
Manchester, NH	CO	Maintenance	100	-	-1.92	-2.45	-3.34
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-2.80	-3.57	-4.87

Table B2-16
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Marion County, IN	SO _x	Maintenance	100	-	-8.38	-10.71	-14.60
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-4.38	-5.60	-7.63
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-9.53	-12.18	-16.61
Mason County, MI	Ozone	Maintenance	100	-	-0.81	-1.03	-1.40
Medford, OR	CO	Maintenance	100	-	-2.83	-3.61	-4.92
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-6.82	-8.71	-11.88
Memphis, TN-AR	Ozone	Maintenance	100	-	-52.80	-60.45	-55.92
Memphis, TN	CO	Maintenance	100	-	-50.86	-57.97	-52.54
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-1.03	-1.32	-1.80
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.13	-0.16	-0.22
Milwaukee, WI	SO _x	Maintenance	100	-	-14.50	-18.53	-25.26
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-54.10	-69.11	-94.22
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-230.80	-257.16	-208.01
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-88.42	-112.95	-153.99
Missoula, MT	CO	Maintenance	100	-	-1.92	-2.45	-3.34
Missoula, MT	PM ₁₀	Moderate	100	-	-1.86	-2.37	-3.23
Modesto, CA	CO	Maintenance	100	-	-11.45	-14.63	-19.95
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-3.96	-5.06	-6.90
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.06	-0.07	-0.10
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.09	-0.12	-0.16
Morristown, NJ	CO	Maintenance	100	-	-1.21	-1.55	-2.12
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.77	-0.98	-1.33
Muncie, IN	Ozone	Maintenance	100	-	-2.78	-3.55	-4.84
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.17	-0.22	-0.30
Muscatine County, IA	SO _x	Maintenance	100	-	-0.47	-0.60	-0.82
Muskegon, MI	Ozone	Maintenance	100	-	-3.90	-4.99	-6.80
Nashua, NH	CO	Maintenance	100	-	-1.56	-2.00	-2.73
Nashville, TN	Ozone	Former Subpart 1	50	-	-52.88	-67.56	-92.10
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-6.03	-7.70	-10.50
New Haven County, CT	PM ₁₀	Maintenance	100	-	-4.90	-6.25	-8.53
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-21.89	-27.97	-38.13
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.16	-0.21	-0.28
New York County, NY	PM ₁₀	Moderate	100	-	-11.79	-15.06	-20.54
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-349.70	-412.99	-435.34
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-591.12	-714.34	-819.49
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-587.06	-709.16	-812.42
Nogales, AZ	PM ₁₀	Moderate	100	-	-1.29	-1.65	-2.25

Table B2-16
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Sulfur Dioxide (SO2) 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-334.03	-349.01	-181.82
Ogden, UT	CO	Maintenance	100	-	-1.97	-2.52	-3.44
Ogden, UT	PM ₁₀	Moderate	100	-	-1.97	-2.52	-3.44
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.05	-0.06	-0.09
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.52	-0.67	-0.91
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-3.70	-4.73	-6.44
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.18	-0.22	-0.31
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.01
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-3.98	-5.09	-6.94
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-4.01	-5.13	-6.99
Payson, AZ	PM ₁₀	Maintenance	100	-	-0.65	-0.82	-1.12
Penns Grove, NJ	CO	Maintenance	100	-	-0.01	-0.02	-0.02
Peoria, IL	SO _x	Maintenance	100	-	-2.69	-3.43	-4.68
Perth Amboy, NJ	CO	Maintenance	100	-	-29.16	-30.20	-14.48
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-9.82	-12.55	-17.11
Phildelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-1,189.01	-1,232.69	-597.48
Phildelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-1,251.10	-1,312.01	-705.61
Phoenix, AZ	CO	Maintenance	100	-	-194.45	-248.41	-338.67
Phoenix, AZ	PM ₁₀	Serious	70	-	-199.40	-254.73	-347.28
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-199.89	-255.35	-348.13
Pierce County, WA	PM ₁₀	Maintenance	100	-	-0.27	-0.34	-0.47
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.03	-0.03	-0.04
Pittsburgh, PA	CO	Maintenance	100	-	-0.96	-1.22	-1.67
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-56.15	-71.54	-96.80
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-51.33	-65.38	-88.41
Polk County, TN	SO _x	Maintenance	100	-	-0.60	-0.76	-1.04
Polson, MT	PM ₁₀	Moderate	100	-	-0.11	-0.14	-0.19
Portland, ME	Ozone	Maintenance	100	-	-16.76	-21.41	-29.18
Portland, OR	CO	Maintenance	100	-	-36.62	-46.03	-59.93
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-1.22	-1.56	-2.12
Poughkeepsie, NY	Ozone	Moderate	50	-	-47.60	-60.80	-82.90
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.24	-0.30	-0.41
Providence (entire State), RI	Ozone	Moderate	50	-	-30.56	-39.05	-53.23
Provo, UT	CO	Maintenance	100	-	-5.69	-7.27	-9.91
Raleigh-Durham, NC	CO	Maintenance	100	-	-44.06	-56.29	-76.74
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-59.73	-76.31	-104.03
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.05	-0.06	-0.08
Reading, PA	Ozone	Maintenance	100	-	-9.69	-12.38	-16.87

Table B2-16
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Reading, PA	PM _{2.5}	Nonattainment	100	-	-9.69	-12.38	-16.87
Reno, NV	CO	Maintenance	100	-	-7.31	-9.34	-12.74
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.04	-0.06	-0.08
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-36.16	-46.19	-62.97
Rillito, AZ	PM ₁₀	Moderate	100	-	-1.82	-2.32	-3.17
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-24.94	-31.86	-43.44
Roanoke, VA	Ozone	Former Subpart 1	50	-	-7.29	-9.31	-12.69
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-2.52	-3.22	-4.40
Rochester, NY	Ozone	Former Subpart 1	50	-	-39.09	-49.93	-68.07
Rocky Mount, NC	Ozone	Maintenance	100	-	-5.12	-6.54	-8.91
Rome, GA	PM _{2.5}	Nonattainment	100	-	-3.44	-4.40	-5.99
Ronan, MT	PM ₁₀	Moderate	100	-	-0.04	-0.05	-0.07
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.07	-0.09	-0.12
Sacramento County, CA	PM ₁₀	Moderate	100	-	-56.10	-71.67	-97.71
Sacramento Metro, CA	Ozone	Severe	25	-	-104.10	-132.98	-181.30
Sacramento, CA	CO	Maintenance	100	-	-63.14	-80.66	-109.97
Salem, OR	CO	Maintenance	100	-	-3.72	-4.76	-6.48
Salt Lake City, UT	CO	Maintenance	100	-	-27.88	-29.91	-19.21
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-53.37	-62.48	-63.61
Salt Lake County, UT	SO _x	Nonattainment	100	-	-32.23	-41.18	-56.14
San Antonio, TX	Ozone	Former Subpart 1	50	-	-59.72	-76.29	-103.98
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-14.06	-17.96	-24.49
San Diego, CA	CO	Maintenance	100	-	-150.16	-191.83	-261.53
San Diego, CA	Ozone	Former Subpart 1	50	-	-150.46	-192.21	-262.05
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-4,425.52	-4,518.12	-1,863.63
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-4,451.76	-4,551.65	-1,909.33
San Joaquin Valley, CA	Ozone	Extreme	10	-	-212.02	-258.95	-307.99
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-212.39	-259.42	-308.63
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-212.02	-258.95	-307.99
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-1.18	-1.51	-2.06
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.03
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-19.54	-24.97	-34.04
Seattle-Tacoma, WA	CO	Maintenance	100	-	-97.07	-124.01	-169.06
Sheboygan, WI	Ozone	Moderate	50	-	-3.71	-4.73	-6.46
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.62	-0.79	-1.07
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00

Table B2-16
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Somerville, NJ	CO	Maintenance	100	-	-0.55	-0.70	-0.95
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-13.22	-16.89	-23.02
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-3.53	-4.51	-6.15
Spokane County, WA	PM ₁₀	Maintenance	100	-	-9.56	-12.21	-16.65
Spokane, WA	CO	Maintenance	100	-	-9.45	-12.07	-16.45
Springfield (western MA), MA	Ozone	Moderate	50	-	-26.08	-33.32	-45.43
Springfield, MA	CO	Maintenance	100	-	-4.59	-5.86	-7.99
St Louis, MO	CO	Maintenance	100	-	-21.60	-27.60	-37.62
St Louis, MO-IL	Ozone	Moderate	50	-	-3,677.82	-3,728.34	-1,412.68
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-3,677.28	-3,727.65	-1,411.74
State College, PA	Ozone	Maintenance	100	-	-5.58	-7.12	-9.71
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.73	-0.93	-1.27
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-1.06	-1.36	-1.85
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-33.23	-34.13	-15.05
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-33.23	-34.13	-15.05
Stockton, CA	CO	Maintenance	100	-	-17.79	-22.73	-30.99
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-14.16	-18.09	-24.66
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.07	-0.09	-0.12
Terre Haute, IN	Ozone	Maintenance	100	-	-3.23	-4.13	-5.63
Tioga County, PA	Ozone	Maintenance	100	-	-1.47	-1.88	-2.56
Toledo, OH	Ozone	Maintenance	100	-	-213.74	-219.46	-96.40
Toms River, NJ	CO	Maintenance	100	-	-3.56	-4.54	-6.19
Tooele County, UT	SO _x	Nonattainment	100	-	-3.17	-4.05	-5.52
Trenton, NJ	CO	Maintenance	100	-	-2.71	-3.46	-4.72
Trona, CA	PM ₁₀	Moderate	100	-	-0.12	-0.15	-0.20
Tucson, AZ	CO	Maintenance	100	-	-33.25	-42.48	-57.91
Utah County, UT	PM ₁₀	Moderate	100	-	-16.23	-20.74	-28.27
Vancouver, WA	CO	Maintenance	100	-	-11.07	-14.14	-19.28
Ventura County, CA	Ozone	Serious	50	-	-32.93	-41.48	-54.33
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.18	-0.23	-0.32
Vigo County, IN	SO _x	Maintenance	100	-	-3.23	-4.13	-5.63
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-1.64	-2.09	-2.85
Warren County, NJ	SO _x	Maintenance	100	-	-1.10	-1.40	-1.91
Warren County, PA	SO _x	Nonattainment	100	-	-0.35	-0.45	-0.61
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-6.11	-7.81	-10.65
Washington, DC-MD-VA	CO	Maintenance	100	-	-49.56	-63.32	-86.32

Table B2-16
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-177.61	-226.89	-309.33
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-173.49	-221.63	-302.16
Washoe County, NV	PM ₁₀	Serious	70	-	-7.31	-9.34	-12.74
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.11	-0.14	-0.20
Wayne County, IN	SO _x	Maintenance	100	-	-1.73	-2.21	-3.01
Wayne County, MI	PM ₁₀	Maintenance	100	-	-87.87	-89.55	-36.16
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.18	-0.23	-0.31
Weirton, WV	SO _x	Maintenance	100	-	-0.25	-0.32	-0.44
Wheeling, WV-OH	Ozone	Maintenance	100	-	-3.61	-4.61	-6.29
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-3.61	-4.61	-6.29
Winston-Salem, NC	CO	Maintenance	100	-	-12.44	-15.90	-21.67
Worcester, MA	CO	Maintenance	100	-	-7.41	-9.46	-12.90
Yakima County, WA	PM ₁₀	Maintenance	100	-	-2.86	-3.65	-4.98
Yakima, WA	CO	Maintenance	100	-	-1.41	-1.80	-2.46
York, PA	Ozone	Maintenance	100	-	-14.07	-17.98	-24.51
York, PA	PM _{2.5}	Nonattainment	100	-	-10.89	-13.91	-18.96
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-16.22	-20.73	-28.26
Yuma, AZ	PM ₁₀	Moderate	100	-	-6.47	-8.26	-11.26

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

Table B2-17
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Volatile Organic Compound (VOC) 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.07	-0.10	-0.23
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.05	-0.07	-0.17
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.05	-0.08	-0.18
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-17.22	-25.54	-60.12
Albuquerque, NM	CO	Maintenance	100	-	-6.89	-10.26	-24.33
Allegan County, MI	Ozone	Former Subpart 1	50	-	-3.01	-4.43	-10.24
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-5.04	-7.57	-18.30
Altoona, PA	Ozone	Maintenance	100	-	-2.73	-4.01	-9.22
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-0.47	-0.74	-2.02
Anchorage, AK	CO	Maintenance	100	-	-4.80	-7.03	-16.07
Anthony, NM	PM ₁₀	Moderate	100	-	-0.24	-0.35	-0.81
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.01	-0.02	-0.06
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.22	-0.32	-0.73
Atlanta, GA	Ozone	Moderate	50	-	-83.01	-123.34	-291.26
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-83.14	-123.53	-291.71
Atlantic City, NJ	CO	Maintenance	100	-	-0.27	-0.41	-1.04
Bakersfield, CA	CO	Maintenance	100	-	-10.32	-15.16	-34.94
Baltimore, MD	CO	Maintenance	100	-	-0.21	-0.31	-0.71
Baltimore, MD	Ozone	Moderate	50	-	-17.97	-27.36	-68.05
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-17.97	-27.36	-68.05
Baton Rouge, LA	Ozone	Moderate	50	-	-45.35	-66.15	-149.75
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-75.99	-110.49	-248.33
Benton County, TN	SO _x	Maintenance	100	-	-0.09	-0.13	-0.29
Benton Harbor, MI	Ozone	Maintenance	100	-	-5.89	-8.63	-19.75
Benzie County, MI	Ozone	Maintenance	100	-	-0.58	-0.85	-1.96
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-3.92	-5.76	-13.22
Billings, MT	CO	Maintenance	100	-	-20.56	-29.88	-67.07
Birmingham, AL	Ozone	Maintenance	100	-	-12.41	-18.46	-43.69
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-12.50	-18.58	-43.97
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-11.21	-16.41	-37.47
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-11.21	-16.41	-37.47
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.48	-0.71	-1.62
Boston, MA	CO	Maintenance	100	-	-5.53	-8.40	-20.79
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-24.88	-38.30	-97.46
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-2.32	-3.64	-9.62
Boyd County (part), KY	SO _x	Maintenance	100	-	-1.19	-1.73	-3.91

Table B2-17
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Volatile Organic Compound (VOC) 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-11.57	-17.30	-41.41
Burlington, NJ	CO	Maintenance	100	-	-0.05	-0.08	-0.19
Butte, MT	PM ₁₀	Moderate	100	-	-1.71	-2.49	-5.62
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.75	-1.10	-2.51
Canton-Massillon, OH	Ozone	Maintenance	100	-	-8.83	-12.94	-29.67
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-8.83	-12.94	-29.67
Case County, MI	Ozone	Maintenance	100	-	-1.13	-1.66	-3.81
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.03	-0.04	-0.10
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.38	-0.55	-1.25
Charleston, WV	Ozone	Maintenance	100	-	-2.70	-4.04	-9.70
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-2.70	-4.04	-9.70
Charlotte, NC	CO	Maintenance	100	-	-5.90	-8.88	-21.54
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-22.40	-33.22	-78.10
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-20.87	-30.54	-69.64
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-19.11	-27.96	-63.76
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-68.20	-102.01	-244.49
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-72.18	-107.90	-258.22
Chico, CA	CO	Maintenance	100	-	-1.39	-2.06	-4.86
Chico, CA	Ozone	Former Subpart 1	50	-	-3.26	-4.83	-11.36
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-21.38	-31.88	-75.91
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-19.85	-29.64	-70.76
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.27	-0.40	-0.92
Clark County, NV	PM ₁₀	Serious	70	-	-12.06	-18.12	-43.90
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-11.57	-16.90	-38.43
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-6.48	-9.48	-21.65
Cleveland, OH	CO	Maintenance	100	-	-11.49	-17.09	-40.49
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-22.73	-34.11	-82.35
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-20.86	-31.31	-75.62
Coachella Valley, CA	PM ₁₀	Serious	70	-	-1.30	-2.15	-6.19
Colbert County, AL	SO _x	Maintenance	100	-	-1.96	-2.87	-6.58
Colorado Springs, CO	CO	Maintenance	100	-	-14.08	-20.70	-47.66
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.21	-0.31	-0.70
Columbia, SC	Ozone	Former Subpart 1	50	-	-22.97	-33.63	-76.78
Columbus, OH	Ozone	Maintenance	100	-	-24.40	-36.13	-84.67

Table B2-17
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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-20.84	-30.91	-72.71
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.04	-0.06	-0.13
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.02
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-11.49	-17.09	-40.49
Cuyahoga County, OH	SO _x	Maintenance	100	-	-9.36	-13.93	-32.99
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-78.56	-116.97	-277.48
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-10.67	-15.86	-37.46
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-9.24	-13.73	-32.47
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-20.27	-30.68	-75.39
Denver-Boulder, CO	CO	Maintenance	100	-	-19.88	-30.07	-73.73
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-37.06	-55.31	-131.92
Detroit, MI	CO	Maintenance	100	-	-24.45	-36.20	-84.80
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-59.43	-88.27	-208.26
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-56.82	-84.45	-199.52
Door County, WI	Ozone	Former Subpart 1	50	-	-0.14	-0.22	-0.57
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-0.45	-0.66	-1.56
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-0.35	-0.52	-1.23
Duluth, MN	CO	Maintenance	100	-	-2.56	-3.76	-8.61
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.29	-0.42	-0.96
East Chicago, IN	CO	Maintenance	100	-	-0.03	-0.04	-0.09
East Chicago, IN	PM ₁₀	Maintenance	100	-	-15.18	-22.13	-50.02
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.03	-0.05	-0.11
El Paso County, TX	PM ₁₀	Moderate	100	-	-9.26	-13.66	-31.68
El Paso, TX	CO	Maintenance	100	-	-0.49	-0.73	-1.71
Erie, PA	Ozone	Maintenance	100	-	-2.71	-4.04	-9.56
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.01	-0.01	-0.03
Eugene-Springfield, OR	CO	Maintenance	100	-	-7.10	-10.41	-23.84
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-6.78	-9.94	-22.76
Evansville, IN	Ozone	Maintenance	100	-	-4.62	-6.81	-15.84
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-7.73	-11.36	-26.19
Fairbanks, AK	CO	Maintenance	100	-	-0.97	-1.42	-3.22
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-2.35	-3.54	-8.60
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.28	-0.40	-0.92
Flint, MI	Ozone	Maintenance	100	-	-5.64	-8.41	-20.03
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.04	-0.06	-0.14
Fort Collins, CO	CO	Maintenance	100	-	-3.27	-4.82	-11.17

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.03	-0.04	-0.09
Fort Wayne, IN	Ozone	Maintenance	100	-	-13.26	-19.41	-44.30
Franklin County, PA	Ozone	Maintenance	100	-	-4.67	-6.85	-15.68
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.03	-0.04	-0.09
Frederick County, VA	Ozone	Former Subpart 1	50	-	-7.48	-10.92	-24.74
Fredericksburg, VA	Ozone	Maintenance	100	-	-7.46	-11.00	-25.55
Freehold, NJ	CO	Maintenance	100	-	-0.08	-0.13	-0.32
Fresno, CA	CO	Maintenance	100	-	-4.07	-6.16	-15.11
Grand Rapids, MI	Ozone	Maintenance	100	-	-12.70	-18.79	-43.90
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-1.07	-1.57	-3.62
Grant County, NM	SO _x	Maintenance	100	-	-0.13	-0.20	-0.45
Grants Pass, OR	CO	Maintenance	100	-	-0.01	-0.02	-0.05
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-1.02	-1.50	-3.43
Great Falls, MT	CO	Maintenance	100	-	-1.00	-1.46	-3.32
Greater Connecticut, CT	Ozone	Moderate	50	-	-14.57	-21.86	-52.75
Greeley, CO	CO	Maintenance	100	-	-4.77	-6.97	-15.89
Green Bay, WI	SO _x	Maintenance	100	-	-1.71	-2.54	-5.96
Greene County, IN	Ozone	Maintenance	100	-	-2.97	-4.34	-9.82
Greene County, PA	Ozone	Maintenance	100	-	-2.04	-2.99	-6.80
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-20.72	-30.78	-72.65
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-9.32	-13.87	-32.92
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-37.88	-55.38	-126.09
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-0.23	-0.34	-0.81
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-1.91	-2.83	-6.60
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-7.66	-11.48	-27.64
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-7.55	-11.30	-27.10
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-7.90	-11.94	-29.21
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.09	-0.13	-0.32
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-0.48	-0.71	-1.69
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.03	-0.05	-0.12
Hazelwood, PA	SO _x	Maintenance	100	-	-0.75	-1.11	-2.58
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-2.04	-3.04	-7.23
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-3.65	-5.42	-12.82
Hollis Township, IL	SO _x	Maintenance	100	-	-0.01	-0.02	-0.05
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-286.28	-418.02	-948.73
Humphreys County, TN	SO _x	Maintenance	100	-	-0.13	-0.18	-0.42
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-31.59	-46.00	-103.69

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
		t					
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-25.98	-37.79	-84.99
Huron County, MI	Ozone	Maintenance	100	-	-0.76	-1.12	-2.57
Imperial County, CA	Ozone	Moderate	50	-	-2.16	-3.22	-7.71
Imperial Valley, CA	PM ₁₀	Serious	70	-	-2.11	-3.15	-7.53
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-0.66	-0.97	-2.26
Indianapolis, IN	CO	Maintenance	100	-	-0.02	-0.03	-0.08
Indianapolis, IN	Ozone	Maintenance	100	-	-30.35	-44.92	-105.12
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-23.18	-34.32	-80.45
Jackson County, IN	Ozone	Maintenance	100	-	-4.66	-6.80	-15.41
Jamestown, NY	Ozone	Former Subpart 1	50	-	-2.51	-3.71	-8.67
Jefferson County, NY	Ozone	Moderate	50	-	-0.97	-1.47	-3.57
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.44	-0.64	-1.46
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-10.86	-15.87	-36.03
Johnstown, PA	Ozone	Maintenance	100	-	-2.25	-3.31	-7.66
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-2.98	-4.38	-10.07
Juneau, AK	PM ₁₀	Moderate	100	-	-0.75	-1.09	-2.46
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-10.39	-15.30	-35.43
Kalispell, MT	PM ₁₀	Moderate	100	-	-1.14	-1.66	-3.78
Kansas City, MO-KS	Ozone	Maintenance	100	-	-44.71	-65.61	-150.69
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-0.13	-0.25	-0.88
Kent, WA	PM ₁₀	Maintenance	100	-	-0.40	-0.59	-1.37
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-1.62	-2.38	-5.53
Kewaunee County, WI	Ozone	Maintenance	100	-	-0.29	-0.43	-1.02
King County, WA	PM ₁₀	Maintenance	100	-	-0.16	-0.24	-0.57
Klamath Falls, OR	CO	Maintenance	100	-	-1.86	-2.73	-6.22
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-1.86	-2.73	-6.22
Knoxville, TN	Ozone	Former Subpart 1	50	-	-41.21	-60.33	-137.75
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-34.02	-49.78	-113.54
La Porte County, IN	SO _x	Maintenance	100	-	-1.33	-1.94	-4.43
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.70	-1.02	-2.31
Lake County, IN	SO _x	Maintenance	100	-	-7.47	-10.97	-25.28
Lake County, OH	SO _x	Maintenance	100	-	-0.19	-0.30	-0.74
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.25	-0.36	-0.82
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-0.07	-0.12	-0.32
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-0.18	-0.29	-0.77
Lake Tahoe, NV	CO	Maintenance	100	-	-0.19	-0.28	-0.67

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.82	-1.19	-2.70
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.06
Lancaster, PA	Ozone	Maintenance	100	-	-2.32	-3.56	-9.01
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-2.32	-3.56	-9.01
Lane County, OR	PM ₁₀	Moderate	100	-	-0.05	-0.07	-0.16
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-3.21	-4.87	-12.00
LaPorte, IN	Ozone	Maintenance	100	-	-3.72	-5.44	-12.40
Las Vegas, NV	CO	Serious	100	-	-12.06	-18.12	-43.90
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-12.24	-18.41	-44.58
Lauderdale County, AL	SO _x	Maintenance	100	-	-0.54	-0.82	-2.05
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.06	-0.09	-0.21
Libby, MT	PM ₁₀	Moderate	100	-	-0.10	-0.14	-0.33
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.13	-0.19	-0.44
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.27	-0.40	-0.92
Lima, OH	Ozone	Maintenance	100	-	-8.53	-12.43	-28.07
Longmont, CO	CO	Maintenance	100	-	-0.27	-0.44	-1.18
Lorain County, OH	SO _x	Maintenance	100	-	-0.35	-0.53	-1.28
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-128.02	-192.31	-465.01
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	-128.02	-192.31	-465.01
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-128.02	-192.31	-465.01
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-128.03	-192.31	-465.02
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-128.02	-192.30	-464.99
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-4.25	-6.46	-16.01
Louisville, KY-IN	Ozone	Maintenance	100	-	-13.41	-19.96	-47.30
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-13.55	-20.15	-47.66
Lowell, MA	CO	Maintenance	100	-	-0.59	-0.90	-2.28
Lucas County, OH	SO _x	Maintenance	100	-	-3.47	-5.17	-12.28
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.48	-0.72	-1.76
Macon, GA	Ozone	Maintenance	100	-	-8.31	-12.15	-27.71
Macon, GA	PM _{2.5}	Nonattainment	100	-	-8.24	-12.06	-27.49
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.06	-0.09	-0.21
Madison, WI	SO _x	Maintenance	100	-	-2.79	-4.15	-9.83
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.17	-0.25	-0.57
Manchester, NH	CO	Maintenance	100	-	-0.13	-0.22	-0.68
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-0.47	-0.73	-1.86

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Marion County, IN	SO _x	Maintenance	100	-	-7.03	-10.35	-23.90
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-0.78	-1.17	-2.87
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-9.26	-13.58	-31.14
Mason County, MI	Ozone	Maintenance	100	-	-0.58	-0.85	-1.96
Medford, OR	CO	Maintenance	100	-	-0.35	-0.54	-1.38
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-0.83	-1.28	-3.28
Memphis, TN-AR	Ozone	Maintenance	100	-	-21.28	-31.33	-72.49
Memphis, TN	CO	Maintenance	100	-	-13.67	-20.25	-47.48
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-0.41	-0.61	-1.44
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.10	-0.14	-0.33
Milwaukee, WI	SO _x	Maintenance	100	-	-6.05	-9.01	-21.40
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-17.79	-26.59	-63.60
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-70.03	-102.90	-236.95
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-51.20	-75.53	-175.48
Missoula, MT	CO	Maintenance	100	-	-4.21	-6.14	-13.88
Missoula, MT	PM ₁₀	Moderate	100	-	-4.08	-5.95	-13.45
Modesto, CA	CO	Maintenance	100	-	-4.14	-6.14	-14.41
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-1.26	-1.88	-4.43
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.03	-0.04	-0.09
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.05	-0.07	-0.16
Morristown, NJ	CO	Maintenance	100	-	-0.17	-0.26	-0.65
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.92	-1.35	-3.09
Muncie, IN	Ozone	Maintenance	100	-	-6.70	-9.77	-22.15
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.12	-0.17	-0.39
Muscatine County, IA	SO _x	Maintenance	100	-	-0.46	-0.67	-1.54
Muskegon, MI	Ozone	Maintenance	100	-	-3.47	-5.09	-11.69
Nashua, NH	CO	Maintenance	100	-	-0.10	-0.18	-0.54
Nashville, TN	Ozone	Former Subpart 1	50	-	-18.95	-28.20	-66.85
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-1.11	-1.67	-4.04
New Haven County, CT	PM ₁₀	Maintenance	100	-	-3.25	-4.78	-11.01
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-18.02	-26.51	-61.17
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.26	-0.38	-0.86
New York County, NY	PM ₁₀	Moderate	100	-	-35.28	-51.43	-116.22
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-143.89	-212.29	-493.42
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-208.92	-309.70	-727.58
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-203.64	-301.99	-710.03
Nogales, AZ	PM ₁₀	Moderate	100	-	-0.50	-0.75	-1.77

Table B2-17
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Volatile Organic Compound (VOC) 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-29.42	-43.39	-100.77
Ogden, UT	CO	Maintenance	100	-	-0.49	-0.74	-1.83
Ogden, UT	PM ₁₀	Moderate	100	-	-0.49	-0.74	-1.83
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.03	-0.04	-0.09
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.42	-0.62	-1.43
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-1.25	-1.86	-4.40
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.05	-0.08	-0.18
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-4.37	-6.41	-14.68
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-4.64	-6.81	-15.58
Payson, AZ	PM ₁₀	Maintenance	100	-	-0.28	-0.41	-0.96
Penns Grove, NJ	CO	Maintenance	100	-	-0.00	-0.01	-0.02
Peoria, IL	SO _x	Maintenance	100	-	-0.56	-0.86	-2.16
Perth Amboy, NJ	CO	Maintenance	100	-	-1.33	-1.97	-4.58
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-3.69	-5.52	-13.29
Phildelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-96.78	-142.42	-329.13
Phildelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-112.62	-166.31	-387.41
Phoenix, AZ	CO	Maintenance	100	-	-21.20	-32.65	-83.17
Phoenix, AZ	PM ₁₀	Serious	70	-	-22.08	-34.00	-86.49
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-22.16	-34.12	-86.81
Pierce County, WA	PM ₁₀	Maintenance	100	-	-0.57	-0.84	-1.90
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.04	-0.05	-0.12
Pittsburgh, PA	CO	Maintenance	100	-	-0.42	-0.62	-1.43
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-35.06	-51.77	-120.58
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-29.52	-43.65	-101.99
Polk County, TN	SO _x	Maintenance	100	-	-0.77	-1.13	-2.58
Polson, MT	PM ₁₀	Moderate	100	-	-0.04	-0.06	-0.15
Portland, ME	Ozone	Maintenance	100	-	-7.06	-10.49	-24.77
Portland, OR	CO	Maintenance	100	-	-11.47	-17.16	-41.08
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-1.63	-2.38	-5.43
Poughkeepsie, NY	Ozone	Moderate	50	-	-9.61	-14.52	-35.55
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.27	-0.40	-0.91
Providence (entire State), RI	Ozone	Moderate	50	-	-16.28	-24.05	-56.09
Provo, UT	CO	Maintenance	100	-	-1.69	-2.53	-6.02
Raleigh-Durham, NC	CO	Maintenance	100	-	-7.78	-11.85	-29.45
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-12.24	-18.52	-45.45
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.05	-0.07	-0.16
Reading, PA	Ozone	Maintenance	100	-	-4.12	-6.13	-14.50

Table B2-17
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Volatile Organic Compound (VOC) 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Reading, PA	PM _{2.5}	Nonattainment	100	-	-4.12	-6.13	-14.50
Reno, NV	CO	Maintenance	100	-	-2.77	-4.13	-9.80
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.02	-0.04	-0.08
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-13.39	-19.97	-47.53
Rillito, AZ	PM ₁₀	Moderate	100	-	-0.56	-0.83	-1.96
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-1.30	-2.15	-6.19
Roanoke, VA	Ozone	Former Subpart 1	50	-	-6.66	-9.79	-22.52
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-1.55	-2.28	-5.29
Rochester, NY	Ozone	Former Subpart 1	50	-	-12.92	-19.33	-46.37
Rocky Mount, NC	Ozone	Maintenance	100	-	-3.65	-5.38	-12.48
Rome, GA	PM _{2.5}	Nonattainment	100	-	-4.07	-5.95	-13.61
Ronan, MT	PM ₁₀	Moderate	100	-	-0.02	-0.02	-0.06
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.08	-0.12	-0.27
Sacramento County, CA	PM ₁₀	Moderate	100	-	-8.40	-12.81	-31.96
Sacramento Metro, CA	Ozone	Severe	25	-	-21.24	-31.93	-77.32
Sacramento, CA	CO	Maintenance	100	-	-9.42	-14.35	-35.77
Salem, OR	CO	Maintenance	100	-	-1.09	-1.63	-3.96
Salt Lake City, UT	CO	Maintenance	100	-	-2.39	-3.57	-8.47
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-7.77	-11.72	-28.59
Salt Lake County, UT	SO _x	Nonattainment	100	-	-6.77	-10.27	-25.34
San Antonio, TX	Ozone	Former Subpart 1	50	-	-54.68	-80.17	-183.71
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-2.01	-3.10	-7.91
San Diego, CA	CO	Maintenance	100	-	-16.60	-25.81	-66.97
San Diego, CA	Ozone	Former Subpart 1	50	-	-16.63	-25.86	-67.09
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-95.76	-141.72	-331.67
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-98.85	-146.56	-344.44
San Joaquin Valley, CA	Ozone	Extreme	10	-	-55.06	-81.81	-193.16
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-55.45	-82.39	-194.50
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-55.06	-81.81	-193.16
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-0.24	-0.36	-0.88
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.04	-0.05	-0.12
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-9.67	-14.33	-33.63
Seattle-Tacoma, WA	CO	Maintenance	100	-	-44.05	-65.22	-152.76
Sheboygan, WI	Ozone	Moderate	50	-	-1.45	-2.16	-5.10
Sheridan, WY	PM ₁₀	Moderate	100	-	-1.32	-1.93	-4.37
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00

Table B2-17
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Volatile Organic Compound (VOC) 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Somerville, NJ	CO	Maintenance	100	-	-0.08	-0.12	-0.31
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-6.83	-10.11	-23.68
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-1.38	-2.08	-5.07
Spokane County, WA	PM ₁₀	Maintenance	100	-	-5.84	-8.61	-19.94
Spokane, WA	CO	Maintenance	100	-	-5.78	-8.52	-19.75
Springfield (western MA), MA	Ozone	Moderate	50	-	-4.88	-7.47	-18.78
Springfield, MA	CO	Maintenance	100	-	-0.89	-1.35	-3.36
St Louis, MO	CO	Maintenance	100	-	-33.66	-49.28	-112.53
St Louis, MO-IL	Ozone	Moderate	50	-	-84.40	-123.82	-284.13
St. Louis, MO-IL	PM _{2,5}	Nonattainment	100	-	-84.26	-123.61	-283.60
State College, PA	Ozone	Maintenance	100	-	-0.66	-1.02	-2.68
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.36	-0.53	-1.23
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-2.41	-3.52	-7.97
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-6.13	-8.94	-20.24
Steubenville-Weirton, OH-WV	PM _{2,5}	Nonattainment	100	-	-6.13	-8.94	-20.24
Stockton, CA	CO	Maintenance	100	-	-4.64	-6.93	-16.54
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-12.92	-18.98	-43.70
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.05
Terre Haute, IN	Ozone	Maintenance	100	-	-5.47	-8.00	-18.23
Tioga County, PA	Ozone	Maintenance	100	-	-0.46	-0.69	-1.67
Toledo, OH	Ozone	Maintenance	100	-	-16.18	-23.73	-54.41
Toms River, NJ	CO	Maintenance	100	-	-0.46	-0.71	-1.81
Tooele County, UT	SO _x	Nonattainment	100	-	-2.82	-4.14	-9.50
Trenton, NJ	CO	Maintenance	100	-	-0.57	-0.86	-2.14
Trona, CA	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.06
Tucson, AZ	CO	Maintenance	100	-	-11.57	-17.22	-40.78
Utah County, UT	PM ₁₀	Moderate	100	-	-5.09	-7.59	-18.09
Vancouver, WA	CO	Maintenance	100	-	-2.89	-4.32	-10.36
Ventura County, CA	Ozone	Serious	50	-	-4.17	-6.40	-16.17
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.54	-0.79	-1.78
Vigo County, IN	SO _x	Maintenance	100	-	-5.47	-8.00	-18.23
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-0.30	-0.46	-1.15
Warren County, NJ	SO _x	Maintenance	100	-	-0.20	-0.31	-0.78
Warren County, PA	SO _x	Nonattainment	100	-	-0.16	-0.23	-0.55
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-6.48	-9.51	-21.78
Washington, DC-MD-VA	CO	Maintenance	100	-	-7.47	-11.52	-29.37

Table B2-17
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Volatile Organic Compound (VOC) 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-31.29	-47.71	-118.97
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-29.07	-44.43	-111.39
Washoe County, NV	PM ₁₀	Serious	70	-	-2.77	-4.13	-9.80
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.20	-0.29	-0.65
Wayne County, IN	SO _x	Maintenance	100	-	-2.35	-3.44	-7.88
Wayne County, MI	PM ₁₀	Maintenance	100	-	-4.70	-6.86	-15.52
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.41	-0.60	-1.36
Weirton, WV	SO _x	Maintenance	100	-	-0.54	-0.79	-1.79
Wheeling, WV-OH	Ozone	Maintenance	100	-	-5.91	-8.64	-19.71
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-5.91	-8.64	-19.71
Winston-Salem, NC	CO	Maintenance	100	-	-5.62	-8.34	-19.61
Worcester, MA	CO	Maintenance	100	-	-0.91	-1.41	-3.65
Yakima County, WA	PM ₁₀	Maintenance	100	-	-2.58	-3.79	-8.70
Yakima, WA	CO	Maintenance	100	-	-1.03	-1.51	-3.48
York, PA	Ozone	Maintenance	100	-	-5.94	-8.82	-20.75
York, PA	PM _{2.5}	Nonattainment	100	-	-3.81	-5.68	-13.51
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-7.58	-11.29	-26.79
Yuma, AZ	PM ₁₀	Moderate	100	-	-2.74	-4.06	-9.51

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

Table B2-18
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Volatile Organic Compound (VOC) 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.16	-0.28	-0.55
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.11	-0.20	-0.45
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.12	-0.21	-0.47
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-41.35	-73.37	-158.67
Albuquerque, NM	CO	Maintenance	100	-	-16.55	-29.62	-65.33
Allegan County, MI	Ozone	Former Subpart 1	50	-	-7.23	-12.57	-25.91
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-12.04	-22.08	-51.38
Altoona, PA	Ozone	Maintenance	100	-	-6.60	-11.38	-22.94
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-1.01	-2.23	-7.05
Anchorage, AK	CO	Maintenance	100	-	-11.49	-19.69	-39.08
Anthony, NM	PM ₁₀	Moderate	100	-	-0.57	-0.98	-1.95
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.03	-0.06	-0.20
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.53	-0.90	-1.80
Atlanta, GA	Ozone	Moderate	50	-	-198.65	-354.24	-775.31
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-198.96	-354.77	-776.35
Atlantic City, NJ	CO	Maintenance	100	-	-0.64	-1.23	-3.19
Bakersfield, CA	CO	Maintenance	100	-	-24.43	-42.33	-86.39
Baltimore, MD	CO	Maintenance	100	-	-0.52	-0.90	-1.85
Baltimore, MD	Ozone	Moderate	50	-	-42.55	-80.90	-202.50
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-42.55	-80.90	-202.49
Baton Rouge, LA	Ozone	Moderate	50	-	-109.70	-185.98	-358.21
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-184.06	-309.46	-582.28
Benton County, TN	SO _x	Maintenance	100	-	-0.21	-0.36	-0.68
Benton Harbor, MI	Ozone	Maintenance	100	-	-14.25	-24.44	-48.58
Benzie County, MI	Ozone	Maintenance	100	-	-1.40	-2.41	-4.89
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-9.45	-16.30	-32.86
Billings, MT	CO	Maintenance	100	-	-49.84	-83.68	-156.84
Birmingham, AL	Ozone	Maintenance	100	-	-29.87	-53.29	-116.73
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-30.07	-53.63	-117.42
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-27.04	-46.33	-91.80
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-27.04	-46.33	-91.80
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-1.18	-2.03	-4.06
Boston, MA	CO	Maintenance	100	-	-13.28	-24.99	-61.31
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-58.83	-114.99	-302.73
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-5.38	-11.11	-31.99
Boyd County (part), KY	SO _x	Maintenance	100	-	-2.93	-4.93	-9.34

Table B2-18
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Volatile Organic Compound (VOC) 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-27.79	-50.25	-113.50
Burlington, NJ	CO	Maintenance	100	-	-0.12	-0.22	-0.55
Butte, MT	PM ₁₀	Moderate	100	-	-4.13	-6.99	-13.36
Canon City, CO	PM ₁₀	Maintenance	100	-	-1.84	-3.14	-6.17
Canton-Massillon, OH	Ozone	Maintenance	100	-	-21.34	-36.68	-73.31
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-21.34	-36.68	-73.31
Case County, MI	Ozone	Maintenance	100	-	-2.72	-4.70	-9.50
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.07	-0.12	-0.24
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.92	-1.56	-3.01
Charleston, WV	Ozone	Maintenance	100	-	-6.51	-11.79	-26.73
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-6.51	-11.79	-26.73
Charlotte, NC	CO	Maintenance	100	-	-14.02	-25.86	-60.91
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-53.70	-95.22	-205.74
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-50.45	-86.24	-169.84
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-46.19	-78.95	-155.44
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-162.99	-295.71	-672.80
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-172.57	-312.52	-708.24
Chico, CA	CO	Maintenance	100	-	-3.36	-5.98	-13.02
Chico, CA	Ozone	Former Subpart 1	50	-	-7.75	-13.79	-30.01
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-51.25	-92.18	-205.71
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-47.57	-85.83	-192.91
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.64	-1.11	-2.31
Clark County, NV	PM ₁₀	Serious	70	-	-28.53	-52.62	-124.02
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-27.94	-47.61	-93.04
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-15.65	-26.79	-52.95
Cleveland, OH	CO	Maintenance	100	-	-27.75	-49.48	-108.28
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-54.53	-99.60	-229.99
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-50.05	-91.46	-211.37
Coachella Valley, CA	PM ₁₀	Serious	70	-	-2.79	-6.74	-23.68
Colbert County, AL	SO _x	Maintenance	100	-	-4.75	-8.14	-16.18
Colorado Springs, CO	CO	Maintenance	100	-	-33.91	-58.68	-119.40
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.51	-0.87	-1.72
Columbia, SC	Ozone	Former Subpart 1	50	-	-55.47	-94.97	-187.90
Columbus, OH	Ozone	Maintenance	100	-	-58.47	-103.32	-221.39

Table B2-18
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Volatile Organic Compound (VOC) 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-49.89	-88.56	-191.82
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.09	-0.16	-0.35
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.05
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-27.75	-49.48	-108.28
Cuyahoga County, OH	SO _x	Maintenance	100	-	-22.69	-40.46	-88.54
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-187.42	-336.32	-746.81
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-25.71	-45.74	-99.59
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-22.25	-39.64	-86.56
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-47.93	-89.89	-219.13
Denver-Boulder, CO	CO	Maintenance	100	-	-47.04	-87.99	-213.33
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-88.37	-159.59	-359.41
Detroit, MI	CO	Maintenance	100	-	-58.47	-103.03	-219.21
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-142.78	-254.00	-552.80
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-136.49	-243.19	-531.21
Door County, WI	Ozone	Former Subpart 1	50	-	-0.32	-0.66	-1.86
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-1.04	-1.86	-4.07
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-0.82	-1.47	-3.22
Duluth, MN	CO	Maintenance	100	-	-6.23	-10.69	-21.29
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.69	-1.19	-2.36
East Chicago, IN	CO	Maintenance	100	-	-0.06	-0.11	-0.22
East Chicago, IN	PM ₁₀	Maintenance	100	-	-36.74	-62.18	-119.18
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.08	-0.14	-0.27
El Paso County, TX	PM ₁₀	Moderate	100	-	-22.13	-38.63	-80.28
El Paso, TX	CO	Maintenance	100	-	-1.16	-2.04	-4.35
Erie, PA	Ozone	Maintenance	100	-	-6.53	-11.66	-25.65
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.02	-0.04	-0.10
Eugene-Springfield, OR	CO	Maintenance	100	-	-17.26	-29.64	-59.12
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-16.49	-28.33	-56.50
Evansville, IN	Ozone	Maintenance	100	-	-11.13	-19.45	-40.56
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-18.61	-32.22	-65.57
Fairbanks, AK	CO	Maintenance	100	-	-2.33	-3.96	-7.67
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-5.62	-10.35	-24.39
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.67	-1.14	-2.25
Flint, MI	Ozone	Maintenance	100	-	-13.54	-24.35	-54.32
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.10	-0.17	-0.34
Fort Collins, CO	CO	Maintenance	100	-	-7.82	-13.67	-28.49

Table B2-18
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Volatile Organic Compound (VOC) 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.06	-0.11	-0.22
Fort Wayne, IN	Ozone	Maintenance	100	-	-32.03	-54.81	-108.27
Franklin County, PA	Ozone	Maintenance	100	-	-11.28	-19.37	-38.66
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.06	-0.11	-0.22
Frederick County, VA	Ozone	Former Subpart 1	50	-	-18.09	-30.71	-59.37
Fredericksburg, VA	Ozone	Maintenance	100	-	-17.88	-31.28	-65.38
Freehold, NJ	CO	Maintenance	100	-	-0.20	-0.39	-1.04
Fresno, CA	CO	Maintenance	100	-	-9.46	-17.74	-43.25
Grand Rapids, MI	Ozone	Maintenance	100	-	-30.50	-53.68	-113.95
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-2.55	-4.40	-8.89
Grant County, NM	SO _x	Maintenance	100	-	-0.32	-0.54	-1.06
Grants Pass, OR	CO	Maintenance	100	-	-0.03	-0.06	-0.12
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-2.49	-4.27	-8.51
Great Falls, MT	CO	Maintenance	100	-	-2.41	-4.09	-7.95
Greater Connecticut, CT	Ozone	Moderate	50	-	-34.94	-63.81	-147.24
Greeley, CO	CO	Maintenance	100	-	-11.55	-19.73	-38.84
Green Bay, WI	SO _x	Maintenance	100	-	-4.06	-7.19	-15.51
Greene County, IN	Ozone	Maintenance	100	-	-7.19	-12.19	-23.51
Greene County, PA	Ozone	Maintenance	100	-	-4.95	-8.43	-16.46
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-49.80	-88.63	-193.03
Greensboro-Winston salem-High Point, NC	PM _{2,5}	Nonattainment	100	-	-22.39	-40.08	-88.49
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-91.61	-156.28	-306.18
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-0.55	-0.99	-2.23
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-4.60	-8.07	-17.01
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-18.26	-33.34	-76.89
Harrisburg-Lebanon-Carlisle, PA	PM _{2,5}	Nonattainment	100	-	-18.04	-32.75	-74.64
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-18.94	-35.14	-83.85
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.21	-0.39	-0.90
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-1.16	-2.07	-4.52
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.07	-0.14	-0.35
Hazelwood, PA	SO _x	Maintenance	100	-	-1.84	-3.21	-6.67
Hickory, NC	PM _{2,5}	Nonattainment	100	-	-4.92	-8.81	-19.47
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-8.78	-15.65	-34.20
Hollis Township, IL	SO _x	Maintenance	100	-	-0.03	-0.06	-0.16
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-691.83	-1,176.52	-2,285.43
Humphreys County, TN	SO _x	Maintenance	100	-	-0.31	-0.52	-1.02
Huntington-Ashland, WV-KY-OH	PM _{2,5}	Nonattainment	100	-	-76.50	-129.06	-245.23

Table B2-18
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Volatile Organic Compound (VOC) 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
		t					
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-62.93	-105.90	-199.73
Huron County, MI	Ozone	Maintenance	100	-	-1.84	-3.17	-6.40
Imperial County, CA	Ozone	Moderate	50	-	-5.13	-9.29	-21.10
Imperial Valley, CA	PM ₁₀	Serious	70	-	-5.01	-9.08	-20.62
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-1.50	-2.62	-5.46
Indianapolis, IN	CO	Maintenance	100	-	-0.05	-0.09	-0.19
Indianapolis, IN	Ozone	Maintenance	100	-	-72.89	-128.51	-273.82
Indianapolis, IN	PM _{2,5}	Nonattainment	100	-	-55.63	-98.27	-210.37
Jackson County, IN	Ozone	Maintenance	100	-	-11.27	-19.13	-36.95
Jamestown, NY	Ozone	Former Subpart 1	50	-	-6.05	-10.63	-22.46
Jefferson County, NY	Ozone	Moderate	50	-	-2.33	-4.30	-10.14
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-1.06	-1.80	-3.47
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-26.28	-44.71	-86.89
Johnstown, PA	Ozone	Maintenance	100	-	-5.45	-9.46	-19.34
Johnstown, PA	PM _{2,5}	Nonattainment	100	-	-7.20	-12.42	-25.01
Juneau, AK	PM ₁₀	Moderate	100	-	-1.82	-3.09	-5.93
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-25.07	-43.60	-89.84
Kalispell, MT	PM ₁₀	Moderate	100	-	-2.74	-4.68	-9.22
Kansas City, MO-KS	Ozone	Maintenance	100	-	-107.77	-185.82	-374.51
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-0.26	-0.90	-4.17
Kent, WA	PM ₁₀	Maintenance	100	-	-0.97	-1.71	-3.61
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-3.71	-6.48	-13.48
Kewaunee County, WI	Ozone	Maintenance	100	-	-0.69	-1.24	-2.74
King County, WA	PM ₁₀	Maintenance	100	-	-0.40	-0.70	-1.48
Klamath Falls, OR	CO	Maintenance	100	-	-4.51	-7.70	-15.18
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-4.51	-7.70	-15.18
Knoxville, TN	Ozone	Former Subpart 1	50	-	-99.39	-170.25	-337.25
Knoxville, TN	PM _{2,5}	Nonattainment	100	-	-82.10	-140.44	-277.13
La Porte County, IN	SO _x	Maintenance	100	-	-3.21	-5.49	-10.81
LaGrande, OR	PM ₁₀	Maintenance	100	-	-1.71	-2.90	-5.66
Lake County, IN	SO _x	Maintenance	100	-	-17.95	-31.04	-62.99
Lake County, OH	SO _x	Maintenance	100	-	-0.46	-0.89	-2.27
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.60	-1.03	-2.02
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-0.16	-0.36	-1.17
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-0.40	-0.87	-2.72
Lake Tahoe, NV	CO	Maintenance	100	-	-0.44	-0.80	-1.83

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Lamar, CO	PM ₁₀	Maintenance	100	-	-1.99	-3.36	-6.40
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.04	-0.07	-0.16
Lancaster, PA	Ozone	Maintenance	100	-	-5.49	-10.65	-27.65
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-5.49	-10.65	-27.65
Lane County, OR	PM ₁₀	Moderate	100	-	-0.11	-0.19	-0.37
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-7.66	-14.36	-35.00
LaPorte, IN	Ozone	Maintenance	100	-	-8.99	-15.37	-30.26
Las Vegas, NV	CO	Serious	100	-	-28.53	-52.62	-124.02
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-28.95	-53.40	-125.85
Lauderdale County, AL	SO _x	Maintenance	100	-	-1.29	-2.45	-6.09
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.15	-0.26	-0.51
Libby, MT	PM ₁₀	Moderate	100	-	-0.24	-0.41	-0.84
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.32	-0.55	-1.12
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.64	-1.11	-2.31
Lima, OH	Ozone	Maintenance	100	-	-20.64	-34.91	-66.79
Longmont, CO	CO	Maintenance	100	-	-0.64	-1.36	-4.12
Lorain County, OH	SO _x	Maintenance	100	-	-0.84	-1.55	-3.69
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-304.53	-559.19	-1,305.57
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	-304.53	-559.19	-1,305.57
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-304.53	-559.19	-1,305.57
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-304.54	-559.20	-1,305.59
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-304.52	-559.16	-1,305.50
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-10.05	-19.05	-47.47
Louisville, KY-IN	Ozone	Maintenance	100	-	-32.25	-57.63	-126.78
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-32.61	-58.12	-127.05
Lowell, MA	CO	Maintenance	100	-	-1.44	-2.77	-7.13
Lucas County, OH	SO _x	Maintenance	100	-	-8.36	-14.97	-33.02
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-1.14	-2.11	-5.01
Macon, GA	Ozone	Maintenance	100	-	-20.11	-34.34	-67.49
Macon, GA	PM _{2.5}	Nonattainment	100	-	-19.95	-34.07	-66.95
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.15	-0.25	-0.52
Madison, WI	SO _x	Maintenance	100	-	-6.69	-11.98	-26.55
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.40	-0.71	-1.48
Manchester, NH	CO	Maintenance	100	-	-0.29	-0.73	-2.70
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-1.12	-2.20	-5.86

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Marion County, IN	SO _x	Maintenance	100	-	-16.97	-29.42	-60.13
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-1.82	-3.41	-8.30
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-22.36	-38.46	-77.06
Mason County, MI	Ozone	Maintenance	100	-	-1.39	-2.41	-4.93
Medford, OR	CO	Maintenance	100	-	-0.81	-1.61	-4.36
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-1.94	-3.85	-10.39
Memphis, TN-AR	Ozone	Maintenance	100	-	-51.40	-89.29	-183.36
Memphis, TN	CO	Maintenance	100	-	-32.97	-58.15	-124.09
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-0.99	-1.76	-3.78
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.23	-0.40	-0.84
Milwaukee, WI	SO _x	Maintenance	100	-	-14.72	-26.34	-58.17
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-42.59	-77.06	-174.26
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-168.79	-291.91	-592.91
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-123.16	-215.26	-449.02
Missoula, MT	CO	Maintenance	100	-	-10.15	-17.19	-33.03
Missoula, MT	PM ₁₀	Moderate	100	-	-9.83	-16.66	-32.00
Modesto, CA	CO	Maintenance	100	-	-9.82	-17.45	-37.82
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-3.03	-5.41	-11.86
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.06	-0.11	-0.22
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.11	-0.19	-0.42
Morristown, NJ	CO	Maintenance	100	-	-0.41	-0.79	-2.05
Muhlenberg County, KY	SO _x	Maintenance	100	-	-2.23	-3.83	-7.62
Muncie, IN	Ozone	Maintenance	100	-	-16.22	-27.52	-53.19
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.28	-0.49	-0.99
Muscatine County, IA	SO _x	Maintenance	100	-	-1.12	-1.92	-3.84
Muskegon, MI	Ozone	Maintenance	100	-	-8.36	-14.42	-29.06
Nashua, NH	CO	Maintenance	100	-	-0.23	-0.58	-2.15
Nashville, TN	Ozone	Former Subpart 1	50	-	-45.34	-81.20	-179.47
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-2.59	-4.80	-11.38
New Haven County, CT	PM ₁₀	Maintenance	100	-	-8.12	-14.05	-28.54
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-43.49	-75.35	-153.77
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.63	-1.07	-2.10
New York County, NY	PM ₁₀	Moderate	100	-	-85.43	-144.52	-276.62
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-346.99	-606.22	-1,263.22
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-502.40	-889.11	-1,911.57
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-489.66	-867.37	-1,868.96
Nogales, AZ	PM ₁₀	Moderate	100	-	-1.20	-2.15	-4.71

Table B2-18
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Volatile Organic Compound (VOC) 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-70.91	-123.80	-257.54
Ogden, UT	CO	Maintenance	100	-	-1.17	-2.19	-5.30
Ogden, UT	PM ₁₀	Moderate	100	-	-1.17	-2.19	-5.30
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.06	-0.11	-0.24
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.97	-1.69	-3.50
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-2.97	-5.32	-11.75
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.13	-0.23	-0.49
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.02
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-10.56	-18.15	-36.27
Parkersburg-Marietta, WV-OH	PM _{2,5}	Nonattainment	100	-	-11.23	-19.28	-38.39
Payson, AZ	PM ₁₀	Maintenance	100	-	-0.66	-1.16	-2.50
Penns Grove, NJ	CO	Maintenance	100	-	-0.01	-0.02	-0.04
Peoria, IL	SO _x	Maintenance	100	-	-1.35	-2.58	-6.53
Perth Amboy, NJ	CO	Maintenance	100	-	-3.31	-5.80	-12.15
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-8.89	-16.14	-36.79
Phildelphia-Wilmington, PA-NY-DE	PM _{2,5}	Nonattainment	100	-	-233.48	-405.23	-830.60
Phildelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-271.32	-475.30	-997.09
Phoenix, AZ	CO	Maintenance	100	-	-48.30	-96.07	-260.67
Phoenix, AZ	PM ₁₀	Serious	70	-	-50.35	-99.98	-270.42
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-50.52	-100.32	-271.35
Pierce County, WA	PM ₁₀	Maintenance	100	-	-1.37	-2.34	-4.53
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.09	-0.15	-0.31
Pittsburgh, PA	CO	Maintenance	100	-	-1.06	-1.86	-3.85
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-84.57	-148.05	-310.11
Pittsburgh-Beaver Valley, PA	PM _{2,5}	Nonattainment	100	-	-71.19	-125.09	-264.40
Polk County, TN	SO _x	Maintenance	100	-	-1.86	-3.19	-6.30
Polson, MT	PM ₁₀	Moderate	100	-	-0.11	-0.19	-0.40
Portland, ME	Ozone	Maintenance	100	-	-16.94	-30.17	-65.85
Portland, OR	CO	Maintenance	100	-	-27.51	-49.81	-112.77
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-3.92	-6.70	-13.22
Poughkeepsie, NY	Ozone	Moderate	50	-	-22.69	-42.39	-102.59
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.66	-1.14	-2.28
Providence (entire State), RI	Ozone	Moderate	50	-	-39.14	-68.71	-144.87
Provo, UT	CO	Maintenance	100	-	-4.08	-7.36	-16.52
Raleigh-Durham, NC	CO	Maintenance	100	-	-18.34	-34.91	-87.62
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-28.95	-54.21	-131.77
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.11	-0.20	-0.40
Reading, PA	Ozone	Maintenance	100	-	-9.91	-17.67	-38.65

Table B2-18
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Volatile Organic Compound (VOC) 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Reading, PA	PM _{2.5}	Nonattainment	100	-	-9.91	-17.67	-38.65
Reno, NV	CO	Maintenance	100	-	-6.62	-11.87	-26.32
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.06	-0.11	-0.21
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-32.14	-57.77	-128.71
Rillito, AZ	PM ₁₀	Moderate	100	-	-1.36	-2.43	-5.36
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-2.79	-6.74	-23.68
Roanoke, VA	Ozone	Former Subpart 1	50	-	-16.09	-27.79	-56.22
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-3.69	-6.44	-13.36
Rochester, NY	Ozone	Former Subpart 1	50	-	-30.98	-56.18	-127.73
Rocky Mount, NC	Ozone	Maintenance	100	-	-8.81	-15.35	-31.77
Rome, GA	PM _{2.5}	Nonattainment	100	-	-9.82	-16.84	-33.39
Ronan, MT	PM ₁₀	Moderate	100	-	-0.04	-0.07	-0.15
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.19	-0.33	-0.65
Sacramento County, CA	PM ₁₀	Moderate	100	-	-19.57	-37.60	-95.95
Sacramento Metro, CA	Ozone	Severe	25	-	-49.88	-92.21	-218.26
Sacramento, CA	CO	Maintenance	100	-	-21.82	-41.93	-107.02
Salem, OR	CO	Maintenance	100	-	-2.58	-4.75	-11.10
Salt Lake City, UT	CO	Maintenance	100	-	-5.74	-10.30	-22.84
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-18.51	-34.31	-81.71
Salt Lake County, UT	SO _x	Nonattainment	100	-	-16.08	-30.25	-74.16
San Antonio, TX	Ozone	Former Subpart 1	50	-	-131.86	-226.77	-453.96
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-4.57	-9.04	-24.30
San Diego, CA	CO	Maintenance	100	-	-38.21	-77.39	-216.23
San Diego, CA	Ozone	Former Subpart 1	50	-	-38.28	-77.53	-216.62
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-229.53	-404.97	-864.40
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-236.72	-419.75	-906.70
San Joaquin Valley, CA	Ozone	Extreme	10	-	-131.39	-234.67	-515.52
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-132.24	-236.16	-518.62
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-131.39	-234.67	-515.52
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-0.57	-1.06	-2.56
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.09	-0.15	-0.29
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-23.28	-41.13	-88.11
Seattle-Tacoma, WA	CO	Maintenance	100	-	-105.51	-186.31	-398.39
Sheboygan, WI	Ozone	Moderate	50	-	-3.48	-6.21	-13.61
Sheridan, WY	PM ₁₀	Moderate	100	-	-3.16	-5.36	-10.35
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00

Table B2-18
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Volatile Organic Compound (VOC) 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Somerville, NJ	CO	Maintenance	100	-	-0.18	-0.36	-0.97
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-16.44	-28.98	-61.75
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-3.21	-5.94	-14.09
Spokane County, WA	PM ₁₀	Maintenance	100	-	-14.00	-24.39	-50.52
Spokane, WA	CO	Maintenance	100	-	-13.85	-24.14	-50.00
Springfield (western MA), MA	Ozone	Moderate	50	-	-11.60	-22.31	-57.00
Springfield, MA	CO	Maintenance	100	-	-2.17	-4.10	-10.12
St Louis, MO	CO	Maintenance	100	-	-81.62	-139.62	-275.52
St Louis, MO-IL	Ozone	Moderate	50	-	-203.96	-351.04	-704.12
St. Louis, MO-IL	PM _{2,5}	Nonattainment	100	-	-203.62	-350.41	-702.59
State College, PA	Ozone	Maintenance	100	-	-1.53	-3.11	-8.75
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.88	-1.53	-3.17
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-5.83	-9.90	-19.15
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-14.84	-25.16	-48.44
Steubenville-Weirton, OH-WV	PM _{2,5}	Nonattainment	100	-	-14.84	-25.16	-48.44
Stockton, CA	CO	Maintenance	100	-	-11.11	-20.10	-45.45
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-31.22	-53.92	-109.18
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.03	-0.06	-0.14
Terre Haute, IN	Ozone	Maintenance	100	-	-13.25	-22.60	-44.31
Tioga County, PA	Ozone	Maintenance	100	-	-1.10	-2.02	-4.73
Toledo, OH	Ozone	Maintenance	100	-	-39.10	-67.24	-134.56
Toms River, NJ	CO	Maintenance	100	-	-1.10	-2.16	-5.74
Tooele County, UT	SO _x	Nonattainment	100	-	-6.81	-11.72	-23.55
Trenton, NJ	CO	Maintenance	100	-	-1.37	-2.59	-6.35
Trona, CA	PM ₁₀	Moderate	100	-	-0.03	-0.07	-0.18
Tucson, AZ	CO	Maintenance	100	-	-27.66	-49.51	-109.35
Utah County, UT	PM ₁₀	Moderate	100	-	-12.14	-21.90	-49.15
Vancouver, WA	CO	Maintenance	100	-	-6.80	-12.39	-28.45
Ventura County, CA	Ozone	Serious	50	-	-9.68	-18.92	-49.81
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-1.31	-2.21	-4.24
Vigo County, IN	SO _x	Maintenance	100	-	-13.25	-22.60	-44.31
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-0.71	-1.38	-3.54
Warren County, NJ	SO _x	Maintenance	100	-	-0.48	-0.92	-2.34
Warren County, PA	SO _x	Nonattainment	100	-	-0.37	-0.67	-1.50
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-15.66	-26.91	-53.73
Washington, DC-MD-VA	CO	Maintenance	100	-	-17.82	-34.89	-92.09

Table B2-18
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Volatile Organic Compound (VOC) 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-73.84	-141.04	-356.16
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-68.50	-131.74	-336.90
Washoe County, NV	PM ₁₀	Serious	70	-	-6.62	-11.87	-26.32
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.47	-0.80	-1.56
Wayne County, IN	SO _x	Maintenance	100	-	-5.71	-9.78	-19.44
Wayne County, MI	PM ₁₀	Maintenance	100	-	-11.52	-19.52	-37.58
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.98	-1.67	-3.27
Weirton, WV	SO _x	Maintenance	100	-	-1.29	-2.21	-4.32
Wheeling, WV-OH	Ozone	Maintenance	100	-	-14.31	-24.43	-48.02
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-14.31	-24.43	-48.02
Winston-Salem, NC	CO	Maintenance	100	-	-13.51	-23.94	-51.65
Worcester, MA	CO	Maintenance	100	-	-2.14	-4.29	-11.76
Yakima County, WA	PM ₁₀	Maintenance	100	-	-6.18	-10.65	-21.42
Yakima, WA	CO	Maintenance	100	-	-2.54	-4.38	-8.81
York, PA	Ozone	Maintenance	100	-	-14.25	-25.30	-54.77
York, PA	PM _{2.5}	Nonattainment	100	-	-9.13	-16.40	-36.51
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-18.30	-32.71	-71.91
Yuma, AZ	PM ₁₀	Moderate	100	-	-6.56	-11.59	-24.78

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

Table B2-19
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Volatile Organic Compound (VOC) 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.51	-0.91	-1.67
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.32	-0.72	-1.74
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.33	-0.75	-1.81
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-125.65	-266.44	-603.27
Albuquerque, NM	CO	Maintenance	100	-	-49.68	-109.03	-255.85
Allegan County, MI	Ozone	Former Subpart 1	50	-	-22.54	-44.17	-91.17
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-34.28	-84.36	-219.50
Altoona, PA	Ozone	Maintenance	100	-	-21.42	-39.41	-74.58
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-0.55	-10.63	-47.20
Anchorage, AK	CO	Maintenance	100	-	-35.75	-65.51	-123.18
Anthony, NM	PM ₁₀	Moderate	100	-	-1.76	-3.21	-6.02
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.05	-0.31	-1.22
Aspen, CO	PM ₁₀	Maintenance	100	-	-1.69	-3.11	-5.87
Atlanta, GA	Ozone	Moderate	50	-	-588.73	-1,296.73	-3,054.10
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-589.54	-1,298.19	-3,056.78
Atlantic City, NJ	CO	Maintenance	100	-	-1.60	-5.00	-15.21
Bakersfield, CA	CO	Maintenance	100	-	-73.38	-142.07	-288.66
Baltimore, MD	CO	Maintenance	100	-	-1.82	-3.43	-6.72
Baltimore, MD	Ozone	Moderate	50	-	-108.97	-325.50	-967.50
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-108.97	-325.50	-967.49
Baton Rouge, LA	Ozone	Moderate	50	-	-362.55	-624.65	-1,062.59
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-617.52	-1,023.56	-1,619.84
Benton County, TN	SO _x	Maintenance	100	-	-0.66	-1.13	-1.89
Benton Harbor, MI	Ozone	Maintenance	100	-	-46.67	-83.85	-152.98
Benzie County, MI	Ozone	Maintenance	100	-	-4.38	-8.38	-16.72
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-30.18	-56.43	-109.31
Billings, MT	CO	Maintenance	100	-	-167.79	-276.62	-433.09
Birmingham, AL	Ozone	Maintenance	100	-	-91.03	-195.27	-447.62
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-91.68	-196.50	-450.01
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-87.38	-158.60	-293.96
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-87.38	-158.60	-293.96
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-3.95	-7.32	-14.02
Boston, MA	CO	Maintenance	100	-	-36.97	-100.51	-281.56
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-143.36	-479.95	-1,516.22
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-10.49	-49.33	-177.80
Boyd County (part), KY	SO _x	Maintenance	100	-	-10.34	-17.27	-27.73

Table B2-19
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Volatile Organic Compound (VOC) 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-82.36	-188.09	-458.67
Burlington, NJ	CO	Maintenance	100	-	-0.25	-0.74	-2.16
Butte, MT	PM ₁₀	Moderate	100	-	-13.79	-23.33	-38.42
Canon City, CO	PM ₁₀	Maintenance	100	-	-6.21	-11.14	-20.26
Canton-Massillon, OH	Ozone	Maintenance	100	-	-69.32	-126.27	-235.37
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-69.32	-126.27	-235.37
Case County, MI	Ozone	Maintenance	100	-	-8.76	-16.30	-31.33
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.26	-0.46	-0.82
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-3.08	-5.28	-8.90
Charleston, WV	Ozone	Maintenance	100	-	-19.68	-44.26	-106.37
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-19.68	-44.26	-106.37
Charlotte, NC	CO	Maintenance	100	-	-38.17	-99.61	-271.14
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-161.47	-345.60	-790.34
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-164.89	-294.00	-529.83
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-150.85	-269.06	-485.20
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-469.69	-1,112.12	-2,801.60
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-499.29	-1,172.09	-2,930.54
Chico, CA	CO	Maintenance	100	-	-10.20	-22.87	-54.79
Chico, CA	Ozone	Former Subpart 1	50	-	-22.42	-50.25	-120.41
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-151.75	-342.09	-824.10
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-140.05	-320.10	-781.23
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-1.90	-3.69	-7.48
Clark County, NV	PM ₁₀	Serious	70	-	-75.66	-203.41	-565.48
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-91.18	-161.44	-287.70
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-51.06	-91.55	-166.45
Cleveland, OH	CO	Maintenance	100	-	-86.32	-181.26	-406.05
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-159.03	-378.65	-958.48
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-146.18	-347.92	-880.41
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.39	-35.03	-166.80
Colbert County, AL	SO _x	Maintenance	100	-	-15.57	-27.93	-50.82
Colorado Springs, CO	CO	Maintenance	100	-	-107.07	-204.88	-409.77
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-1.68	-3.02	-5.52
Columbia, SC	Ozone	Former Subpart 1	50	-	-180.32	-324.88	-595.33
Columbus, OH	Ozone	Maintenance	100	-	-176.45	-372.74	-840.54

Table B2-19
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Volatile Organic Compound (VOC) 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-148.88	-321.85	-743.78
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.25	-0.54	-1.26
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.03	-0.07	-0.16
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-86.32	-181.26	-406.06
Cuyahoga County, OH	SO _x	Maintenance	100	-	-71.78	-150.72	-337.64
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-541.70	-1,243.27	-3,045.97
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-79.11	-166.94	-376.01
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-68.40	-144.96	-328.03
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-124.17	-354.83	-1,026.79
Denver-Boulder, CO	CO	Maintenance	100	-	-122.75	-345.82	-991.77
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-252.94	-595.97	-1,494.94
Detroit, MI	CO	Maintenance	100	-	-174.80	-353.77	-759.78
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-433.30	-926.53	-2,116.73
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-412.99	-889.34	-2,046.85
Door County, WI	Ozone	Former Subpart 1	50	-	-0.64	-2.89	-10.28
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-2.86	-6.30	-14.86
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-2.31	-5.08	-11.98
Duluth, MN	CO	Maintenance	100	-	-20.61	-37.22	-68.42
Eagle River, AK	PM ₁₀	Moderate	100	-	-2.22	-4.06	-7.64
East Chicago, IN	CO	Maintenance	100	-	-0.19	-0.36	-0.70
East Chicago, IN	PM ₁₀	Maintenance	100	-	-122.06	-208.11	-347.41
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.26	-0.48	-0.88
El Paso County, TX	PM ₁₀	Moderate	100	-	-67.49	-133.89	-280.61
El Paso, TX	CO	Maintenance	100	-	-3.31	-6.88	-15.24
Erie, PA	Ozone	Maintenance	100	-	-19.91	-42.86	-98.62
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.05	-0.16	-0.50
Eugene-Springfield, OR	CO	Maintenance	100	-	-56.91	-104.01	-194.79
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-54.54	-99.66	-186.66
Evansville, IN	Ozone	Maintenance	100	-	-34.98	-68.91	-143.16
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-59.04	-111.37	-218.42
Fairbanks, AK	CO	Maintenance	100	-	-7.48	-13.08	-22.81
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-15.83	-39.91	-105.83
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-2.18	-3.93	-7.19
Flint, MI	Ozone	Maintenance	100	-	-40.66	-90.36	-214.70
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.30	-0.54	-0.96
Fort Collins, CO	CO	Maintenance	100	-	-23.91	-48.17	-102.88

Table B2-19
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Volatile Organic Compound (VOC) 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.20	-0.36	-0.64
Fort Wayne, IN	Ozone	Maintenance	100	-	-104.24	-187.21	-341.34
Franklin County, PA	Ozone	Maintenance	100	-	-36.33	-66.62	-125.40
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.21	-0.37	-0.68
Frederick County, VA	Ozone	Former Subpart 1	50	-	-59.65	-103.41	-177.79
Fredericksburg, VA	Ozone	Maintenance	100	-	-54.65	-110.94	-239.10
Freehold, NJ	CO	Maintenance	100	-	-0.55	-1.85	-5.83
Fresno, CA	CO	Maintenance	100	-	-22.72	-67.29	-199.00
Grand Rapids, MI	Ozone	Maintenance	100	-	-93.29	-192.45	-422.63
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-7.79	-14.47	-27.78
Grant County, NM	SO _x	Maintenance	100	-	-1.01	-1.75	-3.04
Grants Pass, OR	CO	Maintenance	100	-	-0.11	-0.20	-0.39
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-8.21	-15.08	-28.49
Great Falls, MT	CO	Maintenance	100	-	-7.76	-13.46	-23.17
Greater Connecticut, CT	Ozone	Moderate	50	-	-101.87	-242.46	-613.51
Greeley, CO	CO	Maintenance	100	-	-37.92	-67.94	-123.40
Green Bay, WI	SO _x	Maintenance	100	-	-11.82	-25.24	-57.55
Greene County, IN	Ozone	Maintenance	100	-	-23.75	-40.99	-69.92
Greene County, PA	Ozone	Maintenance	100	-	-16.26	-28.56	-50.23
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-151.57	-323.45	-737.40
Greensboro-Winston salem-High Point, NC	PM _{2,5}	Nonattainment	100	-	-67.64	-147.68	-344.75
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-300.67	-530.91	-941.75
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-1.66	-3.76	-9.11
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-14.24	-28.73	-61.49
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-51.64	-126.56	-328.23
Harrisburg-Lebanon-Carlisle, PA	PM _{2,5}	Nonattainment	100	-	-51.67	-123.31	-312.74
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-53.79	-136.51	-363.89
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.61	-1.52	-3.99
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-3.49	-7.76	-18.42
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.22	-0.59	-1.66
Hazelwood, PA	SO _x	Maintenance	100	-	-6.15	-11.90	-24.17
Hickory, NC	PM _{2,5}	Nonattainment	100	-	-14.99	-32.48	-75.24
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-26.92	-57.40	-130.71
Hollis Township, IL	SO _x	Maintenance	100	-	-0.09	-0.25	-0.72
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-2,269.38	-3,973.71	-6,950.90
Humphreys County, TN	SO _x	Maintenance	100	-	-1.03	-1.80	-3.17
Huntington-Ashland, WV-KY-OH	PM _{2,5}	Nonattainment	100	-	-255.50	-429.64	-699.09

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
		t					
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-211.10	-350.81	-557.99
Huron County, MI	Ozone	Maintenance	100	-	-5.95	-10.99	-20.89
Imperial County, CA	Ozone	Moderate	50	-	-14.29	-34.89	-90.17
Imperial Valley, CA	PM ₁₀	Serious	70	-	-13.98	-34.13	-88.24
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-3.94	-7.96	-17.04
Indianapolis, IN	CO	Maintenance	100	-	-0.16	-0.29	-0.58
Indianapolis, IN	Ozone	Maintenance	100	-	-222.82	-461.90	-1,020.03
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-169.27	-354.34	-791.09
Jackson County, IN	Ozone	Maintenance	100	-	-37.27	-64.37	-109.99
Jamestown, NY	Ozone	Former Subpart 1	50	-	-18.89	-38.00	-81.02
Jefferson County, NY	Ozone	Moderate	50	-	-6.60	-16.59	-43.87
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-3.35	-5.77	-9.83
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-86.67	-151.07	-262.21
Johnstown, PA	Ozone	Maintenance	100	-	-17.78	-33.08	-63.62
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-23.27	-42.43	-79.20
Juneau, AK	PM ₁₀	Moderate	100	-	-6.24	-10.75	-18.28
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-79.61	-153.21	-308.83
Kalispell, MT	PM ₁₀	Moderate	100	-	-8.87	-15.96	-29.21
Kansas City, MO-KS	Ozone	Maintenance	100	-	-344.29	-643.21	-1,244.42
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.81	-5.84	-31.67
Kent, WA	PM ₁₀	Maintenance	100	-	-3.16	-6.46	-14.02
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-10.02	-20.23	-43.32
Kewaunee County, WI	Ozone	Maintenance	100	-	-2.11	-4.57	-10.60
King County, WA	PM ₁₀	Maintenance	100	-	-1.25	-2.55	-5.55
Klamath Falls, OR	CO	Maintenance	100	-	-14.78	-26.33	-47.43
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-14.78	-26.33	-47.43
Knoxville, TN	Ozone	Former Subpart 1	50	-	-320.41	-582.49	-1,082.29
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-265.86	-479.23	-878.80
La Porte County, IN	SO _x	Maintenance	100	-	-10.60	-18.80	-33.61
LaGrande, OR	PM ₁₀	Maintenance	100	-	-5.86	-10.25	-17.90
Lake County, IN	SO _x	Maintenance	100	-	-56.79	-106.19	-205.69
Lake County, OH	SO _x	Maintenance	100	-	-1.22	-3.64	-10.83
Lake County, OR	PM ₁₀	Maintenance	100	-	-2.02	-3.56	-6.30
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-0.02	-1.78	-8.25
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-0.30	-4.31	-18.71
Lake Tahoe, NV	CO	Maintenance	100	-	-1.19	-2.89	-7.47

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Lamar, CO	PM ₁₀	Maintenance	100	-	-6.71	-11.33	-18.57
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.12	-0.25	-0.58
Lancaster, PA	Ozone	Maintenance	100	-	-13.56	-43.99	-136.80
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-13.56	-43.99	-136.80
Lane County, OR	PM ₁₀	Moderate	100	-	-0.30	-0.56	-1.04
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-20.86	-56.71	-158.84
LaPorte, IN	Ozone	Maintenance	100	-	-29.53	-52.39	-93.64
Las Vegas, NV	CO	Serious	100	-	-75.66	-203.41	-565.48
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-76.59	-205.92	-572.46
Lauderdale County, AL	SO _x	Maintenance	100	-	-3.58	-9.81	-27.62
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.48	-0.86	-1.57
Libby, MT	PM ₁₀	Moderate	100	-	-0.77	-1.45	-2.82
Libby, MT	PM _{2.5}	Nonattainment	100	-	-1.03	-1.93	-3.76
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-1.90	-3.68	-7.48
Lima, OH	Ozone	Maintenance	100	-	-68.64	-116.74	-194.01
Longmont, CO	CO	Maintenance	100	-	-1.06	-6.54	-25.32
Lorain County, OH	SO _x	Maintenance	100	-	-2.41	-6.11	-16.30
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-841.06	-2,139.76	-5,714.55
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	-841.06	-2,139.76	-5,714.55
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-841.06	-2,139.76	-5,714.55
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-841.08	-2,139.79	-5,714.62
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-841.02	-2,139.65	-5,714.28
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-25.82	-77.28	-229.95
Louisville, KY-IN	Ozone	Maintenance	100	-	-97.74	-211.80	-490.65
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-99.46	-212.43	-484.71
Lowell, MA	CO	Maintenance	100	-	-4.03	-12.23	-36.65
Lucas County, OH	SO _x	Maintenance	100	-	-25.58	-55.02	-126.48
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-3.26	-8.10	-21.24
Macon, GA	Ozone	Maintenance	100	-	-66.13	-116.92	-207.87
Macon, GA	PM _{2.5}	Nonattainment	100	-	-65.62	-115.99	-206.09
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.47	-0.90	-1.77
Madison, WI	SO _x	Maintenance	100	-	-19.75	-44.99	-109.43
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-1.27	-2.64	-5.89
Manchester, NH	CO	Maintenance	100	-	-0.13	-3.63	-16.42
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-2.84	-9.27	-28.95

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Marion County, IN	SO _x	Maintenance	100	-	-54.19	-102.37	-201.22
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-4.40	-13.43	-40.43
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-72.07	-132.61	-250.93
Mason County, MI	Ozone	Maintenance	100	-	-4.39	-8.43	-16.92
Medford, OR	CO	Maintenance	100	-	-1.71	-6.94	-23.80
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-4.11	-16.65	-57.07
Memphis, TN-AR	Ozone	Maintenance	100	-	-164.53	-313.09	-621.54
Memphis, TN	CO	Maintenance	100	-	-102.90	-209.30	-452.23
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-2.99	-6.42	-14.69
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.67	-1.31	-2.72
Milwaukee, WI	SO _x	Maintenance	100	-	-46.76	-100.23	-229.55
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-124.43	-288.63	-714.04
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-536.73	-1,016.12	-2,002.94
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-383.50	-762.61	-1,603.25
Missoula, MT	CO	Maintenance	100	-	-33.25	-57.14	-96.78
Missoula, MT	PM ₁₀	Moderate	100	-	-32.19	-55.32	-93.69
Modesto, CA	CO	Maintenance	100	-	-28.10	-62.56	-148.90
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-8.87	-20.15	-48.87
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.18	-0.37	-0.82
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.34	-0.71	-1.56
Morristown, NJ	CO	Maintenance	100	-	-1.16	-3.63	-11.08
Muhlenberg County, KY	SO _x	Maintenance	100	-	-7.28	-13.15	-24.20
Muncie, IN	Ozone	Maintenance	100	-	-53.87	-92.66	-157.15
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.99	-1.84	-3.55
Muscatine County, IA	SO _x	Maintenance	100	-	-3.76	-6.86	-12.80
Muskegon, MI	Ozone	Maintenance	100	-	-26.83	-49.91	-95.97
Nashua, NH	CO	Maintenance	100	-	-0.10	-2.92	-13.22
Nashville, TN	Ozone	Former Subpart 1	50	-	-133.55	-299.27	-716.86
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-6.28	-18.53	-54.72
New Haven County, CT	PM ₁₀	Maintenance	100	-	-29.21	-54.75	-106.40
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-139.06	-262.69	-516.24
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-2.18	-3.81	-6.65
New York County, NY	PM ₁₀	Moderate	100	-	-284.38	-483.24	-801.77
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-1,094.37	-2,148.37	-4,444.06
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-1,540.54	-3,216.16	-7,158.77
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-1,499.04	-3,142.30	-7,026.11
Nogales, AZ	PM ₁₀	Moderate	100	-	-3.55	-7.79	-18.32

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				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-223.39	-438.07	-904.97
Ogden, UT	CO	Maintenance	100	-	-3.28	-8.60	-23.47
Ogden, UT	PM ₁₀	Moderate	100	-	-3.28	-8.60	-23.47
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.16	-0.35	-0.85
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-2.62	-5.19	-10.87
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-8.49	-19.39	-47.29
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.41	-0.88	-2.03
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.01	-0.03	-0.08
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-34.30	-62.48	-116.46
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-36.66	-66.38	-122.55
Payson, AZ	PM ₁₀	Maintenance	100	-	-1.93	-4.13	-9.45
Penns Grove, NJ	CO	Maintenance	100	-	-0.03	-0.07	-0.18
Peoria, IL	SO _x	Maintenance	100	-	-3.71	-10.57	-30.51
Perth Amboy, NJ	CO	Maintenance	100	-	-11.41	-22.82	-48.30
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-26.81	-60.76	-147.12
Phildelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-743.62	-1,418.91	-2,827.27
Phildelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-849.39	-1,690.72	-3,558.71
Phoenix, AZ	CO	Maintenance	100	-	-84.59	-409.46	-1,488.69
Phoenix, AZ	PM ₁₀	Serious	70	-	-89.45	-424.82	-1,535.84
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-89.71	-426.06	-1,540.26
Pierce County, WA	PM ₁₀	Maintenance	100	-	-4.39	-7.63	-13.17
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.30	-0.54	-0.98
Pittsburgh, PA	CO	Maintenance	100	-	-4.09	-7.92	-16.09
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-266.58	-526.14	-1,095.76
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-223.24	-447.57	-950.45
Polk County, TN	SO _x	Maintenance	100	-	-6.09	-10.89	-19.73
Polson, MT	PM ₁₀	Moderate	100	-	-0.35	-0.73	-1.61
Portland, ME	Ozone	Maintenance	100	-	-50.98	-109.90	-253.22
Portland, OR	CO	Maintenance	100	-	-81.00	-186.72	-459.29
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-12.63	-22.58	-40.90
Poughkeepsie, NY	Ozone	Moderate	50	-	-58.45	-166.42	-480.48
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-2.26	-4.09	-7.54
Providence (entire State), RI	Ozone	Moderate	50	-	-121.05	-245.22	-527.21
Provo, UT	CO	Maintenance	100	-	-12.03	-28.10	-69.96
Raleigh-Durham, NC	CO	Maintenance	100	-	-45.34	-140.68	-427.24
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-75.30	-213.46	-614.64
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.35	-0.65	-1.26
Reading, PA	Ozone	Maintenance	100	-	-30.07	-64.69	-148.71

Table B2-19
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Volatile Organic Compound (VOC) 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Reading, PA	PM _{2.5}	Nonattainment	100	-	-30.07	-64.69	-148.71
Reno, NV	CO	Maintenance	100	-	-19.46	-43.40	-103.48
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.21	-0.40	-0.79
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-95.78	-214.21	-512.14
Rillito, AZ	PM ₁₀	Moderate	100	-	-4.22	-9.51	-22.90
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.39	-35.03	-166.80
Roanoke, VA	Ozone	Former Subpart 1	50	-	-51.82	-96.45	-185.60
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-11.18	-22.16	-46.41
Rochester, NY	Ozone	Former Subpart 1	50	-	-90.86	-211.24	-523.65
Rocky Mount, NC	Ozone	Maintenance	100	-	-28.00	-54.10	-109.65
Rome, GA	PM _{2.5}	Nonattainment	100	-	-31.97	-57.66	-105.87
Ronan, MT	PM ₁₀	Moderate	100	-	-0.13	-0.28	-0.62
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.58	-1.06	-1.98
Sacramento County, CA	PM ₁₀	Moderate	100	-	-44.08	-153.22	-492.73
Sacramento Metro, CA	Ozone	Severe	25	-	-126.57	-355.46	-1,017.36
Sacramento, CA	CO	Maintenance	100	-	-47.82	-169.41	-549.56
Salem, OR	CO	Maintenance	100	-	-7.22	-17.88	-46.73
Salt Lake City, UT	CO	Maintenance	100	-	-17.03	-38.23	-91.75
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-50.77	-133.24	-364.13
Salt Lake County, UT	SO _x	Nonattainment	100	-	-42.59	-119.92	-343.81
San Antonio, TX	Ozone	Former Subpart 1	50	-	-423.10	-781.39	-1,486.64
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-8.73	-36.10	-124.64
San Diego, CA	CO	Maintenance	100	-	-70.94	-336.90	-1,217.93
San Diego, CA	Ozone	Former Subpart 1	50	-	-71.07	-337.53	-1,220.24
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-694.10	-1,457.57	-3,265.47
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-708.37	-1,522.53	-3,497.24
San Joaquin Valley, CA	Ozone	Extreme	10	-	-380.55	-864.88	-2,099.68
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-382.47	-868.75	-2,107.96
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-380.55	-864.88	-2,099.68
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-1.55	-4.28	-12.15
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.30	-0.52	-0.89
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-71.71	-148.41	-327.12
Seattle-Tacoma, WA	CO	Maintenance	100	-	-318.59	-668.56	-1,496.67
Sheboygan, WI	Ozone	Moderate	50	-	-10.40	-22.75	-53.23
Sheridan, WY	PM ₁₀	Moderate	100	-	-10.04	-17.37	-29.72
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.01

Table B2-19
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Volatile Organic Compound (VOC) 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Somerville, NJ	CO	Maintenance	100	-	-0.41	-1.52	-5.05
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-50.85	-104.19	-227.02
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-8.27	-20.54	-53.83
Spokane County, WA	PM ₁₀	Maintenance	100	-	-43.15	-85.07	-176.93
Spokane, WA	CO	Maintenance	100	-	-42.67	-84.12	-174.97
Springfield (western MA), MA	Ozone	Moderate	50	-	-30.02	-91.13	-273.37
Springfield, MA	CO	Maintenance	100	-	-6.39	-17.45	-49.03
St Louis, MO	CO	Maintenance	100	-	-270.19	-478.73	-854.07
St Louis, MO-IL	Ozone	Moderate	50	-	-660.90	-1,211.47	-2,279.44
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-659.92	-1,208.99	-2,272.81
State College, PA	Ozone	Maintenance	100	-	-3.09	-13.62	-48.08
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-2.80	-5.60	-11.83
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-19.28	-33.26	-56.67
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-49.33	-84.49	-142.20
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-49.33	-84.49	-142.20
Stockton, CA	CO	Maintenance	100	-	-31.78	-77.13	-198.41
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-100.55	-187.26	-360.68
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.09	-0.24	-0.66
Terre Haute, IN	Ozone	Maintenance	100	-	-43.69	-76.82	-135.34
Tioga County, PA	Ozone	Maintenance	100	-	-3.22	-7.76	-19.84
Toledo, OH	Ozone	Maintenance	100	-	-126.91	-231.69	-433.31
Toms River, NJ	CO	Maintenance	100	-	-2.67	-9.56	-31.16
Tooele County, UT	SO _x	Nonattainment	100	-	-21.82	-40.49	-77.57
Trenton, NJ	CO	Maintenance	100	-	-3.93	-10.66	-29.84
Trona, CA	PM ₁₀	Moderate	100	-	-0.07	-0.28	-0.97
Tucson, AZ	CO	Maintenance	100	-	-80.97	-182.47	-439.47
Utah County, UT	PM ₁₀	Moderate	100	-	-34.91	-81.56	-203.05
Vancouver, WA	CO	Maintenance	100	-	-18.22	-46.12	-122.69
Ventura County, CA	Ozone	Serious	50	-	-20.73	-78.86	-263.74
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-4.30	-7.32	-12.18
Vigo County, IN	SO _x	Maintenance	100	-	-43.69	-76.82	-135.34
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-1.89	-5.73	-17.19
Warren County, NJ	SO _x	Maintenance	100	-	-1.24	-3.75	-11.25
Warren County, PA	SO _x	Nonattainment	100	-	-1.12	-2.44	-5.72
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-50.74	-92.58	-172.98
Washington, DC-MD-VA	CO	Maintenance	100	-	-45.32	-149.93	-470.86

Table B2-19
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Volatile Organic Compound (VOC) 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-183.47	-571.24	-1,738.08
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-167.03	-538.43	-1,668.83
Washoe County, NV	PM ₁₀	Serious	70	-	-19.46	-43.40	-103.48
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-1.53	-2.67	-4.68
Wayne County, IN	SO _x	Maintenance	100	-	-18.92	-33.87	-61.45
Wayne County, MI	PM ₁₀	Maintenance	100	-	-40.51	-69.97	-119.51
Weirton, WV	PM ₁₀	Maintenance	100	-	-3.04	-5.33	-9.36
Weirton, WV	SO _x	Maintenance	100	-	-4.10	-7.19	-12.61
Wheeling, WV-OH	Ozone	Maintenance	100	-	-47.16	-83.19	-147.35
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-47.16	-83.19	-147.35
Winston-Salem, NC	CO	Maintenance	100	-	-41.14	-86.80	-195.46
Worcester, MA	CO	Maintenance	100	-	-4.78	-18.89	-64.15
Yakima County, WA	PM ₁₀	Maintenance	100	-	-19.29	-35.94	-69.26
Yakima, WA	CO	Maintenance	100	-	-8.69	-16.19	-31.21
York, PA	Ozone	Maintenance	100	-	-42.97	-91.93	-210.15
York, PA	PM _{2.5}	Nonattainment	100	-	-26.85	-60.75	-146.87
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-56.55	-120.19	-272.81
Yuma, AZ	PM ₁₀	Moderate	100	-	-19.65	-41.67	-94.35

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

Table B2-20
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Volatile Organic Compound (VOC) 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.95	-1.38	-2.30
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.47	-0.94	-2.29
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.49	-0.97	-2.38
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-228.22	-398.66	-858.65
Albuquerque, NM	CO	Maintenance	100	-	-82.11	-152.04	-348.19
Allegan County, MI	Ozone	Former Subpart 1	50	-	-41.13	-66.72	-131.36
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-53.96	-115.62	-300.45
Altoona, PA	Ozone	Maintenance	100	-	-42.32	-62.68	-107.92
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	4.53	-11.33	-70.73
Anchorage, AK	CO	Maintenance	100	-	-65.93	-99.15	-175.00
Anthony, NM	PM ₁₀	Moderate	100	-	-2.93	-4.42	-7.83
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.08	-0.47	-1.81
Aspen, CO	PM ₁₀	Maintenance	100	-	-2.95	-4.49	-8.05
Atlanta, GA	Ozone	Moderate	50	-	-920.54	-1,763.96	-4,174.80
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-921.66	-1,765.62	-4,177.66
Atlantic City, NJ	CO	Maintenance	100	-	-2.33	-6.64	-20.48
Bakersfield, CA	CO	Maintenance	100	-	-119.05	-194.52	-386.56
Baltimore, MD	CO	Maintenance	100	-	-3.88	-5.84	-10.32
Baltimore, MD	Ozone	Moderate	50	-	-158.62	-444.28	-1,359.52
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-158.62	-444.27	-1,359.51
Baton Rouge, LA	Ozone	Moderate	50	-	-690.15	-968.96	-1,517.20
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-1,240.02	-1,672.45	-2,413.41
Benton County, TN	SO _x	Maintenance	100	-	-1.30	-1.80	-2.74
Benton Harbor, MI	Ozone	Maintenance	100	-	-89.93	-130.41	-216.64
Benzie County, MI	Ozone	Maintenance	100	-	-8.28	-13.09	-24.85
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-52.04	-80.61	-148.84
Billings, MT	CO	Maintenance	100	-	-334.82	-449.61	-642.63
Birmingham, AL	Ozone	Maintenance	100	-	-170.27	-296.20	-635.02
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-171.68	-298.34	-638.82
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-151.13	-226.65	-398.23
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-151.13	-226.65	-398.23
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-7.63	-11.65	-21.05
Boston, MA	CO	Maintenance	100	-	-61.58	-143.15	-394.01
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-204.91	-652.99	-2,116.92
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-8.39	-62.00	-247.59
Boyd County (part), KY	SO _x	Maintenance	100	-	-23.39	-31.67	-46.12

Table B2-20
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Volatile Organic Compound (VOC) 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-151.98	-282.89	-651.25
Burlington, NJ	CO	Maintenance	100	-	-0.31	-0.74	-2.11
Butte, MT	PM ₁₀	Moderate	100	-	-26.77	-36.74	-54.99
Canon City, CO	PM ₁₀	Maintenance	100	-	-13.37	-19.49	-32.67
Canton-Massillon, OH	Ozone	Maintenance	100	-	-135.63	-199.72	-340.56
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-135.63	-199.72	-340.56
Case County, MI	Ozone	Maintenance	100	-	-17.16	-25.80	-45.55
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.60	-0.86	-1.39
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-5.50	-7.66	-11.78
Charleston, WV	Ozone	Maintenance	100	-	-36.95	-66.41	-147.50
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-36.95	-66.41	-147.50
Charlotte, NC	CO	Maintenance	100	-	-50.07	-126.89	-368.23
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-251.82	-466.24	-1,067.66
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-307.20	-446.07	-742.68
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-281.14	-408.65	-681.65
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-810.89	-1,621.56	-3,986.41
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-863.41	-1,709.65	-4,167.36
Chico, CA	CO	Maintenance	100	-	-16.86	-33.57	-82.21
Chico, CA	Ozone	Former Subpart 1	50	-	-35.33	-70.33	-172.23
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-257.74	-488.68	-1,145.15
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-236.70	-456.03	-1,084.69
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-3.67	-5.61	-10.19
Clark County, NV	PM ₁₀	Serious	70	-	-93.81	-258.72	-785.64
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-170.32	-246.76	-409.21
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-100.76	-146.35	-243.78
Cleveland, OH	CO	Maintenance	100	-	-167.78	-279.71	-570.25
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-286.39	-559.16	-1,346.14
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-264.02	-514.15	-1,234.91
Coachella Valley, CA	PM ₁₀	Serious	70	-	22.41	-31.69	-238.84
Colbert County, AL	SO _x	Maintenance	100	-	-31.01	-44.74	-73.67
Colorado Springs, CO	CO	Maintenance	100	-	-190.37	-302.55	-579.39
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-2.97	-4.42	-7.67
Columbia, SC	Ozone	Former Subpart 1	50	-	-337.95	-497.05	-845.91
Columbus, OH	Ozone	Maintenance	100	-	-299.60	-535.39	-1,182.10

Table B2-20
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Volatile Organic Compound (VOC) 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-249.42	-459.34	-1,046.27
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.48	-0.80	-1.64
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.07	-0.11	-0.20
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-167.78	-279.71	-570.25
Cuyahoga County, OH	SO _x	Maintenance	100	-	-175.72	-282.38	-549.03
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-821.78	-1,681.56	-4,214.32
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-148.25	-252.79	-529.61
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-128.58	-219.86	-462.11
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-161.01	-460.90	-1,425.31
Denver-Boulder, CO	CO	Maintenance	100	-	-161.08	-450.03	-1,375.44
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-383.04	-806.72	-2,068.93
Detroit, MI	CO	Maintenance	100	-	-417.70	-643.26	-1,177.43
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-805.98	-1,408.28	-3,034.13
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-766.27	-1,349.23	-2,931.75
Door County, WI	Ozone	Former Subpart 1	50	-	-0.66	-3.82	-14.63
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-4.27	-8.10	-18.98
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-3.52	-6.68	-15.64
Duluth, MN	CO	Maintenance	100	-	-41.15	-59.92	-100.27
Eagle River, AK	PM ₁₀	Moderate	100	-	-4.24	-6.38	-11.26
East Chicago, IN	CO	Maintenance	100	-	-0.34	-0.52	-0.93
East Chicago, IN	PM ₁₀	Maintenance	100	-	-240.16	-332.55	-506.84
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.48	-0.71	-1.22
El Paso County, TX	PM ₁₀	Moderate	100	-	-115.13	-190.45	-384.52
El Paso, TX	CO	Maintenance	100	-	-5.16	-9.09	-19.76
Erie, PA	Ozone	Maintenance	100	-	-37.77	-65.55	-140.14
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.09	-0.26	-0.79
Eugene-Springfield, OR	CO	Maintenance	100	-	-106.42	-159.14	-278.35
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-102.25	-152.91	-267.45
Evansville, IN	Ozone	Maintenance	100	-	-63.73	-102.69	-200.38
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-108.16	-166.40	-304.12
Fairbanks, AK	CO	Maintenance	100	-	-13.41	-19.26	-31.45
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-27.82	-58.63	-150.42
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-3.85	-5.73	-9.94
Flint, MI	Ozone	Maintenance	100	-	-75.96	-136.94	-305.20
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.63	-0.88	-1.38
Fort Collins, CO	CO	Maintenance	100	-	-39.80	-68.03	-142.92

Table B2-20
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Volatile Organic Compound (VOC) 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.37	-0.53	-0.86
Fort Wayne, IN	Ozone	Maintenance	100	-	-195.98	-287.00	-484.87
Franklin County, PA	Ozone	Maintenance	100	-	-63.78	-96.34	-171.21
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.48	-0.69	-1.12
Frederick County, VA	Ozone	Former Subpart 1	50	-	-107.79	-152.75	-243.40
Fredericksburg, VA	Ozone	Maintenance	100	-	-91.78	-158.28	-335.99
Freehold, NJ	CO	Maintenance	100	-	-0.95	-2.95	-9.45
Fresno, CA	CO	Maintenance	100	-	-24.77	-81.72	-268.62
Grand Rapids, MI	Ozone	Maintenance	100	-	-163.24	-281.14	-595.85
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-13.80	-20.80	-36.87
Grant County, NM	SO _x	Maintenance	100	-	-1.77	-2.51	-3.99
Grants Pass, OR	CO	Maintenance	100	-	-0.21	-0.32	-0.57
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-15.81	-23.85	-42.29
Great Falls, MT	CO	Maintenance	100	-	-15.76	-22.02	-34.16
Greater Connecticut, CT	Ozone	Moderate	50	-	-179.98	-353.60	-856.02
Greeley, CO	CO	Maintenance	100	-	-67.08	-98.96	-169.26
Green Bay, WI	SO _x	Maintenance	100	-	-19.31	-34.87	-77.83
Greene County, IN	Ozone	Maintenance	100	-	-47.22	-66.21	-103.43
Greene County, PA	Ozone	Maintenance	100	-	-32.29	-45.94	-73.78
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-258.77	-459.75	-1,008.84
Greensboro-Winston salem-High Point, NC	PM _{2,5}	Nonattainment	100	-	-113.89	-207.62	-468.08
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-543.30	-782.45	-1,284.08
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-2.86	-5.40	-12.62
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-26.86	-44.17	-88.50
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-81.77	-175.77	-457.86
Harrisburg-Lebanon-Carlisle, PA	PM _{2,5}	Nonattainment	100	-	-83.14	-172.29	-436.24
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-91.40	-193.59	-498.68
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.87	-2.02	-5.55
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-5.69	-11.01	-26.28
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.46	-0.98	-2.53
Hazelwood, PA	SO _x	Maintenance	100	-	-14.47	-22.15	-40.18
Hickory, NC	PM _{2,5}	Nonattainment	100	-	-26.43	-46.87	-102.64
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-49.29	-85.61	-183.21
Hollis Township, IL	SO _x	Maintenance	100	-	-0.14	-0.34	-0.95
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-4,237.23	-6,064.06	-9,839.77
Humphreys County, TN	SO _x	Maintenance	100	-	-2.08	-2.97	-4.77
Huntington-Ashland, WV-KY-OH	PM _{2,5}	Nonattainment	100	-	-508.79	-695.08	-1,030.67

Table B2-20
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Volatile Organic Compound (VOC) 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
		t					
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-424.31	-573.08	-829.45
Huron County, MI	Ozone	Maintenance	100	-	-11.71	-17.45	-30.34
Imperial County, CA	Ozone	Moderate	50	-	-19.01	-44.55	-123.28
Imperial Valley, CA	PM ₁₀	Serious	70	-	-18.60	-43.62	-120.75
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-5.42	-9.45	-20.30
Indianapolis, IN	CO	Maintenance	100	-	-0.26	-0.39	-0.71
Indianapolis, IN	Ozone	Maintenance	100	-	-393.14	-678.11	-1,439.70
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-296.41	-517.82	-1,115.39
Jackson County, IN	Ozone	Maintenance	100	-	-72.19	-101.36	-158.70
Jamestown, NY	Ozone	Former Subpart 1	50	-	-36.26	-59.00	-116.63
Jefferson County, NY	Ozone	Moderate	50	-	-10.82	-23.22	-60.40
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-6.53	-9.08	-13.98
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-167.58	-237.15	-376.92
Johnstown, PA	Ozone	Maintenance	100	-	-35.63	-52.69	-90.48
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-46.15	-67.19	-112.41
Juneau, AK	PM ₁₀	Moderate	100	-	-12.26	-17.30	-27.33
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-150.36	-235.03	-439.70
Kalispell, MT	PM ₁₀	Moderate	100	-	-15.53	-23.12	-40.11
Kansas City, MO-KS	Ozone	Maintenance	100	-	-638.14	-977.63	-1,775.49
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	4.66	-5.19	-43.30
Kent, WA	PM ₁₀	Maintenance	100	-	-5.69	-9.74	-20.48
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-14.18	-24.72	-53.12
Kewaunee County, WI	Ozone	Maintenance	100	-	-4.00	-7.01	-15.12
King County, WA	PM ₁₀	Maintenance	100	-	-2.18	-3.73	-7.85
Klamath Falls, OR	CO	Maintenance	100	-	-28.49	-41.20	-68.08
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-28.49	-41.20	-68.08
Knoxville, TN	Ozone	Former Subpart 1	50	-	-568.09	-852.51	-1,499.36
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-474.89	-704.55	-1,216.48
La Porte County, IN	SO _x	Maintenance	100	-	-19.93	-28.66	-46.93
LaGrande, OR	PM ₁₀	Maintenance	100	-	-11.49	-16.33	-26.16
Lake County, IN	SO _x	Maintenance	100	-	-104.00	-157.92	-282.96
Lake County, OH	SO _x	Maintenance	100	-	-2.00	-5.13	-15.00
Lake County, OR	PM ₁₀	Maintenance	100	-	-4.07	-5.80	-9.34
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	1.10	-1.67	-12.24
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	1.59	-5.01	-29.54
Lake Tahoe, NV	CO	Maintenance	100	-	-2.07	-4.18	-10.35

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Lamar, CO	PM ₁₀	Maintenance	100	-	-18.74	-25.48	-37.40
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.20	-0.35	-0.75
Lancaster, PA	Ozone	Maintenance	100	-	-17.59	-57.43	-188.01
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-17.59	-57.43	-188.01
Lane County, OR	PM ₁₀	Moderate	100	-	-0.47	-0.71	-1.23
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-34.83	-81.02	-223.10
LaPorte, IN	Ozone	Maintenance	100	-	-55.25	-79.47	-130.15
Las Vegas, NV	CO	Serious	100	-	-93.81	-258.72	-785.64
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-94.78	-261.40	-793.78
Lauderdale County, AL	SO _x	Maintenance	100	-	-5.87	-13.60	-37.33
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.87	-1.27	-2.16
Libby, MT	PM ₁₀	Moderate	100	-	-1.45	-2.20	-3.92
Libby, MT	PM _{2.5}	Nonattainment	100	-	-1.94	-2.93	-5.23
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-3.67	-5.61	-10.18
Lima, OH	Ozone	Maintenance	100	-	-136.56	-188.61	-285.97
Longmont, CO	CO	Maintenance	100	-	0.03	-8.05	-36.88
Lorain County, OH	SO _x	Maintenance	100	-	-3.98	-8.65	-22.74
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-1,369.07	-3,051.58	-8,162.03
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	-1,369.07	-3,051.58	-8,162.03
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-1,369.07	-3,051.58	-8,162.03
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-1,369.10	-3,051.62	-8,162.11
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-1,369.00	-3,051.42	-8,161.65
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-38.84	-108.52	-331.69
Louisville, KY-IN	Ozone	Maintenance	100	-	-171.21	-306.27	-676.99
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-175.92	-308.63	-667.94
Lowell, MA	CO	Maintenance	100	-	-6.84	-18.23	-54.38
Lucas County, OH	SO _x	Maintenance	100	-	-54.36	-91.42	-188.37
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-5.87	-11.82	-29.24
Macon, GA	Ozone	Maintenance	100	-	-126.65	-181.28	-294.21
Macon, GA	PM _{2.5}	Nonattainment	100	-	-125.77	-179.93	-291.78
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.86	-1.33	-2.42
Madison, WI	SO _x	Maintenance	100	-	-31.43	-62.92	-154.85
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-2.55	-4.50	-9.78
Manchester, NH	CO	Maintenance	100	-	0.75	-3.72	-20.14
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-4.57	-12.95	-39.86

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Marion County, IN	SO _x	Maintenance	100	-	-101.90	-155.85	-282.35
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-5.59	-18.21	-59.55
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-127.06	-192.07	-341.75
Mason County, MI	Ozone	Maintenance	100	-	-8.27	-12.97	-24.34
Medford, OR	CO	Maintenance	100	-	-1.34	-8.73	-34.22
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-3.22	-21.07	-82.57
Memphis, TN-AR	Ozone	Maintenance	100	-	-317.24	-487.04	-887.37
Memphis, TN	CO	Maintenance	100	-	-198.21	-324.32	-645.75
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-4.97	-9.15	-20.81
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-1.09	-1.76	-3.43
Milwaukee, WI	SO _x	Maintenance	100	-	-92.49	-158.44	-333.75
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-216.34	-420.31	-1,007.38
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-992.71	-1,541.53	-2,856.50
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-688.04	-1,130.71	-2,263.96
Missoula, MT	CO	Maintenance	100	-	-61.31	-86.08	-134.78
Missoula, MT	PM ₁₀	Moderate	100	-	-59.31	-83.27	-130.38
Modesto, CA	CO	Maintenance	100	-	-48.68	-92.80	-218.58
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-13.56	-27.75	-69.57
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.32	-0.56	-1.23
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.55	-0.96	-2.04
Morristown, NJ	CO	Maintenance	100	-	-1.88	-5.49	-17.12
Muhlenberg County, KY	SO _x	Maintenance	100	-	-14.41	-21.00	-35.20
Muncie, IN	Ozone	Maintenance	100	-	-107.93	-150.06	-230.54
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-3.34	-4.86	-8.13
Muscatine County, IA	SO _x	Maintenance	100	-	-7.70	-11.38	-19.50
Muskegon, MI	Ozone	Maintenance	100	-	-50.28	-76.34	-136.73
Nashua, NH	CO	Maintenance	100	-	0.62	-3.04	-16.45
Nashville, TN	Ozone	Former Subpart 1	50	-	-214.30	-414.61	-989.93
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-7.61	-24.95	-81.80
New Haven County, CT	PM ₁₀	Maintenance	100	-	-62.23	-94.63	-169.92
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-261.94	-401.49	-729.71
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-6.42	-8.91	-13.67
New York County, NY	PM ₁₀	Moderate	100	-	-546.66	-754.40	-1,141.97
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-2,045.11	-3,266.73	-6,299.78
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-2,808.96	-4,810.45	-
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-2,732.83	-4,699.44	10,128.96
Nogales, AZ	PM ₁₀	Moderate	100	-	-5.56	-10.56	-24.80

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-421.94	-673.00	-1,295.26
Ogden, UT	CO	Maintenance	100	-	-4.90	-11.36	-31.22
Ogden, UT	PM ₁₀	Moderate	100	-	-4.90	-11.36	-31.23
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.23	-0.43	-0.99
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-3.82	-6.35	-12.91
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-12.49	-25.68	-64.64
Owens Valley, CA	PM ₁₀	Serious	70	-	-1.80	-2.82	-5.29
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.02	-0.05	-0.12
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-67.62	-99.53	-169.61
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-74.66	-108.95	-182.96
Payson, AZ	PM ₁₀	Maintenance	100	-	-3.10	-5.71	-12.99
Penns Grove, NJ	CO	Maintenance	100	-	-0.05	-0.11	-0.25
Peoria, IL	SO _x	Maintenance	100	-	-6.10	-14.70	-41.43
Perth Amboy, NJ	CO	Maintenance	100	-	-23.38	-38.43	-76.93
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-47.99	-87.86	-198.96
Phildelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-1,421.19	-2,200.22	-4,058.94
Phildelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-1,585.66	-2,571.37	-5,060.28
Phoenix, AZ	CO	Maintenance	100	-	21.96	-449.80	-2,144.34
Phoenix, AZ	PM ₁₀	Serious	70	-	17.62	-467.74	-2,207.92
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	17.64	-468.91	-2,213.34
Pierce County, WA	PM ₁₀	Maintenance	100	-	-8.36	-11.76	-18.47
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.56	-0.81	-1.32
Pittsburgh, PA	CO	Maintenance	100	-	-11.58	-17.72	-32.15
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-513.24	-817.54	-1,570.62
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-432.56	-698.62	-1,367.47
Polk County, TN	SO _x	Maintenance	100	-	-12.02	-17.42	-28.90
Polson, MT	PM ₁₀	Moderate	100	-	-0.69	-1.18	-2.50
Portland, ME	Ozone	Maintenance	100	-	-90.59	-161.48	-355.55
Portland, OR	CO	Maintenance	100	-	-131.53	-257.90	-623.23
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-23.96	-34.79	-57.94
Poughkeepsie, NY	Ozone	Moderate	50	-	-84.66	-229.57	-691.15
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-4.53	-6.60	-11.02
Providence (entire State), RI	Ozone	Moderate	50	-	-228.81	-378.89	-765.95
Provo, UT	CO	Maintenance	100	-	-17.12	-36.73	-95.53
Raleigh-Durham, NC	CO	Maintenance	100	-	-47.60	-171.68	-582.96
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-91.65	-268.73	-840.39
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.63	-0.96	-1.70
Reading, PA	Ozone	Maintenance	100	-	-52.19	-93.12	-205.25

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Reading, PA	PM _{2.5}	Nonattainment	100	-	-52.19	-93.12	-205.25
Reno, NV	CO	Maintenance	100	-	-31.29	-59.53	-139.94
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.56	-0.86	-1.53
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-158.02	-298.73	-698.05
Rillito, AZ	PM ₁₀	Moderate	100	-	-6.77	-13.47	-32.95
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	22.41	-31.69	-238.84
Roanoke, VA	Ozone	Former Subpart 1	50	-	-93.33	-141.79	-254.25
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-18.48	-30.74	-62.49
Rochester, NY	Ozone	Former Subpart 1	50	-	-165.04	-315.25	-743.93
Rocky Mount, NC	Ozone	Maintenance	100	-	-52.42	-82.16	-154.29
Rome, GA	PM _{2.5}	Nonattainment	100	-	-60.06	-88.17	-149.57
Ronan, MT	PM ₁₀	Moderate	100	-	-0.26	-0.44	-0.94
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.98	-1.47	-2.57
Sacramento County, CA	PM ₁₀	Moderate	100	-	-48.46	-202.47	-719.83
Sacramento Metro, CA	Ozone	Severe	25	-	-166.17	-476.88	-1,476.48
Sacramento, CA	CO	Maintenance	100	-	-45.89	-216.40	-794.19
Salem, OR	CO	Maintenance	100	-	-11.24	-24.09	-62.59
Salt Lake City, UT	CO	Maintenance	100	-	-28.54	-54.48	-128.46
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-74.12	-177.75	-499.07
Salt Lake County, UT	SO _x	Nonattainment	100	-	-57.63	-155.86	-468.61
San Antonio, TX	Ozone	Former Subpart 1	50	-	-729.20	-1,114.59	-2,017.30
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-4.73	-40.90	-166.71
San Diego, CA	CO	Maintenance	100	-	-29.90	-409.53	-1,742.46
San Diego, CA	Ozone	Former Subpart 1	50	-	-29.94	-410.31	-1,745.86
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-1,205.41	-2,130.80	-4,649.98
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-1,216.32	-2,209.91	-4,964.97
San Joaquin Valley, CA	Ozone	Extreme	10	-	-591.71	-1,198.62	-2,978.99
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-593.88	-1,202.41	-2,987.12
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-591.71	-1,198.62	-2,978.99
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-1.83	-5.35	-16.68
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.59	-0.83	-1.31
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-135.43	-227.84	-469.69
Seattle-Tacoma, WA	CO	Maintenance	100	-	-532.98	-946.29	-2,074.90
Sheboygan, WI	Ozone	Moderate	50	-	-18.11	-33.16	-75.09
Sheridan, WY	PM ₁₀	Moderate	100	-	-17.44	-24.66	-39.13
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.02

Table B2-20
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Volatile Organic Compound (VOC) 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Somerville, NJ	CO	Maintenance	100	-	-0.41	-1.90	-6.91
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-91.68	-154.20	-317.82
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-12.69	-25.53	-63.10
Spokane County, WA	PM ₁₀	Maintenance	100	-	-72.50	-119.74	-241.29
Spokane, WA	CO	Maintenance	100	-	-71.64	-118.33	-238.44
Springfield (western MA), MA	Ozone	Moderate	50	-	-48.85	-129.06	-383.28
Springfield, MA	CO	Maintenance	100	-	-12.28	-27.59	-74.20
St Louis, MO	CO	Maintenance	100	-	-558.20	-793.88	-1,273.50
St Louis, MO-IL	Ozone	Moderate	50	-	-1,270.86	-1,886.42	-3,259.80
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-1,269.31	-1,883.04	-3,250.89
State College, PA	Ozone	Maintenance	100	-	-3.07	-17.81	-68.32
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-4.65	-7.97	-16.80
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-40.49	-56.34	-86.72
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-98.79	-136.96	-209.21
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-98.79	-136.96	-209.21
Stockton, CA	CO	Maintenance	100	-	-55.16	-117.02	-301.80
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-197.22	-296.57	-523.31
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.13	-0.35	-1.04
Terre Haute, IN	Ozone	Maintenance	100	-	-83.12	-118.26	-189.82
Tioga County, PA	Ozone	Maintenance	100	-	-6.01	-11.59	-27.62
Toledo, OH	Ozone	Maintenance	100	-	-249.15	-367.59	-628.88
Toms River, NJ	CO	Maintenance	100	-	-3.33	-13.17	-46.09
Tooele County, UT	SO _x	Nonattainment	100	-	-37.06	-56.98	-104.05
Trenton, NJ	CO	Maintenance	100	-	-6.77	-15.65	-42.93
Trona, CA	PM ₁₀	Moderate	100	-	-0.04	-0.34	-1.40
Tucson, AZ	CO	Maintenance	100	-	-123.75	-246.10	-602.12
Utah County, UT	PM ₁₀	Moderate	100	-	-48.87	-104.82	-272.62
Vancouver, WA	CO	Maintenance	100	-	-24.78	-60.15	-170.16
Ventura County, CA	Ozone	Serious	50	-	-20.52	-102.96	-383.40
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-8.73	-12.04	-18.18
Vigo County, IN	SO _x	Maintenance	100	-	-83.12	-118.26	-189.82
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-3.01	-8.03	-23.94
Warren County, NJ	SO _x	Maintenance	100	-	-2.07	-5.45	-16.14
Warren County, PA	SO _x	Nonattainment	100	-	-2.52	-4.21	-8.60
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-90.75	-135.47	-236.26
Washington, DC-MD-VA	CO	Maintenance	100	-	-79.75	-227.90	-704.17

Table B2-20
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Volatile Organic Compound (VOC) 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-217.18	-725.62	-2,396.65
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-187.59	-676.22	-2,295.76
Washoe County, NV	PM ₁₀	Serious	70	-	-31.29	-59.53	-139.94
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-2.98	-4.24	-6.78
Wayne County, IN	SO _x	Maintenance	100	-	-42.40	-60.52	-97.72
Wayne County, MI	PM ₁₀	Maintenance	100	-	-117.60	-165.10	-258.48
Weirton, WV	PM ₁₀	Maintenance	100	-	-6.90	-9.60	-14.76
Weirton, WV	SO _x	Maintenance	100	-	-9.83	-13.66	-20.99
Wheeling, WV-OH	Ozone	Maintenance	100	-	-94.18	-133.86	-214.50
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-94.18	-133.86	-214.50
Winston-Salem, NC	CO	Maintenance	100	-	-68.66	-121.76	-266.62
Worcester, MA	CO	Maintenance	100	-	-6.48	-26.84	-95.18
Yakima County, WA	PM ₁₀	Maintenance	100	-	-33.78	-51.87	-94.49
Yakima, WA	CO	Maintenance	100	-	-16.67	-25.60	-46.63
York, PA	Ozone	Maintenance	100	-	-72.37	-130.68	-291.75
York, PA	PM _{2.5}	Nonattainment	100	-	-42.84	-83.66	-201.42
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-109.18	-184.83	-383.91
Yuma, AZ	PM ₁₀	Moderate	100	-	-30.16	-55.95	-128.36

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

Table B2-21
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Acetaldehyde 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.04	0.07	0.25
Albuquerque, NM	CO	Maintenance	100	-	0.02	0.03	0.11
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.01	0.03
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.02	0.03	0.11
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.01	0.02
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.03
Anchorage, AK	CO	Maintenance	100	-	0.00	0.01	0.03
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	0.22	0.36	1.27
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.22	0.36	1.27
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Bakersfield, CA	CO	Maintenance	100	-	0.00	0.01	0.05
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.00
Baltimore, MD	Ozone	Moderate	50	-	0.10	0.16	0.57
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.10	0.16	0.57
Baton Rouge, LA	Ozone	Moderate	50	-	-0.02	-0.02	0.03
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.53	-0.74	-1.41
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.01	0.01	0.04
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.01	0.03
Billings, MT	CO	Maintenance	100	-	0.00	0.00	0.01
Birmingham, AL	Ozone	Maintenance	100	-	0.03	0.06	0.20
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.03	0.06	0.20
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.01	0.02	0.06
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.01	0.02	0.06
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Boston, MA	CO	Maintenance	100	-	0.03	0.05	0.16
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.17	0.28	0.98
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.02	0.04	0.12
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.00

Table B2-21
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Acetaldehyde 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.04	0.06	0.22
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.01	0.02	0.06
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.06
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.01	0.02	0.05
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.05
Charlotte, NC	CO	Maintenance	100	-	0.02	0.04	0.14
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.05	0.09	0.31
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.11
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.02	0.03	0.10
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.24	0.38	1.35
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.24	0.40	1.39
Chico, CA	CO	Maintenance	100	-	0.00	0.01	0.02
Chico, CA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.05
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.07	0.11	0.38
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.06	0.11	0.37
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.05	0.08	0.28
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.01	0.01	0.05
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.01	0.01	0.03
Cleveland, OH	CO	Maintenance	100	-	0.03	0.05	0.19
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.09	0.14	0.50
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.08	0.13	0.46
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.02	0.03	0.12
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Colorado Springs, CO	CO	Maintenance	100	-	0.02	0.03	0.11
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.02	0.04	0.13
Columbus, OH	Ozone	Maintenance	100	-	0.06	0.09	0.32

Table B2-21
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Acetaldehyde 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.05	0.08	0.29
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.03	0.05	0.19
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.03	0.04	0.15
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.23	0.37	1.30
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.03	0.05	0.16
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.03	0.04	0.14
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.10	0.16	0.56
Denver-Boulder, CO	CO	Maintenance	100	-	0.09	0.15	0.54
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.12	0.19	0.68
Detroit, MI	CO	Maintenance	100	-	0.05	0.09	0.31
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.16	0.25	0.89
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.15	0.25	0.87
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Duluth, MN	CO	Maintenance	100	-	0.00	0.00	0.02
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.01	0.01	0.04
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.02	0.03	0.09
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.01
Erie, PA	Ozone	Maintenance	100	-	0.01	0.01	0.04
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.01	0.01	0.04
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.01	0.01	0.04
Evansville, IN	Ozone	Maintenance	100	-	0.01	0.01	0.05
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.06
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.01	0.02	0.06
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	0.02	0.03	0.10
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.01	0.01	0.03

Table B2-21
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Acetaldehyde 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.01	0.02	0.07
Franklin County, PA	Ozone	Maintenance	100	-	0.01	0.01	0.03
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.03
Fredericksburg, VA	Ozone	Maintenance	100	-	0.01	0.02	0.08
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Fresno, CA	CO	Maintenance	100	-	0.02	0.03	0.11
Grand Rapids, MI	Ozone	Maintenance	100	-	0.03	0.04	0.15
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	0.06	0.09	0.32
Greeley, CO	CO	Maintenance	100	-	0.00	0.01	0.02
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.01	0.02
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.05	0.09	0.31
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.03	0.04	0.16
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.03	0.05	0.17
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.01	0.02
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.03	0.05	0.16
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.04	0.15
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.04	0.06	0.21
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	0.01
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.03
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.01	0.02	0.06
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.56	-0.73	-0.96
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.06

Table B2-21
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Acetaldehyde 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
		t					
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.01	0.01	0.03
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Imperial County, CA	Ozone	Moderate	50	-	0.01	0.01	0.04
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.01	0.01	0.04
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.07	0.11	0.38
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.05	0.09	0.30
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.02
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.01	0.01	0.03
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.01	0.02
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.01	0.01	0.04
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.01	0.02
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.02
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.02	0.03	0.10
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.06	0.09	0.32
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.01	0.03
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.02
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.00
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	0.01
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.04	0.06	0.22
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.03	0.05	0.17
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.01
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake County, IN	SO _x	Maintenance	100	-	0.01	0.02	0.06
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.00

Table B2-21
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Acetaldehyde 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.02	0.02	0.09
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.02	0.09
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.02	0.03	0.09
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.01	0.02
Las Vegas, NV	CO	Serious	100	-	0.05	0.08	0.28
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.05	0.08	0.28
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.02
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Lima, OH	Ozone	Maintenance	100	-	0.00	0.01	0.02
Longmont, CO	CO	Maintenance	100	-	0.00	0.00	0.02
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.44	0.74	2.72
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	0.44	0.74	2.72
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.44	0.74	2.72
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.44	0.74	2.72
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.44	0.74	2.72
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.02	0.04	0.13
Louisville, KY-IN	Ozone	Maintenance	100	-	0.04	0.06	0.22
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.04	0.06	0.21
Lowell, MA	CO	Maintenance	100	-	0.00	0.01	0.02
Lucas County, OH	SO _x	Maintenance	100	-	0.01	0.02	0.06
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Macon, GA	Ozone	Maintenance	100	-	0.01	0.01	0.04
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.04
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.01	0.01	0.05
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Manchester, NH	CO	Maintenance	100	-	0.00	0.00	0.02
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.01	0.02

Table B2-21
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Acetaldehyde 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Marion County, IN	SO _x	Maintenance	100	-	0.01	0.02	0.06
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.02
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.06
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Medford, OR	CO	Maintenance	100	-	0.00	0.00	0.01
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	0.03
Memphis, TN-AR	Ozone	Maintenance	100	-	0.03	0.06	0.20
Memphis, TN	CO	Maintenance	100	-	0.03	0.05	0.18
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.02	0.03	0.10
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.06	0.10	0.34
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.06	0.10	0.45
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.09	0.15	0.53
Missoula, MT	CO	Maintenance	100	-	0.00	0.00	0.01
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Modesto, CA	CO	Maintenance	100	-	0.01	0.02	0.06
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.01
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.01	0.02
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.01	0.02
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	0.01
Nashville, TN	Ozone	Former Subpart 1	50	-	0.05	0.09	0.31
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.02
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.01	0.03
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.03	0.04	0.15
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.02	0.03	0.09
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.26	0.43	1.52
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.50	0.82	2.86
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.50	0.81	2.84
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01

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Acetaldehyde 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.05	0.09	0.30
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	0.01
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.01	0.03
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.03
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.01	0.02
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.01	0.02	0.08
Phildelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.15	0.25	0.86
Phildelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.22	0.36	1.26
Phoenix, AZ	CO	Maintenance	100	-	0.15	0.24	0.84
Phoenix, AZ	PM ₁₀	Serious	70	-	0.15	0.25	0.87
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.15	0.25	0.87
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.00
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.07	0.11	0.39
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.06	0.10	0.36
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.02	0.03	0.11
Portland, OR	CO	Maintenance	100	-	0.04	0.06	0.22
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Poughkeepsie, NY	Ozone	Moderate	50	-	0.04	0.07	0.25
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.03	0.05	0.19
Provo, UT	CO	Maintenance	100	-	0.01	0.01	0.03
Raleigh-Durham, NC	CO	Maintenance	100	-	0.04	0.07	0.24
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.06	0.10	0.33
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.01	0.02	0.06

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.06
Reno, NV	CO	Maintenance	100	-	0.01	0.01	0.05
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.04	0.07	0.24
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.02	0.03	0.12
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.05
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.00	0.02
Rochester, NY	Ozone	Former Subpart 1	50	-	0.05	0.07	0.26
Rocky Mount, NC	Ozone	Maintenance	100	-	0.01	0.01	0.04
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.02
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.05	0.08	0.27
Sacramento Metro, CA	Ozone	Severe	25	-	0.09	0.14	0.49
Sacramento, CA	CO	Maintenance	100	-	0.05	0.09	0.30
Salem, OR	CO	Maintenance	100	-	0.00	0.01	0.03
Salt Lake City, UT	CO	Maintenance	100	-	-0.03	-0.04	-0.07
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-0.00	0.00	0.09
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.03	0.06	0.20
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.06	0.10	0.35
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.01	0.02	0.08
San Diego, CA	CO	Maintenance	100	-	0.13	0.22	0.77
San Diego, CA	Ozone	Former Subpart 1	50	-	0.13	0.22	0.77
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.21	0.34	1.20
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.24	0.39	1.36
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.13	0.22	0.80
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.13	0.22	0.81
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.13	0.22	0.80
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.02	0.04	0.13
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.10	0.16	0.57
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.01	0.02
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.02	0.02	0.09
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.01	0.01	0.04
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.01	0.02	0.06
Spokane, WA	CO	Maintenance	100	-	0.01	0.02	0.06
Springfield (western MA), MA	Ozone	Moderate	50	-	0.03	0.05	0.17
Springfield, MA	CO	Maintenance	100	-	0.00	0.01	0.03
St Louis, MO	CO	Maintenance	100	-	0.03	0.05	0.18
St Louis, MO-IL	Ozone	Moderate	50	-	0.10	0.16	0.58
St. Louis, MO-IL	PM _{2,5}	Nonattainment	100	-	0.10	0.16	0.57
State College, PA	Ozone	Maintenance	100	-	0.01	0.01	0.03
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.01	0.02
Steubenville-Weirton, OH-WV	PM _{2,5}	Nonattainment	100	-	0.00	0.01	0.02
Stockton, CA	CO	Maintenance	100	-	0.01	0.02	0.09
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.02	0.03	0.10
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.01	0.03
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Toledo, OH	Ozone	Maintenance	100	-	0.02	0.03	0.11
Toms River, NJ	CO	Maintenance	100	-	0.00	0.01	0.02
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.01	0.02
Trenton, NJ	CO	Maintenance	100	-	0.00	0.00	0.02
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.03	0.05	0.19
Utah County, UT	PM ₁₀	Moderate	100	-	0.02	0.03	0.09
Vancouver, WA	CO	Maintenance	100	-	0.01	0.02	0.06
Ventura County, CA	Ozone	Serious	50	-	0.03	0.04	0.15
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.03
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	0.01
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.01	0.01	0.04
Washington, DC-MD-VA	CO	Maintenance	100	-	0.05	0.09	0.30

Table B2-21
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Acetaldehyde 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.18	0.29	1.02
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.17	0.29	1.00
Washoe County, NV	PM ₁₀	Serious	70	-	0.01	0.01	0.05
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.01	0.01	0.03
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.03
Winston-Salem, NC	CO	Maintenance	100	-	0.01	0.02	0.08
Worcester, MA	CO	Maintenance	100	-	0.01	0.01	0.04
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	0.01
York, PA	Ozone	Maintenance	100	-	0.01	0.02	0.08
York, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.07
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.02	0.04	0.13
Yuma, AZ	PM ₁₀	Moderate	100	-	0.01	0.01	0.03

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

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

c/ Emissions thresholds in tons/year of: VOC or NO_x in ozone NAAs; primary PM_{2.5} in PM_{2.5} NAAs. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the proposed actions. Source: EPA, 2008.

Table B2-22
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.13	0.26	0.44
Albuquerque, NM	CO	Maintenance	100	-	0.06	0.12	0.20
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.01	0.03	0.05
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.06	0.12	0.20
Altoona, PA	Ozone	Maintenance	100	-	0.01	0.02	0.04
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.02	0.03	0.06
Anchorage, AK	CO	Maintenance	100	-	0.01	0.03	0.05
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	0.67	1.34	2.31
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.67	1.34	2.31
Atlantic City, NJ	CO	Maintenance	100	-	0.01	0.01	0.02
Bakersfield, CA	CO	Maintenance	100	-	0.01	0.04	0.07
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.00
Baltimore, MD	Ozone	Moderate	50	-	0.30	0.60	1.03
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.30	0.60	1.03
Baton Rouge, LA	Ozone	Moderate	50	-	-0.03	-0.01	-0.01
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-1.26	-1.89	-3.21
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.02	0.04	0.06
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.01	0.03	0.05
Billings, MT	CO	Maintenance	100	-	0.01	0.01	0.03
Birmingham, AL	Ozone	Maintenance	100	-	0.10	0.20	0.35
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.10	0.20	0.35
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.03	0.06	0.11
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.03	0.06	0.11
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Boston, MA	CO	Maintenance	100	-	0.09	0.17	0.29
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.51	1.02	1.76
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.06	0.13	0.22
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.00

Table B2-22
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.12	0.23	0.40
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.03	0.06	0.10
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.03	0.06	0.10
Case County, MI	Ozone	Maintenance	100	-	0.00	0.01	0.02
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.03	0.06	0.10
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.03	0.06	0.10
Charlotte, NC	CO	Maintenance	100	-	0.07	0.15	0.25
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.16	0.33	0.57
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.05	0.11	0.19
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.05	0.10	0.17
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.71	1.41	2.44
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.73	1.46	2.52
Chico, CA	CO	Maintenance	100	-	0.01	0.02	0.04
Chico, CA	Ozone	Former Subpart 1	50	-	0.03	0.05	0.09
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.20	0.39	0.68
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.19	0.38	0.66
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.15	0.30	0.52
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.03	0.05	0.09
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.02	0.04	0.06
Cleveland, OH	CO	Maintenance	100	-	0.09	0.19	0.32
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.26	0.51	0.89
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.24	0.47	0.82
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.06	0.13	0.22
Colbert County, AL	SO _x	Maintenance	100	-	0.01	0.01	0.02
Colorado Springs, CO	CO	Maintenance	100	-	0.06	0.12	0.20
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.06	0.13	0.22
Columbus, OH	Ozone	Maintenance	100	-	0.17	0.34	0.58

Table B2-22
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.16	0.31	0.54
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.09	0.19	0.32
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.08	0.15	0.26
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.70	1.39	2.41
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.08	0.17	0.29
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.07	0.15	0.25
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.30	0.60	1.03
Denver-Boulder, CO	CO	Maintenance	100	-	0.29	0.57	0.98
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.36	0.72	1.24
Detroit, MI	CO	Maintenance	100	-	0.16	0.32	0.55
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.46	0.92	1.60
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.45	0.91	1.57
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.01	0.01
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.01	0.01
Duluth, MN	CO	Maintenance	100	-	0.01	0.02	0.03
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.02	0.04	0.07
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.05	0.10	0.17
El Paso, TX	CO	Maintenance	100	-	0.00	0.01	0.01
Erie, PA	Ozone	Maintenance	100	-	0.02	0.05	0.08
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.02	0.05	0.08
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.02	0.04	0.08
Evansville, IN	Ozone	Maintenance	100	-	0.03	0.05	0.09
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.03	0.07	0.11
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.01
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.03	0.06	0.10
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	0.05	0.10	0.18
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.02	0.04	0.06

Table B2-22
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.04	0.07	0.13
Franklin County, PA	Ozone	Maintenance	100	-	0.02	0.03	0.05
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.01	0.03	0.05
Fredericksburg, VA	Ozone	Maintenance	100	-	0.04	0.08	0.14
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Fresno, CA	CO	Maintenance	100	-	0.06	0.12	0.20
Grand Rapids, MI	Ozone	Maintenance	100	-	0.08	0.16	0.28
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	0.01
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.01
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.01
Greater Connecticut, CT	Ozone	Moderate	50	-	0.16	0.33	0.57
Greeley, CO	CO	Maintenance	100	-	0.01	0.02	0.04
Green Bay, WI	SO _x	Maintenance	100	-	0.01	0.02	0.04
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.01	0.02
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.01	0.02
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.16	0.32	0.56
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.08	0.16	0.28
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.09	0.18	0.31
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.01	0.02	0.04
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.09	0.17	0.30
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.08	0.16	0.27
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.11	0.21	0.37
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.01	0.01
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.02	0.04	0.06
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.03	0.06	0.10
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-1.21	-1.57	-2.63
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.03	0.06	0.10

Table B2-22
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
		t					
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.02	0.03	0.06
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.01	0.01
Imperial County, CA	Ozone	Moderate	50	-	0.02	0.04	0.08
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.02	0.04	0.07
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.01
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.20	0.40	0.69
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.16	0.32	0.55
Jackson County, IN	Ozone	Maintenance	100	-	0.01	0.02	0.03
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.02	0.03	0.05
Jefferson County, NY	Ozone	Moderate	50	-	0.01	0.02	0.04
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.02	0.04	0.07
Johnstown, PA	Ozone	Maintenance	100	-	0.01	0.02	0.03
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.04
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.05	0.10	0.17
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.17	0.33	0.57
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.01	0.03	0.05
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.01
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.01	0.02	0.03
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.01
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.01	0.02
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.12	0.24	0.41
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.09	0.18	0.32
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.01
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Lake County, IN	SO _x	Maintenance	100	-	0.03	0.06	0.10
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.01	0.01
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.01	0.01
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.01	0.01	0.02
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.01

Table B2-22
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.04	0.09	0.16
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.04	0.09	0.16
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.05	0.10	0.16
LaPorte, IN	Ozone	Maintenance	100	-	0.01	0.02	0.03
Las Vegas, NV	CO	Serious	100	-	0.15	0.30	0.52
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.15	0.30	0.53
Lauderdale County, AL	SO _x	Maintenance	100	-	0.01	0.02	0.03
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Lima, OH	Ozone	Maintenance	100	-	0.01	0.02	0.04
Longmont, CO	CO	Maintenance	100	-	0.01	0.02	0.03
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.01	0.02
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	1.38	2.83	4.89
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	1.38	2.83	4.89
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	1.38	2.83	4.89
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	1.38	2.83	4.89
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	1.38	2.83	4.89
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.07	0.14	0.24
Louisville, KY-IN	Ozone	Maintenance	100	-	0.11	0.23	0.39
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.11	0.22	0.38
Lowell, MA	CO	Maintenance	100	-	0.01	0.02	0.04
Lucas County, OH	SO _x	Maintenance	100	-	0.03	0.06	0.10
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.01	0.01	0.02
Macon, GA	Ozone	Maintenance	100	-	0.02	0.04	0.07
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.02	0.04	0.07
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.02	0.05	0.08
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Manchester, NH	CO	Maintenance	100	-	0.01	0.02	0.03
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.01	0.02	0.03

Table B2-22
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Marion County, IN	SO _x	Maintenance	100	-	0.03	0.06	0.11
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.02	0.04
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.03	0.06	0.11
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.01	0.01
Medford, OR	CO	Maintenance	100	-	0.01	0.02	0.03
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.02	0.04	0.06
Memphis, TN-AR	Ozone	Maintenance	100	-	0.10	0.20	0.34
Memphis, TN	CO	Maintenance	100	-	0.09	0.18	0.32
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.01	0.01
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.05	0.11	0.18
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.18	0.36	0.61
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.20	0.44	0.77
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.28	0.56	0.97
Missoula, MT	CO	Maintenance	100	-	0.01	0.01	0.02
Missoula, MT	PM ₁₀	Moderate	100	-	0.01	0.01	0.02
Modesto, CA	CO	Maintenance	100	-	0.03	0.06	0.11
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.01	0.02	0.04
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.01	0.01
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.01	0.01
Muncie, IN	Ozone	Maintenance	100	-	0.01	0.02	0.04
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.01
Muskegon, MI	Ozone	Maintenance	100	-	0.01	0.03	0.04
Nashua, NH	CO	Maintenance	100	-	0.01	0.01	0.02
Nashville, TN	Ozone	Former Subpart 1	50	-	0.16	0.33	0.56
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.01	0.03	0.05
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.01	0.03	0.05
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.08	0.16	0.27
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.05	0.09	0.16
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.78	1.56	2.70
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	1.48	2.96	5.12
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	1.47	2.94	5.08
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.01

Table B2-22
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.16	0.31	0.54
Ogden, UT	CO	Maintenance	100	-	0.01	0.01	0.02
Ogden, UT	PM ₁₀	Moderate	100	-	0.01	0.01	0.02
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.01	0.02	0.04
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.01	0.03	0.05
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.05
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.01	0.02	0.03
Perth Amboy, NJ	CO	Maintenance	100	-	0.01	0.02	0.03
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.04	0.08	0.13
Phildelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.44	0.88	1.53
Phildelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.65	1.30	2.25
Phoenix, AZ	CO	Maintenance	100	-	0.47	0.94	1.62
Phoenix, AZ	PM ₁₀	Serious	70	-	0.48	0.97	1.67
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.49	0.97	1.68
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.01
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.20	0.40	0.69
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.18	0.36	0.63
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.06	0.11	0.19
Portland, OR	CO	Maintenance	100	-	0.11	0.23	0.39
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Poughkeepsie, NY	Ozone	Moderate	50	-	0.14	0.27	0.47
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.10	0.20	0.34
Provo, UT	CO	Maintenance	100	-	0.02	0.03	0.06
Raleigh-Durham, NC	CO	Maintenance	100	-	0.13	0.26	0.45
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.18	0.36	0.61
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.03	0.07	0.11

Table B2-22
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.07	0.11
Reno, NV	CO	Maintenance	100	-	0.02	0.05	0.08
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.12	0.24	0.42
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.06	0.13	0.22
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.03	0.05	0.09
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.01	0.02	0.03
Rochester, NY	Ozone	Former Subpart 1	50	-	0.13	0.27	0.46
Rocky Mount, NC	Ozone	Maintenance	100	-	0.02	0.04	0.06
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.04
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.15	0.30	0.52
Sacramento Metro, CA	Ozone	Severe	25	-	0.27	0.54	0.93
Sacramento, CA	CO	Maintenance	100	-	0.17	0.33	0.58
Salem, OR	CO	Maintenance	100	-	0.01	0.03	0.05
Salt Lake City, UT	CO	Maintenance	100	-	-0.07	-0.10	-0.17
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.01	0.06	0.12
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.10	0.21	0.35
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.19	0.37	0.64
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.04	0.09	0.15
San Diego, CA	CO	Maintenance	100	-	0.41	0.83	1.43
San Diego, CA	Ozone	Former Subpart 1	50	-	0.42	0.83	1.44
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.64	1.28	2.21
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.72	1.45	2.50
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.42	0.86	1.49
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.42	0.86	1.49
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.42	0.86	1.49
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.01	0.01
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.07	0.13	0.23
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.30	0.60	1.03
Sheboygan, WI	Ozone	Moderate	50	-	0.01	0.02	0.04
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00

Table B2-22
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.05	0.09	0.16
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.02	0.03	0.06
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.03	0.06	0.10
Spokane, WA	CO	Maintenance	100	-	0.03	0.06	0.10
Springfield (western MA), MA	Ozone	Moderate	50	-	0.09	0.18	0.31
Springfield, MA	CO	Maintenance	100	-	0.01	0.03	0.05
St Louis, MO	CO	Maintenance	100	-	0.09	0.18	0.32
St Louis, MO-IL	Ozone	Moderate	50	-	0.29	0.59	1.02
St. Louis, MO-IL	PM _{2,5}	Nonattainment	100	-	0.29	0.59	1.01
State College, PA	Ozone	Maintenance	100	-	0.02	0.03	0.06
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.01	0.01
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.01	0.02	0.03
Steubenville-Weirton, OH-WV	PM _{2,5}	Nonattainment	100	-	0.01	0.02	0.03
Stockton, CA	CO	Maintenance	100	-	0.05	0.09	0.16
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.05	0.10	0.18
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.01	0.03	0.05
Tioga County, PA	Ozone	Maintenance	100	-	0.01	0.01	0.02
Toledo, OH	Ozone	Maintenance	100	-	0.05	0.11	0.19
Toms River, NJ	CO	Maintenance	100	-	0.01	0.02	0.03
Tooele County, UT	SO _x	Nonattainment	100	-	0.01	0.02	0.03
Trenton, NJ	CO	Maintenance	100	-	0.01	0.02	0.03
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.10	0.20	0.34
Utah County, UT	PM ₁₀	Moderate	100	-	0.05	0.10	0.17
Vancouver, WA	CO	Maintenance	100	-	0.03	0.06	0.11
Ventura County, CA	Ozone	Serious	50	-	0.08	0.16	0.28
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.01	0.03	0.05
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.01	0.01	0.02
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.01	0.01
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.02	0.04	0.07
Washington, DC-MD-VA	CO	Maintenance	100	-	0.16	0.31	0.54

Table B2-22
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.54	1.08	1.86
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.53	1.05	1.82
Washoe County, NV	PM ₁₀	Serious	70	-	0.02	0.05	0.08
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.01	0.01	0.02
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.01	0.01	0.03
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.01	0.03	0.05
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.05
Winston-Salem, NC	CO	Maintenance	100	-	0.04	0.08	0.14
Worcester, MA	CO	Maintenance	100	-	0.02	0.04	0.07
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.01	0.02	0.03
Yakima, WA	CO	Maintenance	100	-	0.00	0.01	0.01
York, PA	Ozone	Maintenance	100	-	0.04	0.09	0.15
York, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.07	0.12
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.06	0.13	0.22
Yuma, AZ	PM ₁₀	Moderate	100	-	0.02	0.04	0.06

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

Table B2-23
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Acetaldehyde 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.69	1.04	-0.39
Albuquerque, NM	CO	Maintenance	100	-	0.31	0.48	-0.18
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.08	0.13	-0.05
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.32	0.48	-0.18
Altoona, PA	Ozone	Maintenance	100	-	0.05	0.08	-0.03
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.11	0.16	-0.06
Anchorage, AK	CO	Maintenance	100	-	0.08	0.12	-0.05
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.01	-0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.00
Atlanta, GA	Ozone	Moderate	50	-	3.78	5.71	-2.12
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	3.78	5.72	-2.12
Atlantic City, NJ	CO	Maintenance	100	-	0.03	0.04	-0.01
Bakersfield, CA	CO	Maintenance	100	-	0.15	0.23	-0.36
Baltimore, MD	CO	Maintenance	100	-	0.01	0.01	-0.00
Baltimore, MD	Ozone	Moderate	50	-	1.66	2.50	-0.93
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	1.66	2.50	-0.93
Baton Rouge, LA	Ozone	Moderate	50	-	0.06	0.11	-0.91
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-4.16	-6.00	-9.37
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.09	0.13	-0.05
Benzie County, MI	Ozone	Maintenance	100	-	0.01	0.02	-0.01
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.08	0.12	-0.05
Billings, MT	CO	Maintenance	100	-	0.04	0.06	-0.02
Birmingham, AL	Ozone	Maintenance	100	-	0.53	0.80	-0.29
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.53	0.80	-0.30
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.18	0.28	-0.10
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.18	0.28	-0.10
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.01	0.02	-0.01
Boston, MA	CO	Maintenance	100	-	0.45	0.68	-0.25
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	2.76	4.16	-1.54
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.36	0.54	-0.20
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.01	-0.00

Table B2-23
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Acetaldehyde 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.60	0.91	-0.34
Burlington, NJ	CO	Maintenance	100	-	0.00	0.01	-0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.01	0.02	-0.01
Canon City, CO	PM ₁₀	Maintenance	100	-	0.01	0.02	-0.01
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.15	0.23	-0.08
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.15	0.23	-0.08
Case County, MI	Ozone	Maintenance	100	-	0.02	0.03	-0.01
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Charleston, WV	Ozone	Maintenance	100	-	0.14	0.21	-0.08
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.14	0.21	-0.08
Charlotte, NC	CO	Maintenance	100	-	0.42	0.63	-0.23
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.92	1.40	-0.52
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.29	0.43	-0.16
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.26	0.40	-0.15
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	3.88	5.87	-2.18
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	4.01	6.07	-2.25
Chico, CA	CO	Maintenance	100	-	0.07	0.11	-0.04
Chico, CA	Ozone	Former Subpart 1	50	-	0.15	0.23	-0.09
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	1.06	1.60	-0.60
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	1.03	1.56	-0.58
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.90	1.35	-0.50
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.15	0.22	-0.08
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.09	0.14	-0.05
Cleveland, OH	CO	Maintenance	100	-	0.46	0.69	-0.26
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	1.34	2.02	-0.75
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	1.23	1.86	-0.69
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.40	0.60	-0.22
Colbert County, AL	SO _x	Maintenance	100	-	0.03	0.04	-0.02
Colorado Springs, CO	CO	Maintenance	100	-	0.34	0.52	-0.19
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.35	0.53	-0.20
Columbus, OH	Ozone	Maintenance	100	-	0.96	1.44	-0.54

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Acetaldehyde 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.89	1.34	-0.50
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.46	0.69	-0.26
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.38	0.57	-0.21
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	4.04	6.10	-2.26
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.43	0.64	-0.24
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.38	0.57	-0.21
Denver Metro, CO	PM ₁₀	Maintenance	100	-	1.71	2.58	-0.96
Denver-Boulder, CO	CO	Maintenance	100	-	1.63	2.47	-0.91
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	2.06	3.11	-1.15
Detroit, MI	CO	Maintenance	100	-	0.77	1.17	-0.43
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	2.47	3.73	-1.39
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	2.43	3.66	-1.36
Door County, WI	Ozone	Former Subpart 1	50	-	0.02	0.03	-0.01
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.02	0.03	-0.01
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.01	0.02	-0.01
Duluth, MN	CO	Maintenance	100	-	0.04	0.06	-0.02
Eagle River, AK	PM ₁₀	Moderate	100	-	0.01	0.01	-0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.11	0.16	-0.06
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.27	0.41	-0.15
El Paso, TX	CO	Maintenance	100	-	0.02	0.03	-0.01
Erie, PA	Ozone	Maintenance	100	-	0.12	0.18	-0.07
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.13	0.19	-0.07
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.12	0.18	-0.07
Evansville, IN	Ozone	Maintenance	100	-	0.13	0.20	-0.07
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.17	0.26	-0.10
Fairbanks, AK	CO	Maintenance	100	-	0.01	0.02	-0.01
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.16	0.24	-0.09
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.01	-0.00
Flint, MI	Ozone	Maintenance	100	-	0.27	0.41	-0.15
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	0.10	0.16	-0.06

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Acetaldehyde 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.20	0.30	-0.11
Franklin County, PA	Ozone	Maintenance	100	-	0.08	0.13	-0.05
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.07	0.11	-0.04
Fredericksburg, VA	Ozone	Maintenance	100	-	0.25	0.37	-0.14
Freehold, NJ	CO	Maintenance	100	-	0.01	0.02	-0.01
Fresno, CA	CO	Maintenance	100	-	0.34	0.51	-0.19
Grand Rapids, MI	Ozone	Maintenance	100	-	0.45	0.69	-0.25
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.02	0.03	-0.01
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.02	0.03	-0.01
Great Falls, MT	CO	Maintenance	100	-	0.01	0.01	-0.01
Greater Connecticut, CT	Ozone	Moderate	50	-	0.86	1.29	-0.48
Greeley, CO	CO	Maintenance	100	-	0.07	0.10	-0.04
Green Bay, WI	SO _x	Maintenance	100	-	0.07	0.10	-0.04
Greene County, IN	Ozone	Maintenance	100	-	0.03	0.04	-0.01
Greene County, PA	Ozone	Maintenance	100	-	0.02	0.04	-0.01
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.86	1.30	-0.48
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.42	0.63	-0.24
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.46	0.70	-0.26
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.01	0.02	-0.01
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.06	0.09	-0.03
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.47	0.72	-0.27
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.44	0.66	-0.25
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.55	0.83	-0.31
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.01	0.01	-0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.02	0.03	-0.01
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.02	0.03	-0.01
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.09	0.14	-0.05
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.15	0.23	-0.08
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-2.84	-3.91	-14.39
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.15	0.23	-0.09

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Acetaldehyde 2040

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
		t					
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.08	0.12	-0.04
Huron County, MI	Ozone	Maintenance	100	-	0.01	0.02	-0.01
Imperial County, CA	Ozone	Moderate	50	-	0.13	0.20	-0.07
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.13	0.19	-0.07
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.02	0.03	-0.01
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	1.11	1.67	-0.62
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.88	1.33	-0.49
Jackson County, IN	Ozone	Maintenance	100	-	0.04	0.06	-0.02
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.08	0.12	-0.05
Jefferson County, NY	Ozone	Moderate	50	-	0.07	0.10	-0.04
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.11	0.17	-0.06
Johnstown, PA	Ozone	Maintenance	100	-	0.05	0.07	-0.03
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.05	0.08	-0.03
Juneau, AK	PM ₁₀	Moderate	100	-	0.01	0.01	-0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.26	0.40	-0.15
Kalispell, MT	PM ₁₀	Moderate	100	-	0.02	0.03	-0.01
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.92	1.40	-0.52
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.08	0.12	-0.04
Kent, WA	PM ₁₀	Maintenance	100	-	0.01	0.02	-0.01
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.04	0.07	-0.02
Kewaunee County, WI	Ozone	Maintenance	100	-	0.01	0.02	-0.01
King County, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.03	0.04	-0.01
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.03	0.04	-0.01
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.68	1.03	-0.38
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.52	0.78	-0.29
La Porte County, IN	SO _x	Maintenance	100	-	0.02	0.03	-0.01
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.00
Lake County, IN	SO _x	Maintenance	100	-	0.15	0.23	-0.09
Lake County, OH	SO _x	Maintenance	100	-	0.02	0.03	-0.01
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.02	0.03	-0.01
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.04	0.06	-0.02
Lake Tahoe, NV	CO	Maintenance	100	-	0.01	0.02	-0.01

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Acetaldehyde 2040

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.24	0.37	-0.14
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.24	0.37	-0.14
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.25	0.38	-0.14
LaPorte, IN	Ozone	Maintenance	100	-	0.05	0.07	-0.03
Las Vegas, NV	CO	Serious	100	-	0.90	1.35	-0.50
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.91	1.37	-0.51
Lauderdale County, AL	SO _x	Maintenance	100	-	0.04	0.07	-0.02
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.00
Lima, OH	Ozone	Maintenance	100	-	0.06	0.08	-0.03
Longmont, CO	CO	Maintenance	100	-	0.05	0.08	-0.03
Lorain County, OH	SO _x	Maintenance	100	-	0.02	0.04	-0.01
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	8.12	12.30	-5.87
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	8.12	12.30	-5.87
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	8.12	12.30	-5.87
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	8.12	12.30	-5.87
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	8.12	12.30	-5.87
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.39	0.60	-0.22
Louisville, KY-IN	Ozone	Maintenance	100	-	0.59	0.89	-0.33
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.56	0.85	-0.32
Lowell, MA	CO	Maintenance	100	-	0.06	0.10	-0.04
Lucas County, OH	SO _x	Maintenance	100	-	0.15	0.23	-0.08
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.03	0.05	-0.02
Macon, GA	Ozone	Maintenance	100	-	0.10	0.16	-0.06
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.10	0.15	-0.06
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Madison, WI	SO _x	Maintenance	100	-	0.14	0.22	-0.08
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.01	0.01	-0.00
Manchester, NH	CO	Maintenance	100	-	0.04	0.06	-0.02
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.05	0.08	-0.03

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Marion County, IN	SO _x	Maintenance	100	-	0.16	0.24	-0.09
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.07	0.11	-0.04
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.17	0.26	-0.10
Mason County, MI	Ozone	Maintenance	100	-	0.01	0.02	-0.01
Medford, OR	CO	Maintenance	100	-	0.05	0.07	-0.03
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.11	0.17	-0.06
Memphis, TN-AR	Ozone	Maintenance	100	-	0.51	0.76	-0.28
Memphis, TN	CO	Maintenance	100	-	0.47	0.71	-0.26
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.02	0.03	-0.01
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.27	0.41	-0.15
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.96	1.45	-0.54
Minneapolis-St Paul, MN	CO	Maintenance	100	-	1.29	1.97	-1.52
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	1.55	2.34	-0.87
Missoula, MT	CO	Maintenance	100	-	0.03	0.05	-0.02
Missoula, MT	PM ₁₀	Moderate	100	-	0.03	0.05	-0.02
Modesto, CA	CO	Maintenance	100	-	0.19	0.28	-0.11
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.06	0.10	-0.04
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Morristown, NJ	CO	Maintenance	100	-	0.02	0.03	-0.01
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.01	0.02	-0.01
Muncie, IN	Ozone	Maintenance	100	-	0.06	0.08	-0.03
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.01	0.01	-0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.07	0.11	-0.04
Nashua, NH	CO	Maintenance	100	-	0.03	0.05	-0.02
Nashville, TN	Ozone	Former Subpart 1	50	-	0.91	1.38	-0.51
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.09	0.14	-0.05
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.08	0.12	-0.05
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.41	0.61	-0.23
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.23	0.34	-0.13
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	4.10	6.19	-2.30
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	7.91	11.96	-4.44
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	7.84	11.85	-4.40
Nogales, AZ	PM ₁₀	Moderate	100	-	0.02	0.03	-0.01

Table B2-23
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Acetaldehyde 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.83	1.26	-0.47
Ogden, UT	CO	Maintenance	100	-	0.04	0.06	-0.02
Ogden, UT	PM ₁₀	Moderate	100	-	0.04	0.06	-0.02
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.01	0.02	-0.01
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.06	0.09	-0.03
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.07	0.11	-0.04
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.07	0.11	-0.04
Payson, AZ	PM ₁₀	Maintenance	100	-	0.01	0.02	-0.01
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.05	0.08	-0.03
Perth Amboy, NJ	CO	Maintenance	100	-	0.05	0.07	-0.03
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.19	0.29	-0.11
Phildelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	2.33	3.52	-1.30
Phildelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	3.44	5.20	-1.93
Phoenix, AZ	CO	Maintenance	100	-	3.04	4.59	-1.70
Phoenix, AZ	PM ₁₀	Serious	70	-	3.12	4.71	-1.75
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	3.13	4.73	-1.75
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.01	0.02	-0.01
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	1.03	1.56	-0.58
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.94	1.42	-0.53
Polk County, TN	SO _x	Maintenance	100	-	0.01	0.02	-0.01
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Portland, ME	Ozone	Maintenance	100	-	0.30	0.45	-0.17
Portland, OR	CO	Maintenance	100	-	0.60	0.91	-0.36
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.02	0.03	-0.01
Poughkeepsie, NY	Ozone	Moderate	50	-	0.80	1.20	-0.45
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.54	0.81	-0.30
Provo, UT	CO	Maintenance	100	-	0.10	0.14	-0.05
Raleigh-Durham, NC	CO	Maintenance	100	-	0.75	1.13	-0.42
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	1.02	1.53	-0.57
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Reading, PA	Ozone	Maintenance	100	-	0.18	0.27	-0.10

Table B2-23
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Acetaldehyde 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.18	0.27	-0.10
Reno, NV	CO	Maintenance	100	-	0.13	0.20	-0.07
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.65	0.98	-0.37
Rillito, AZ	PM ₁₀	Moderate	100	-	0.03	0.04	-0.02
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.40	0.60	-0.22
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.14	0.20	-0.08
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.04	0.07	-0.02
Rochester, NY	Ozone	Former Subpart 1	50	-	0.71	1.07	-0.40
Rocky Mount, NC	Ozone	Maintenance	100	-	0.10	0.14	-0.05
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.06	0.09	-0.04
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.91	1.38	-0.51
Sacramento Metro, CA	Ozone	Severe	25	-	1.67	2.52	-0.94
Sacramento, CA	CO	Maintenance	100	-	1.02	1.55	-0.57
Salem, OR	CO	Maintenance	100	-	0.07	0.10	-0.04
Salt Lake City, UT	CO	Maintenance	100	-	-0.19	-0.27	-0.73
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.25	0.40	-0.98
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.57	0.85	-0.32
San Antonio, TX	Ozone	Former Subpart 1	50	-	1.03	1.56	-0.58
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.24	0.37	-0.14
San Diego, CA	CO	Maintenance	100	-	2.47	3.74	-1.39
San Diego, CA	Ozone	Former Subpart 1	50	-	2.48	3.75	-1.39
San Francisco Bay Area, CA	Ozone	Marginal	50	-	3.66	5.53	-2.05
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	4.13	6.24	-2.31
San Joaquin Valley, CA	Ozone	Extreme	10	-	2.64	3.99	-1.76
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	2.65	4.00	-1.76
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	2.64	3.99	-1.76
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.02	0.03	-0.01
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.35	0.53	-0.20
Seattle-Tacoma, WA	CO	Maintenance	100	-	1.68	2.53	-0.94
Sheboygan, WI	Ozone	Moderate	50	-	0.07	0.10	-0.04
Sheridan, WY	PM ₁₀	Moderate	100	-	0.01	0.02	-0.01
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00

Table B2-23
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Acetaldehyde 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Somerville, NJ	CO	Maintenance	100	-	0.01	0.01	-0.01
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.24	0.36	-0.13
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.08	0.12	-0.04
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.17	0.25	-0.09
Spokane, WA	CO	Maintenance	100	-	0.16	0.25	-0.09
Springfield (western MA), MA	Ozone	Moderate	50	-	0.47	0.71	-0.26
Springfield, MA	CO	Maintenance	100	-	0.08	0.12	-0.04
St Louis, MO	CO	Maintenance	100	-	0.43	0.66	-0.24
St Louis, MO-IL	Ozone	Moderate	50	-	1.52	2.29	-0.85
St. Louis, MO-IL	PM _{2,5}	Nonattainment	100	-	1.51	2.27	-0.84
State College, PA	Ozone	Maintenance	100	-	0.10	0.14	-0.05
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.01	0.02	-0.01
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.02	0.03	-0.01
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.05	0.07	-0.03
Steubenville-Weirton, OH-WV	PM _{2,5}	Nonattainment	100	-	0.05	0.07	-0.03
Stockton, CA	CO	Maintenance	100	-	0.28	0.43	-0.16
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.26	0.40	-0.15
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.06	0.10	-0.04
Tioga County, PA	Ozone	Maintenance	100	-	0.03	0.04	-0.02
Toledo, OH	Ozone	Maintenance	100	-	0.28	0.42	-0.16
Toms River, NJ	CO	Maintenance	100	-	0.06	0.09	-0.03
Tooele County, UT	SO _x	Nonattainment	100	-	0.06	0.08	-0.03
Trenton, NJ	CO	Maintenance	100	-	0.05	0.07	-0.03
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Tucson, AZ	CO	Maintenance	100	-	0.57	0.86	-0.32
Utah County, UT	PM ₁₀	Moderate	100	-	0.28	0.42	-0.15
Vancouver, WA	CO	Maintenance	100	-	0.18	0.28	-0.10
Ventura County, CA	Ozone	Serious	50	-	0.50	0.75	-0.30
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.06	0.10	-0.04
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.03	0.04	-0.02
Warren County, NJ	SO _x	Maintenance	100	-	0.02	0.03	-0.01
Warren County, PA	SO _x	Nonattainment	100	-	0.01	0.01	-0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.11	0.17	-0.06
Washington, DC-MD-VA	CO	Maintenance	100	-	0.85	1.29	-0.48

Table B2-23
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative Acetaldehyde 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	3.05	4.60	-1.71
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	2.98	4.50	-1.67
Washoe County, NV	PM ₁₀	Serious	70	-	0.13	0.20	-0.07
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.03	0.05	-0.02
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.04	0.07	-0.03
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.00
Weirton, WV	SO _x	Maintenance	100	-	0.01	0.01	-0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.07	0.11	-0.04
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.07	0.11	-0.04
Winston-Salem, NC	CO	Maintenance	100	-	0.22	0.33	-0.12
Worcester, MA	CO	Maintenance	100	-	0.12	0.19	-0.07
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.05	0.08	-0.03
Yakima, WA	CO	Maintenance	100	-	0.02	0.03	-0.01
York, PA	Ozone	Maintenance	100	-	0.25	0.37	-0.14
York, PA	PM _{2.5}	Nonattainment	100	-	0.19	0.29	-0.11
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.31	0.47	-0.18
Yuma, AZ	PM ₁₀	Moderate	100	-	0.11	0.16	-0.06

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

Table B2-24
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.01	0.01	-0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	1.57	1.98	-0.13
Albuquerque, NM	CO	Maintenance	100	-	0.70	0.89	-0.06
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.20	0.25	-0.02
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.72	0.91	-0.06
Altoona, PA	Ozone	Maintenance	100	-	0.11	0.13	-0.01
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.28	0.36	-0.02
Anchorage, AK	CO	Maintenance	100	-	0.19	0.24	-0.02
Anthony, NM	PM ₁₀	Moderate	100	-	0.01	0.01	-0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.01	0.01	-0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.00
Atlanta, GA	Ozone	Moderate	50	-	8.86	11.19	-0.74
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	8.86	11.19	-0.74
Atlantic City, NJ	CO	Maintenance	100	-	0.06	0.07	-0.00
Bakersfield, CA	CO	Maintenance	100	-	0.38	0.49	-0.39
Baltimore, MD	CO	Maintenance	100	-	0.01	0.01	-0.00
Baltimore, MD	Ozone	Moderate	50	-	3.82	4.82	-0.32
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	3.82	4.82	-0.32
Baton Rouge, LA	Ozone	Moderate	50	-	0.20	0.29	-1.15
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-8.47	-10.24	-14.37
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.18	0.23	-0.02
Benzie County, MI	Ozone	Maintenance	100	-	0.03	0.04	-0.00
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.19	0.24	-0.02
Billings, MT	CO	Maintenance	100	-	0.09	0.11	-0.01
Birmingham, AL	Ozone	Maintenance	100	-	1.15	1.45	-0.10
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	1.15	1.45	-0.10
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.43	0.54	-0.04
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.43	0.54	-0.04
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.02	0.03	-0.00
Boston, MA	CO	Maintenance	100	-	1.00	1.27	-0.08
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	6.22	7.86	-0.52
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.83	1.05	-0.07
Boyd County (part), KY	SO _x	Maintenance	100	-	0.01	0.01	-0.00

Table B2-24
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	1.33	1.68	-0.11
Burlington, NJ	CO	Maintenance	100	-	0.01	0.01	-0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.02	0.03	-0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	0.03	0.04	-0.00
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.32	0.41	-0.03
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.32	0.41	-0.03
Case County, MI	Ozone	Maintenance	100	-	0.05	0.06	-0.00
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.01	0.01	-0.00
Charleston, WV	Ozone	Maintenance	100	-	0.28	0.36	-0.02
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.28	0.36	-0.02
Charlotte, NC	CO	Maintenance	100	-	0.99	1.25	-0.08
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	2.16	2.72	-0.18
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.63	0.79	-0.05
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.58	0.73	-0.05
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	8.91	11.25	-0.75
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	9.21	11.63	-0.77
Chico, CA	CO	Maintenance	100	-	0.18	0.23	-0.02
Chico, CA	Ozone	Former Subpart 1	50	-	0.38	0.48	-0.03
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	2.40	3.03	-0.20
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	2.32	2.93	-0.19
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.01	0.02	-0.00
Clark County, NV	PM ₁₀	Serious	70	-	2.19	2.77	-0.18
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.34	0.43	-0.03
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.21	0.26	-0.02
Cleveland, OH	CO	Maintenance	100	-	0.93	1.18	-0.08
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	2.93	3.70	-0.24
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	2.68	3.38	-0.22
Coachella Valley, CA	PM ₁₀	Serious	70	-	1.00	1.27	-0.08
Colbert County, AL	SO _x	Maintenance	100	-	0.06	0.07	-0.00
Colorado Springs, CO	CO	Maintenance	100	-	0.82	1.03	-0.07
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.79	1.00	-0.07
Columbus, OH	Ozone	Maintenance	100	-	2.25	2.84	-0.19

Table B2-24
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Columbus, OH	PM _{2.5}	Nonattainment	100	-	2.10	2.65	-0.18
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.93	1.18	-0.08
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.80	1.02	-0.07
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	9.65	12.19	-0.81
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.92	1.16	-0.08
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.80	1.02	-0.07
Denver Metro, CO	PM ₁₀	Maintenance	100	-	4.04	5.10	-0.34
Denver-Boulder, CO	CO	Maintenance	100	-	3.86	4.87	-0.32
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	4.87	6.16	-0.41
Detroit, MI	CO	Maintenance	100	-	1.45	1.84	-0.12
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	5.53	6.99	-0.46
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	5.43	6.86	-0.45
Door County, WI	Ozone	Former Subpart 1	50	-	0.05	0.06	-0.00
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.04	0.05	-0.00
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.03	0.04	-0.00
Duluth, MN	CO	Maintenance	100	-	0.09	0.11	-0.01
Eagle River, AK	PM ₁₀	Moderate	100	-	0.01	0.02	-0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.23	0.29	-0.02
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.62	0.78	-0.05
El Paso, TX	CO	Maintenance	100	-	0.04	0.05	-0.00
Erie, PA	Ozone	Maintenance	100	-	0.25	0.32	-0.02
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.29	0.37	-0.02
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.28	0.36	-0.02
Evansville, IN	Ozone	Maintenance	100	-	0.30	0.37	-0.02
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.37	0.47	-0.03
Fairbanks, AK	CO	Maintenance	100	-	0.02	0.03	-0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.35	0.45	-0.03
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.00
Flint, MI	Ozone	Maintenance	100	-	0.59	0.75	-0.05
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	0.25	0.31	-0.02

Table B2-24
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Acetaldehyde 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.44	0.56	-0.04
Franklin County, PA	Ozone	Maintenance	100	-	0.19	0.24	-0.02
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.16	0.20	-0.01
Fredericksburg, VA	Ozone	Maintenance	100	-	0.60	0.75	-0.05
Freehold, NJ	CO	Maintenance	100	-	0.03	0.03	-0.00
Fresno, CA	CO	Maintenance	100	-	0.80	1.01	-0.07
Grand Rapids, MI	Ozone	Maintenance	100	-	1.05	1.33	-0.09
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.04	0.05	-0.00
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.05	0.06	-0.00
Great Falls, MT	CO	Maintenance	100	-	0.02	0.02	-0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	1.87	2.37	-0.16
Greeley, CO	CO	Maintenance	100	-	0.16	0.21	-0.01
Green Bay, WI	SO _x	Maintenance	100	-	0.15	0.19	-0.01
Greene County, IN	Ozone	Maintenance	100	-	0.06	0.07	-0.00
Greene County, PA	Ozone	Maintenance	100	-	0.05	0.06	-0.00
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	1.90	2.40	-0.16
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.92	1.17	-0.08
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	1.01	1.27	-0.08
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.03	0.03	-0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.14	0.18	-0.01
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	1.10	1.39	-0.09
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	1.01	1.28	-0.08
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	1.18	1.49	-0.10
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.01	0.02	-0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.06	0.07	-0.00
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.01	0.01	-0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.05	0.06	-0.00
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.19	0.24	-0.02
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.33	0.42	-0.03
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-4.96	-5.64	-20.18
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.33	0.41	-0.03

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
		t					
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.16	0.21	-0.01
Huron County, MI	Ozone	Maintenance	100	-	0.03	0.04	-0.00
Imperial County, CA	Ozone	Moderate	50	-	0.32	0.40	-0.03
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.31	0.39	-0.03
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.04	0.05	-0.00
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	2.55	3.23	-0.21
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	2.03	2.57	-0.17
Jackson County, IN	Ozone	Maintenance	100	-	0.09	0.11	-0.01
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.18	0.22	-0.01
Jefferson County, NY	Ozone	Moderate	50	-	0.14	0.18	-0.01
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.24	0.31	-0.02
Johnstown, PA	Ozone	Maintenance	100	-	0.09	0.11	-0.01
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.10	0.12	-0.01
Juneau, AK	PM ₁₀	Moderate	100	-	0.02	0.02	-0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.58	0.73	-0.05
Kalispell, MT	PM ₁₀	Moderate	100	-	0.04	0.05	-0.00
Kansas City, MO-KS	Ozone	Maintenance	100	-	2.14	2.70	-0.18
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.19	0.23	-0.02
Kent, WA	PM ₁₀	Maintenance	100	-	0.04	0.05	-0.00
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.10	0.12	-0.01
Kewaunee County, WI	Ozone	Maintenance	100	-	0.03	0.03	-0.00
King County, WA	PM ₁₀	Maintenance	100	-	0.01	0.02	-0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.06	0.07	-0.00
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.06	0.07	-0.00
Knoxville, TN	Ozone	Former Subpart 1	50	-	1.61	2.04	-0.13
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	1.22	1.54	-0.10
La Porte County, IN	SO _x	Maintenance	100	-	0.04	0.05	-0.00
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.00
Lake County, IN	SO _x	Maintenance	100	-	0.33	0.41	-0.03
Lake County, OH	SO _x	Maintenance	100	-	0.04	0.05	-0.00
Lake County, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.05	0.06	-0.00
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.12	0.15	-0.01
Lake Tahoe, NV	CO	Maintenance	100	-	0.02	0.03	-0.00

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Acetaldehyde 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Lamar, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.56	0.70	-0.05
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.56	0.70	-0.05
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.57	0.72	-0.05
LaPorte, IN	Ozone	Maintenance	100	-	0.10	0.13	-0.01
Las Vegas, NV	CO	Serious	100	-	2.19	2.77	-0.18
Las Vegas, NV	Ozone	Former Subpart 1	50	-	2.21	2.80	-0.19
Lauderdale County, AL	SO _x	Maintenance	100	-	0.09	0.12	-0.01
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.01	-0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	-0.00
Lima, OH	Ozone	Maintenance	100	-	0.12	0.15	-0.01
Longmont, CO	CO	Maintenance	100	-	0.13	0.17	-0.01
Lorain County, OH	SO _x	Maintenance	100	-	0.06	0.07	-0.00
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	19.16	24.26	-3.30
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	19.16	24.26	-3.30
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	19.16	24.26	-3.30
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	19.17	24.26	-3.30
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	19.16	24.26	-3.30
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.93	1.18	-0.08
Louisville, KY-IN	Ozone	Maintenance	100	-	1.29	1.63	-0.11
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	1.23	1.55	-0.10
Lowell, MA	CO	Maintenance	100	-	0.15	0.19	-0.01
Lucas County, OH	SO _x	Maintenance	100	-	0.31	0.40	-0.03
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.07	0.08	-0.01
Macon, GA	Ozone	Maintenance	100	-	0.22	0.27	-0.02
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.21	0.27	-0.02
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Madison, WI	SO _x	Maintenance	100	-	0.35	0.44	-0.03
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.02	0.02	-0.00
Manchester, NH	CO	Maintenance	100	-	0.08	0.10	-0.01
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.11	0.14	-0.01

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Marion County, IN	SO _x	Maintenance	100	-	0.34	0.43	-0.03
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.18	0.22	-0.01
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.38	0.48	-0.03
Mason County, MI	Ozone	Maintenance	100	-	0.03	0.04	-0.00
Medford, OR	CO	Maintenance	100	-	0.11	0.14	-0.01
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.27	0.35	-0.02
Memphis, TN-AR	Ozone	Maintenance	100	-	1.08	1.36	-0.09
Memphis, TN	CO	Maintenance	100	-	1.00	1.26	-0.08
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.04	0.05	-0.00
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.01	0.01	-0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.58	0.74	-0.05
Milwaukee-Racine, WI	Ozone	Moderate	50	-	2.18	2.75	-0.18
Minneapolis-St Paul, MN	CO	Maintenance	100	-	3.06	3.89	-1.28
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	3.56	4.49	-0.30
Missoula, MT	CO	Maintenance	100	-	0.08	0.10	-0.01
Missoula, MT	PM ₁₀	Moderate	100	-	0.07	0.09	-0.01
Modesto, CA	CO	Maintenance	100	-	0.46	0.58	-0.04
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.16	0.20	-0.01
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Morristown, NJ	CO	Maintenance	100	-	0.05	0.06	-0.00
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.03	0.04	-0.00
Muncie, IN	Ozone	Maintenance	100	-	0.11	0.14	-0.01
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.01	0.01	-0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.02	0.02	-0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.16	0.20	-0.01
Nashua, NH	CO	Maintenance	100	-	0.06	0.08	-0.01
Nashville, TN	Ozone	Former Subpart 1	50	-	2.13	2.69	-0.18
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.24	0.31	-0.02
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.20	0.25	-0.02
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.88	1.11	-0.07
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.01	0.01	-0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.47	0.60	-0.04
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	9.03	11.41	-0.76
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	17.69	22.34	-1.48
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	17.53	22.14	-1.47
Nogales, AZ	PM ₁₀	Moderate	100	-	0.05	0.07	-0.00

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	1.85	2.33	-0.15
Ogden, UT	CO	Maintenance	100	-	0.08	0.10	-0.01
Ogden, UT	PM ₁₀	Moderate	100	-	0.08	0.10	-0.01
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.02	0.03	-0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.15	0.19	-0.01
Owens Valley, CA	PM ₁₀	Serious	70	-	0.01	0.01	-0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.16	0.20	-0.01
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.16	0.20	-0.01
Payson, AZ	PM ₁₀	Maintenance	100	-	0.03	0.03	-0.00
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.11	0.14	-0.01
Perth Amboy, NJ	CO	Maintenance	100	-	0.12	0.15	-0.01
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.40	0.50	-0.03
Phildelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	5.13	6.49	-0.43
Phildelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	7.63	9.64	-0.64
Phoenix, AZ	CO	Maintenance	100	-	7.82	9.88	-0.65
Phoenix, AZ	PM ₁₀	Serious	70	-	8.02	10.13	-0.67
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	8.04	10.15	-0.67
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.04	0.05	-0.00
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	2.23	2.82	-0.19
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	2.04	2.57	-0.17
Polk County, TN	SO _x	Maintenance	100	-	0.02	0.03	-0.00
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.01	-0.00
Portland, ME	Ozone	Maintenance	100	-	0.67	0.85	-0.06
Portland, OR	CO	Maintenance	100	-	1.34	1.70	-0.14
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.05	0.06	-0.00
Poughkeepsie, NY	Ozone	Moderate	50	-	1.91	2.42	-0.16
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.00
Providence (entire State), RI	Ozone	Moderate	50	-	1.23	1.55	-0.10
Provo, UT	CO	Maintenance	100	-	0.23	0.29	-0.02
Raleigh-Durham, NC	CO	Maintenance	100	-	1.77	2.24	-0.15
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	2.40	3.03	-0.20
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Reading, PA	Ozone	Maintenance	100	-	0.39	0.49	-0.03

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.39	0.49	-0.03
Reno, NV	CO	Maintenance	100	-	0.29	0.37	-0.02
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	1.45	1.84	-0.12
Rillito, AZ	PM ₁₀	Moderate	100	-	0.07	0.09	-0.01
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	1.00	1.27	-0.08
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.29	0.37	-0.02
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.10	0.13	-0.01
Rochester, NY	Ozone	Former Subpart 1	50	-	1.57	1.99	-0.13
Rocky Mount, NC	Ozone	Maintenance	100	-	0.21	0.26	-0.02
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.14	0.17	-0.01
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	2.26	2.85	-0.19
Sacramento Metro, CA	Ozone	Severe	25	-	4.19	5.29	-0.35
Sacramento, CA	CO	Maintenance	100	-	2.54	3.21	-0.21
Salem, OR	CO	Maintenance	100	-	0.15	0.19	-0.01
Salt Lake City, UT	CO	Maintenance	100	-	-0.37	-0.43	-1.05
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.66	0.87	-1.13
Salt Lake County, UT	SO _x	Nonattainment	100	-	1.30	1.64	-0.11
San Antonio, TX	Ozone	Former Subpart 1	50	-	2.40	3.03	-0.20
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.57	0.71	-0.05
San Diego, CA	CO	Maintenance	100	-	6.04	7.63	-0.51
San Diego, CA	Ozone	Former Subpart 1	50	-	6.05	7.64	-0.51
San Francisco Bay Area, CA	Ozone	Marginal	50	-	8.68	10.96	-0.73
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	9.73	12.29	-0.81
San Joaquin Valley, CA	Ozone	Extreme	10	-	6.54	8.27	-0.91
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	6.55	8.29	-0.91
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	6.54	8.27	-0.91
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.05	0.06	-0.00
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.79	0.99	-0.07
Seattle-Tacoma, WA	CO	Maintenance	100	-	3.90	4.93	-0.33
Sheboygan, WI	Ozone	Moderate	50	-	0.15	0.19	-0.01
Sheridan, WY	PM ₁₀	Moderate	100	-	0.02	0.03	-0.00
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00

Table B2-24
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Somerville, NJ	CO	Maintenance	100	-	0.02	0.03	-0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.53	0.67	-0.04
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.14	0.18	-0.01
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.38	0.49	-0.03
Spokane, WA	CO	Maintenance	100	-	0.38	0.48	-0.03
Springfield (western MA), MA	Ozone	Moderate	50	-	1.05	1.33	-0.09
Springfield, MA	CO	Maintenance	100	-	0.18	0.23	-0.02
St Louis, MO	CO	Maintenance	100	-	0.87	1.10	-0.07
St Louis, MO-IL	Ozone	Moderate	50	-	3.27	4.13	-0.27
St. Louis, MO-IL	PM _{2,5}	Nonattainment	100	-	3.25	4.10	-0.27
State College, PA	Ozone	Maintenance	100	-	0.22	0.28	-0.02
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.03	0.04	-0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.04	0.05	-0.00
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.10	0.12	-0.01
Steubenville-Weirton, OH-WV	PM _{2,5}	Nonattainment	100	-	0.10	0.12	-0.01
Stockton, CA	CO	Maintenance	100	-	0.72	0.90	-0.06
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.57	0.72	-0.05
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.13	0.16	-0.01
Tioga County, PA	Ozone	Maintenance	100	-	0.06	0.07	-0.00
Toledo, OH	Ozone	Maintenance	100	-	0.60	0.76	-0.05
Toms River, NJ	CO	Maintenance	100	-	0.14	0.18	-0.01
Tooele County, UT	SO _x	Nonattainment	100	-	0.13	0.16	-0.01
Trenton, NJ	CO	Maintenance	100	-	0.11	0.14	-0.01
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.01	-0.00
Tucson, AZ	CO	Maintenance	100	-	1.34	1.69	-0.11
Utah County, UT	PM ₁₀	Moderate	100	-	0.65	0.82	-0.05
Vancouver, WA	CO	Maintenance	100	-	0.45	0.56	-0.04
Ventura County, CA	Ozone	Serious	50	-	1.22	1.54	-0.13
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.13	0.16	-0.01
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.07	0.08	-0.01
Warren County, NJ	SO _x	Maintenance	100	-	0.04	0.06	-0.00
Warren County, PA	SO _x	Nonattainment	100	-	0.01	0.02	-0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.25	0.31	-0.02
Washington, DC-MD-VA	CO	Maintenance	100	-	1.99	2.52	-0.17

Table B2-24
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	7.14	9.02	-0.60
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	6.98	8.81	-0.58
Washoe County, NV	PM ₁₀	Serious	70	-	0.29	0.37	-0.02
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.01	-0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.07	0.09	-0.01
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.15	0.19	-0.01
Weirton, WV	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.00
Weirton, WV	SO _x	Maintenance	100	-	0.01	0.01	-0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.15	0.18	-0.01
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.15	0.18	-0.01
Winston-Salem, NC	CO	Maintenance	100	-	0.50	0.63	-0.04
Worcester, MA	CO	Maintenance	100	-	0.30	0.38	-0.02
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.11	0.15	-0.01
Yakima, WA	CO	Maintenance	100	-	0.06	0.07	-0.00
York, PA	Ozone	Maintenance	100	-	0.57	0.71	-0.05
York, PA	PM _{2.5}	Nonattainment	100	-	0.44	0.55	-0.04
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.65	0.82	-0.05
Yuma, AZ	PM ₁₀	Moderate	100	-	0.26	0.33	-0.02

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

Table B2-25
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Acrolein 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.00	0.01	0.04
Albuquerque, NM	CO	Maintenance	100	-	0.00	0.00	0.02
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Anchorage, AK	CO	Maintenance	100	-	0.00	0.00	0.00
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	0.02	0.04	0.20
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.02	0.04	0.20
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Bakersfield, CA	CO	Maintenance	100	-	-0.00	0.00	0.01
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.00
Baltimore, MD	Ozone	Moderate	50	-	0.01	0.02	0.09
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.09
Baton Rouge, LA	Ozone	Moderate	50	-	-0.00	-0.00	0.01
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.06	-0.08	-0.16
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.00	0.00
Billings, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Birmingham, AL	Ozone	Maintenance	100	-	0.00	0.01	0.03
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.03
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.00	0.00	0.01
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Boston, MA	CO	Maintenance	100	-	0.00	0.01	0.03
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.02	0.03	0.16
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.00	0.00	0.02
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.00

Table B2-25
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Acrolein 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.00	0.01	0.04
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.00	0.00	0.01
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.00	0.00	0.01
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Charlotte, NC	CO	Maintenance	100	-	0.00	0.00	0.02
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.00	0.01	0.05
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.02
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.02
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.02	0.04	0.21
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.02	0.04	0.22
Chico, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Chico, CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.01	0.01	0.06
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.06
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.00	0.01	0.04
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.00	0.00	0.01
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Cleveland, OH	CO	Maintenance	100	-	0.00	0.01	0.03
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.01	0.02	0.08
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.07
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.02
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Colorado Springs, CO	CO	Maintenance	100	-	0.00	0.00	0.02
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.00	0.00	0.02
Columbus, OH	Ozone	Maintenance	100	-	0.01	0.01	0.05

Table B2-25
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Acrolein 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.05
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.00	0.01	0.03
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.02
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.02	0.04	0.21
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.00	0.01	0.03
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.02
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.01	0.02	0.09
Denver-Boulder, CO	CO	Maintenance	100	-	0.01	0.02	0.09
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.01	0.02	0.11
Detroit, MI	CO	Maintenance	100	-	0.00	0.01	0.05
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.01	0.03	0.14
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.14
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Duluth, MN	CO	Maintenance	100	-	0.00	0.00	0.00
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.00
Erie, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.00	0.00	0.01
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Evansville, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	0.00	0.00	0.02
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.00	0.00	0.01

Table B2-25
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Acrolein 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Franklin County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Fredericksburg, VA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Fresno, CA	CO	Maintenance	100	-	0.00	0.00	0.02
Grand Rapids, MI	Ozone	Maintenance	100	-	0.00	0.00	0.02
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	0.01	0.01	0.05
Greeley, CO	CO	Maintenance	100	-	0.00	0.00	0.00
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.00	0.01	0.05
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.02
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.00	0.01	0.03
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.00	0.00
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.00	0.01	0.03
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.02
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.00	0.01	0.03
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.07	-0.09	-0.07
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01

Table B2-25
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Acrolein 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
		t					
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.00	0.00	0.01
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Imperial County, CA	Ozone	Moderate	50	-	0.00	0.00	0.01
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.01
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.01	0.01	0.06
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.05
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.00	0.00
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.00	0.00	0.02
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.01	0.01	0.05
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.00	0.00
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.00
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.00	0.01	0.04
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.03
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.00
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.00

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Acrolein 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Las Vegas, NV	CO	Serious	100	-	0.00	0.01	0.04
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.00	0.01	0.04
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Lima, OH	Ozone	Maintenance	100	-	0.00	0.00	0.00
Longmont, CO	CO	Maintenance	100	-	0.00	0.00	0.00
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.04	0.08	0.44
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	0.04	0.08	0.44
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.04	0.08	0.44
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.04	0.08	0.44
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.04	0.08	0.44
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.00	0.00	0.02
Louisville, KY-IN	Ozone	Maintenance	100	-	0.00	0.01	0.03
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.03
Lowell, MA	CO	Maintenance	100	-	0.00	0.00	0.00
Lucas County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Macon, GA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.00	0.00	0.01
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Manchester, NH	CO	Maintenance	100	-	0.00	0.00	0.00
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00

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Acrolein 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Marion County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Medford, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Memphis, TN-AR	Ozone	Maintenance	100	-	0.00	0.01	0.03
Memphis, TN	CO	Maintenance	100	-	0.00	0.01	0.03
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.00	0.00	0.02
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.01	0.01	0.05
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.00	0.01	0.08
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.01	0.02	0.08
Missoula, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Modesto, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	0.00
Nashville, TN	Ozone	Former Subpart 1	50	-	0.00	0.01	0.05
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.00	0.00	0.02
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.02	0.05	0.24
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.05	0.09	0.45
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.05	0.09	0.45
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00

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Acrolein 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.00	0.01	0.05
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	0.00
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Phildelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.14
Phildelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.02	0.04	0.20
Phoenix, AZ	CO	Maintenance	100	-	0.01	0.03	0.13
Phoenix, AZ	PM ₁₀	Serious	70	-	0.01	0.03	0.14
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.01	0.03	0.14
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.00
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.06
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.06
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.00	0.00	0.02
Portland, OR	CO	Maintenance	100	-	0.00	0.01	0.04
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Poughkeepsie, NY	Ozone	Moderate	50	-	0.00	0.01	0.04
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.00	0.01	0.03
Provo, UT	CO	Maintenance	100	-	0.00	0.00	0.00
Raleigh-Durham, NC	CO	Maintenance	100	-	0.00	0.01	0.04
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.01	0.01	0.05
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Reno, NV	CO	Maintenance	100	-	0.00	0.00	0.01
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.00	0.01	0.04
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.00	0.00	0.02
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Rochester, NY	Ozone	Former Subpart 1	50	-	0.00	0.01	0.04
Rocky Mount, NC	Ozone	Maintenance	100	-	0.00	0.00	0.01
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.00	0.01	0.04
Sacramento Metro, CA	Ozone	Severe	25	-	0.01	0.02	0.08
Sacramento, CA	CO	Maintenance	100	-	0.00	0.01	0.05
Salem, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Salt Lake City, UT	CO	Maintenance	100	-	-0.00	-0.00	-0.01
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-0.00	-0.00	0.02
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.00	0.01	0.03
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.01	0.01	0.06
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
San Diego, CA	CO	Maintenance	100	-	0.01	0.02	0.12
San Diego, CA	Ozone	Former Subpart 1	50	-	0.01	0.02	0.12
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.02	0.04	0.19
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.02	0.04	0.22
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.01	0.02	0.13
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.01	0.02	0.13
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.13
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.01	0.02	0.09
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.00	0.00
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Spokane, WA	CO	Maintenance	100	-	0.00	0.00	0.01
Springfield (western MA), MA	Ozone	Moderate	50	-	0.00	0.01	0.03
Springfield, MA	CO	Maintenance	100	-	0.00	0.00	0.00
St Louis, MO	CO	Maintenance	100	-	0.00	0.01	0.03
St Louis, MO-IL	Ozone	Moderate	50	-	0.01	0.02	0.09
St. Louis, MO-IL	PM _{2,5}	Nonattainment	100	-	0.01	0.02	0.09
State College, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.00	0.00
Steubenville-Weirton, OH-WV	PM _{2,5}	Nonattainment	100	-	0.00	0.00	0.00
Stockton, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.00	0.00	0.02
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Toledo, OH	Ozone	Maintenance	100	-	0.00	0.00	0.02
Toms River, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Trenton, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.00	0.01	0.03
Utah County, UT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Vancouver, WA	CO	Maintenance	100	-	0.00	0.00	0.01
Ventura County, CA	Ozone	Serious	50	-	0.00	0.00	0.02
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	0.00
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Washington, DC-MD-VA	CO	Maintenance	100	-	0.00	0.01	0.05

Table B2-25
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Acrolein 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.02	0.03	0.16
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.16
Washoe County, NV	PM ₁₀	Serious	70	-	0.00	0.00	0.01
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Winston-Salem, NC	CO	Maintenance	100	-	0.00	0.00	0.01
Worcester, MA	CO	Maintenance	100	-	0.00	0.00	0.01
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	0.00
York, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
York, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01

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

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

c/ Emissions thresholds in tons/year of: VOC or NO_x in ozone NAAs; primary PM_{2.5} in PM_{2.5} NAAs. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the proposed actions. Source: EPA, 2008.

Table B2-26
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Acrolein 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.01	0.03	0.11
Albuquerque, NM	CO	Maintenance	100	-	0.01	0.02	0.05
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.01	0.02	0.05
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Anchorage, AK	CO	Maintenance	100	-	0.00	0.00	0.01
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	0.06	0.18	0.57
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.06	0.18	0.57
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Bakersfield, CA	CO	Maintenance	100	-	0.00	0.01	0.03
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.00
Baltimore, MD	Ozone	Moderate	50	-	0.03	0.08	0.25
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.03	0.08	0.25
Baton Rouge, LA	Ozone	Moderate	50	-	-0.01	0.00	0.03
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.15	-0.22	-0.36
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.00	0.00	0.02
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.00	0.01
Billings, MT	CO	Maintenance	100	-	0.00	0.00	0.01
Birmingham, AL	Ozone	Maintenance	100	-	0.01	0.03	0.09
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.09
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.00	0.01	0.03
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.00	0.01	0.03
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Boston, MA	CO	Maintenance	100	-	0.01	0.02	0.07
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.05	0.14	0.43
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.01	0.02	0.06
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.00

Table B2-26
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Acrolein 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.01	0.03	0.10
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.00	0.01	0.02
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.02
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.00	0.01	0.02
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.02
Charlotte, NC	CO	Maintenance	100	-	0.01	0.02	0.06
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.01	0.04	0.14
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.05
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.04
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.06	0.19	0.60
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.07	0.20	0.62
Chico, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Chico, CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.02
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.02	0.05	0.17
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.02	0.05	0.16
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.01	0.04	0.13
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.00	0.01	0.02
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Cleveland, OH	CO	Maintenance	100	-	0.01	0.03	0.08
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.02	0.07	0.22
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.02	0.06	0.20
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.01	0.02	0.05
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Colorado Springs, CO	CO	Maintenance	100	-	0.01	0.02	0.05
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.01	0.02	0.06
Columbus, OH	Ozone	Maintenance	100	-	0.02	0.05	0.14

Table B2-26
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Acrolein 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.04	0.13
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.01	0.03	0.08
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.01	0.02	0.06
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.06	0.19	0.59
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.01	0.02	0.07
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.06
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.03	0.08	0.25
Denver-Boulder, CO	CO	Maintenance	100	-	0.03	0.08	0.24
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.03	0.10	0.30
Detroit, MI	CO	Maintenance	100	-	0.01	0.04	0.13
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.04	0.13	0.39
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.04	0.12	0.38
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Duluth, MN	CO	Maintenance	100	-	0.00	0.00	0.01
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.00	0.01	0.04
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.00
Erie, PA	Ozone	Maintenance	100	-	0.00	0.01	0.02
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.00	0.01	0.02
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Evansville, IN	Ozone	Maintenance	100	-	0.00	0.01	0.02
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.03
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.00	0.01	0.02
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	0.00	0.01	0.04
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.00	0.00	0.01

Table B2-26
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Acrolein 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.00	0.01	0.03
Franklin County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Fredericksburg, VA	Ozone	Maintenance	100	-	0.00	0.01	0.04
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Fresno, CA	CO	Maintenance	100	-	0.01	0.02	0.05
Grand Rapids, MI	Ozone	Maintenance	100	-	0.01	0.02	0.07
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	0.01	0.04	0.14
Greeley, CO	CO	Maintenance	100	-	0.00	0.00	0.01
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.00	0.01
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.01	0.04	0.14
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.07
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.01	0.02	0.08
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.00	0.01
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.01	0.02	0.07
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.07
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.01	0.03	0.09
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.02
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.00	0.01	0.02
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.16	-0.16	-0.06
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.03

Table B2-26
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Acrolein 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
		t					
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.00	0.00	0.01
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Imperial County, CA	Ozone	Moderate	50	-	0.00	0.01	0.02
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.00	0.01	0.02
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.02	0.05	0.17
Indianapolis, IN	PM _{2,5}	Nonattainment	100	-	0.01	0.04	0.13
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.00	0.01
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.00	0.01	0.02
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Johnstown, PA	PM _{2,5}	Nonattainment	100	-	0.00	0.00	0.01
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.00	0.01	0.04
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.02	0.05	0.14
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.00	0.01
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.00
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.01	0.03	0.10
Knoxville, TN	PM _{2,5}	Nonattainment	100	-	0.01	0.03	0.08
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.00
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.03
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.00

Table B2-26
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Acrolein 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.00	0.01	0.04
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.04
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.00	0.01	0.04
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Las Vegas, NV	CO	Serious	100	-	0.01	0.04	0.13
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.01	0.04	0.13
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Lima, OH	Ozone	Maintenance	100	-	0.00	0.00	0.01
Longmont, CO	CO	Maintenance	100	-	0.00	0.00	0.01
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.12	0.39	1.25
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	0.12	0.39	1.25
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.12	0.39	1.25
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.12	0.39	1.25
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.12	0.39	1.25
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.01	0.02	0.06
Louisville, KY-IN	Ozone	Maintenance	100	-	0.01	0.03	0.10
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.09
Lowell, MA	CO	Maintenance	100	-	0.00	0.00	0.01
Lucas County, OH	SO _x	Maintenance	100	-	0.00	0.01	0.03
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Macon, GA	Ozone	Maintenance	100	-	0.00	0.01	0.02
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.02
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.00	0.01	0.02
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Manchester, NH	CO	Maintenance	100	-	0.00	0.00	0.01
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01

Table B2-26
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Acrolein 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Marion County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.03
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.03
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Medford, OR	CO	Maintenance	100	-	0.00	0.00	0.01
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Memphis, TN-AR	Ozone	Maintenance	100	-	0.01	0.03	0.08
Memphis, TN	CO	Maintenance	100	-	0.01	0.02	0.08
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.00	0.01	0.04
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.02	0.05	0.15
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.02	0.06	0.22
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.03	0.08	0.24
Missoula, MT	CO	Maintenance	100	-	0.00	0.00	0.01
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Modesto, CA	CO	Maintenance	100	-	0.00	0.01	0.03
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	0.01
Nashville, TN	Ozone	Former Subpart 1	50	-	0.01	0.04	0.14
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.01	0.02	0.07
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.00	0.01	0.04
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.07	0.21	0.66
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.13	0.40	1.26
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.13	0.40	1.25
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00

Table B2-26
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Acrolein 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.01	0.04	0.13
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	0.01
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	0.01
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.00	0.01	0.03
Phildelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.04	0.12	0.38
Phildelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.06	0.18	0.55
Phoenix, AZ	CO	Maintenance	100	-	0.04	0.13	0.40
Phoenix, AZ	PM ₁₀	Serious	70	-	0.04	0.13	0.41
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.04	0.13	0.41
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.00
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.02	0.05	0.17
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.05	0.15
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.01	0.02	0.05
Portland, OR	CO	Maintenance	100	-	0.01	0.03	0.10
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Poughkeepsie, NY	Ozone	Moderate	50	-	0.01	0.04	0.12
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.01	0.03	0.08
Provo, UT	CO	Maintenance	100	-	0.00	0.00	0.01
Raleigh-Durham, NC	CO	Maintenance	100	-	0.01	0.04	0.11
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.02	0.05	0.15
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.00	0.01	0.03

Table B2-26
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Acrolein 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.03
Reno, NV	CO	Maintenance	100	-	0.00	0.01	0.02
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.01	0.03	0.10
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.01	0.02	0.05
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.02
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Rochester, NY	Ozone	Former Subpart 1	50	-	0.01	0.04	0.11
Rocky Mount, NC	Ozone	Maintenance	100	-	0.00	0.01	0.02
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.01	0.04	0.13
Sacramento Metro, CA	Ozone	Severe	25	-	0.02	0.07	0.23
Sacramento, CA	CO	Maintenance	100	-	0.02	0.05	0.14
Salem, OR	CO	Maintenance	100	-	0.00	0.00	0.01
Salt Lake City, UT	CO	Maintenance	100	-	-0.01	-0.01	-0.01
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-0.00	0.01	0.06
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.01	0.03	0.09
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.02	0.05	0.16
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.00	0.01	0.04
San Diego, CA	CO	Maintenance	100	-	0.04	0.11	0.35
San Diego, CA	Ozone	Former Subpart 1	50	-	0.04	0.11	0.35
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.06	0.17	0.54
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.07	0.20	0.61
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.04	0.12	0.38
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.04	0.12	0.38
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.04	0.12	0.38
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.01	0.02	0.06
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.03	0.08	0.25
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.00	0.01
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00

Table B2-26
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Acrolein 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.00	0.01	0.04
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.03
Spokane, WA	CO	Maintenance	100	-	0.00	0.01	0.02
Springfield (western MA), MA	Ozone	Moderate	50	-	0.01	0.02	0.08
Springfield, MA	CO	Maintenance	100	-	0.00	0.00	0.01
St Louis, MO	CO	Maintenance	100	-	0.01	0.02	0.08
St Louis, MO-IL	Ozone	Moderate	50	-	0.03	0.08	0.25
St. Louis, MO-IL	PM _{2,5}	Nonattainment	100	-	0.03	0.08	0.25
State College, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.00	0.01
Steubenville-Weirton, OH-WV	PM _{2,5}	Nonattainment	100	-	0.00	0.00	0.01
Stockton, CA	CO	Maintenance	100	-	0.00	0.01	0.04
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.00	0.01	0.04
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Toledo, OH	Ozone	Maintenance	100	-	0.00	0.01	0.05
Toms River, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.00	0.01
Trenton, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.01	0.03	0.08
Utah County, UT	PM ₁₀	Moderate	100	-	0.00	0.01	0.04
Vancouver, WA	CO	Maintenance	100	-	0.00	0.01	0.03
Ventura County, CA	Ozone	Serious	50	-	0.01	0.02	0.07
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	0.00
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.00	0.01	0.02
Washington, DC-MD-VA	CO	Maintenance	100	-	0.01	0.04	0.13

Table B2-26
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Acrolein 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.05	0.15	0.46
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.05	0.14	0.45
Washoe County, NV	PM ₁₀	Serious	70	-	0.00	0.01	0.02
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	0.01
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Winston-Salem, NC	CO	Maintenance	100	-	0.00	0.01	0.03
Worcester, MA	CO	Maintenance	100	-	0.00	0.01	0.02
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	0.00
York, PA	Ozone	Maintenance	100	-	0.00	0.01	0.04
York, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.03
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.01	0.02	0.05
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.02

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

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

c/ Emissions thresholds in tons/year of: VOC or NO_x in ozone NAAs; primary PM_{2.5} in PM_{2.5} NAAs. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the proposed actions. Source: EPA, 2008.

Table B2-27
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Acrolein 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.05	0.20	0.33
Albuquerque, NM	CO	Maintenance	100	-	0.02	0.09	0.15
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.01	0.02	0.04
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.02	0.09	0.15
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.01	0.02
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.03	0.05
Anchorage, AK	CO	Maintenance	100	-	0.01	0.02	0.04
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	0.29	1.08	1.81
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.29	1.08	1.81
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.01	0.01
Bakersfield, CA	CO	Maintenance	100	-	0.01	0.05	0.09
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.00
Baltimore, MD	Ozone	Moderate	50	-	0.13	0.47	0.79
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.13	0.47	0.79
Baton Rouge, LA	Ozone	Moderate	50	-	-0.01	0.05	0.10
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.50	-0.68	-0.99
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.01	0.03	0.04
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.01	0.02	0.04
Billings, MT	CO	Maintenance	100	-	0.00	0.01	0.02
Birmingham, AL	Ozone	Maintenance	100	-	0.04	0.15	0.25
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.04	0.15	0.25
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.01	0.05	0.09
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.01	0.05	0.09
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Boston, MA	CO	Maintenance	100	-	0.03	0.13	0.22
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.21	0.79	1.32
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.03	0.10	0.17
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.00

Table B2-27
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Acrolein 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.05	0.17	0.29
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.01	0.04	0.07
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.04	0.07
Case County, MI	Ozone	Maintenance	100	-	0.00	0.01	0.01
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.01	0.04	0.07
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.01	0.04	0.07
Charlotte, NC	CO	Maintenance	100	-	0.03	0.12	0.20
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.07	0.26	0.44
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.02	0.08	0.14
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.02	0.07	0.13
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.30	1.11	1.86
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.31	1.15	1.92
Chico, CA	CO	Maintenance	100	-	0.01	0.02	0.03
Chico, CA	Ozone	Former Subpart 1	50	-	0.01	0.04	0.07
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.08	0.30	0.51
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.08	0.29	0.49
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.07	0.26	0.43
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.01	0.04	0.07
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.01	0.03	0.04
Cleveland, OH	CO	Maintenance	100	-	0.04	0.13	0.22
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.10	0.38	0.64
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.09	0.35	0.59
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.03	0.11	0.19
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.01	0.01
Colorado Springs, CO	CO	Maintenance	100	-	0.03	0.10	0.16
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.03	0.10	0.17
Columbus, OH	Ozone	Maintenance	100	-	0.07	0.27	0.46

Table B2-27
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Acrolein 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.07	0.25	0.42
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.04	0.13	0.22
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.03	0.11	0.18
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.31	1.15	1.93
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.03	0.12	0.20
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.03	0.11	0.18
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.13	0.49	0.82
Denver-Boulder, CO	CO	Maintenance	100	-	0.13	0.47	0.78
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.16	0.59	0.98
Detroit, MI	CO	Maintenance	100	-	0.06	0.22	0.37
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.19	0.71	1.18
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.19	0.69	1.16
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.01	0.01
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Duluth, MN	CO	Maintenance	100	-	0.00	0.01	0.02
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.01	0.03	0.05
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.02	0.08	0.13
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.01
Erie, PA	Ozone	Maintenance	100	-	0.01	0.03	0.06
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.01	0.04	0.06
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.01	0.03	0.06
Evansville, IN	Ozone	Maintenance	100	-	0.01	0.04	0.06
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.01	0.05	0.08
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.01	0.05	0.08
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	0.02	0.08	0.13
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.01	0.03	0.05

Table B2-27
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Acrolein 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.02	0.06	0.09
Franklin County, PA	Ozone	Maintenance	100	-	0.01	0.02	0.04
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.01	0.02	0.03
Fredericksburg, VA	Ozone	Maintenance	100	-	0.02	0.07	0.12
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Fresno, CA	CO	Maintenance	100	-	0.03	0.10	0.16
Grand Rapids, MI	Ozone	Maintenance	100	-	0.03	0.13	0.22
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	0.01
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.01
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	0.07	0.24	0.41
Greeley, CO	CO	Maintenance	100	-	0.01	0.02	0.03
Green Bay, WI	SO _x	Maintenance	100	-	0.01	0.02	0.03
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.01	0.01
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.01	0.01
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.07	0.24	0.41
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.03	0.12	0.20
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.04	0.13	0.22
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.02	0.03
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.04	0.14	0.23
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.13	0.21
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.04	0.16	0.26
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.01	0.01
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.04
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.01	0.04	0.07
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.46	-0.12	0.01
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.04	0.07

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Acrolein 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
		t					
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.01	0.02	0.04
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Imperial County, CA	Ozone	Moderate	50	-	0.01	0.04	0.06
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.01	0.04	0.06
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.09	0.32	0.53
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.07	0.25	0.42
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.01	0.02
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.01	0.02	0.04
Jefferson County, NY	Ozone	Moderate	50	-	0.01	0.02	0.03
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.01	0.03	0.05
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.01	0.02
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.02
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.02	0.08	0.13
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.07	0.26	0.44
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.01	0.02	0.04
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.02
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.01
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.01	0.01
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.01
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.05	0.19	0.33
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.04	0.15	0.25
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.01
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake County, IN	SO _x	Maintenance	100	-	0.01	0.04	0.07
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.01	0.01
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.01	0.01
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.01	0.02
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.01

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Acrolein 2040

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.02	0.07	0.12
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.07	0.12
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.02	0.07	0.12
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.01	0.02
Las Vegas, NV	CO	Serious	100	-	0.07	0.26	0.43
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.07	0.26	0.43
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.01	0.02
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Lima, OH	Ozone	Maintenance	100	-	0.00	0.02	0.03
Longmont, CO	CO	Maintenance	100	-	0.00	0.02	0.03
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.01	0.01
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.60	2.38	3.99
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	0.60	2.38	3.99
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.60	2.38	3.99
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.60	2.38	3.99
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.60	2.38	3.99
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.03	0.11	0.19
Louisville, KY-IN	Ozone	Maintenance	100	-	0.05	0.17	0.28
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.04	0.16	0.27
Lowell, MA	CO	Maintenance	100	-	0.00	0.02	0.03
Lucas County, OH	SO _x	Maintenance	100	-	0.01	0.04	0.07
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	0.01
Macon, GA	Ozone	Maintenance	100	-	0.01	0.03	0.05
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.05
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.01	0.04	0.07
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Manchester, NH	CO	Maintenance	100	-	0.00	0.01	0.02
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.01	0.02

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Marion County, IN	SO _x	Maintenance	100	-	0.01	0.05	0.08
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.02	0.03
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.01	0.05	0.08
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Medford, OR	CO	Maintenance	100	-	0.00	0.01	0.02
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.01	0.03	0.05
Memphis, TN-AR	Ozone	Maintenance	100	-	0.04	0.14	0.24
Memphis, TN	CO	Maintenance	100	-	0.04	0.13	0.22
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.02	0.08	0.13
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.07	0.27	0.46
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.09	0.40	0.69
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.12	0.44	0.74
Missoula, MT	CO	Maintenance	100	-	0.00	0.01	0.02
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Modesto, CA	CO	Maintenance	100	-	0.01	0.05	0.09
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.02	0.03
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.01	0.01
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.01
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.02	0.03
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.01	0.02	0.03
Nashua, NH	CO	Maintenance	100	-	0.00	0.01	0.01
Nashville, TN	Ozone	Former Subpart 1	50	-	0.07	0.26	0.44
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.01	0.03	0.04
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.01	0.02	0.04
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.03	0.12	0.19
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.02	0.06	0.11
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.32	1.17	1.96
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.61	2.26	3.78
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.60	2.24	3.75
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.01

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.06	0.24	0.40
Ogden, UT	CO	Maintenance	100	-	0.00	0.01	0.02
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.02	0.03
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.01	0.02	0.04
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.04
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.01	0.02
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.01	0.02
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.01	0.05	0.09
Phildelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.18	0.67	1.11
Phildelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.26	0.98	1.65
Phoenix, AZ	CO	Maintenance	100	-	0.23	0.87	1.45
Phoenix, AZ	PM ₁₀	Serious	70	-	0.24	0.89	1.49
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.24	0.89	1.50
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.01
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.08	0.29	0.49
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.07	0.27	0.45
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.02	0.09	0.14
Portland, OR	CO	Maintenance	100	-	0.05	0.17	0.29
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.01	0.01
Poughkeepsie, NY	Ozone	Moderate	50	-	0.06	0.23	0.38
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.04	0.15	0.26
Provo, UT	CO	Maintenance	100	-	0.01	0.03	0.05
Raleigh-Durham, NC	CO	Maintenance	100	-	0.06	0.21	0.36
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.08	0.29	0.49
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.01	0.05	0.08

Table B2-27
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Acrolein 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.05	0.08
Reno, NV	CO	Maintenance	100	-	0.01	0.04	0.06
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.05	0.19	0.31
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.03	0.11	0.19
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.01	0.04	0.06
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.01	0.02
Rochester, NY	Ozone	Former Subpart 1	50	-	0.05	0.20	0.34
Rocky Mount, NC	Ozone	Maintenance	100	-	0.01	0.03	0.05
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.02	0.03
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.07	0.26	0.44
Sacramento Metro, CA	Ozone	Severe	25	-	0.13	0.48	0.80
Sacramento, CA	CO	Maintenance	100	-	0.08	0.29	0.49
Salem, OR	CO	Maintenance	100	-	0.01	0.02	0.03
Salt Lake City, UT	CO	Maintenance	100	-	-0.03	-0.02	-0.02
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.01	0.11	0.19
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.04	0.16	0.27
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.08	0.30	0.49
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.02	0.07	0.12
San Diego, CA	CO	Maintenance	100	-	0.19	0.71	1.18
San Diego, CA	Ozone	Former Subpart 1	50	-	0.19	0.71	1.19
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.28	1.05	1.75
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.32	1.18	1.97
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.20	0.77	1.28
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.20	0.77	1.29
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.20	0.77	1.28
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.01	0.01
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.03	0.10	0.17
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.13	0.48	0.80
Sheboygan, WI	Ozone	Moderate	50	-	0.01	0.02	0.03
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00

Table B2-27
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Acrolein 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.02	0.07	0.11
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.01	0.02	0.04
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.01	0.05	0.08
Spokane, WA	CO	Maintenance	100	-	0.01	0.05	0.08
Springfield (western MA), MA	Ozone	Moderate	50	-	0.04	0.13	0.23
Springfield, MA	CO	Maintenance	100	-	0.01	0.02	0.04
St Louis, MO	CO	Maintenance	100	-	0.03	0.12	0.21
St Louis, MO-IL	Ozone	Moderate	50	-	0.12	0.43	0.72
St. Louis, MO-IL	PM _{2,5}	Nonattainment	100	-	0.12	0.43	0.72
State College, PA	Ozone	Maintenance	100	-	0.01	0.03	0.05
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.01	0.01
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.01	0.02
Steubenville-Weirton, OH-WV	PM _{2,5}	Nonattainment	100	-	0.00	0.01	0.02
Stockton, CA	CO	Maintenance	100	-	0.02	0.08	0.14
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.02	0.08	0.13
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.02	0.03
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.01	0.01
Toledo, OH	Ozone	Maintenance	100	-	0.02	0.08	0.13
Toms River, NJ	CO	Maintenance	100	-	0.00	0.02	0.03
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.02	0.03
Trenton, NJ	CO	Maintenance	100	-	0.00	0.01	0.02
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.04	0.16	0.27
Utah County, UT	PM ₁₀	Moderate	100	-	0.02	0.08	0.13
Vancouver, WA	CO	Maintenance	100	-	0.01	0.05	0.09
Ventura County, CA	Ozone	Serious	50	-	0.04	0.14	0.24
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.02	0.03
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.01	0.01
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.01	0.01
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.01	0.03	0.05
Washington, DC-MD-VA	CO	Maintenance	100	-	0.07	0.24	0.41

Table B2-27
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Acrolein 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.23	0.87	1.46
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.23	0.85	1.42
Washoe County, NV	PM ₁₀	Serious	70	-	0.01	0.04	0.06
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.02
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.01	0.02	0.03
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.03
Winston-Salem, NC	CO	Maintenance	100	-	0.02	0.06	0.11
Worcester, MA	CO	Maintenance	100	-	0.01	0.04	0.06
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Yakima, WA	CO	Maintenance	100	-	0.00	0.01	0.01
York, PA	Ozone	Maintenance	100	-	0.02	0.07	0.12
York, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.05	0.09
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.02	0.09	0.15
Yuma, AZ	PM ₁₀	Moderate	100	-	0.01	0.03	0.05

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

Table B2-28
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Acrolein 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.10	0.31	0.49
Albuquerque, NM	CO	Maintenance	100	-	0.04	0.14	0.22
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.01	0.04	0.06
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.04	0.14	0.23
Altoona, PA	Ozone	Maintenance	100	-	0.01	0.02	0.03
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.02	0.06	0.09
Anchorage, AK	CO	Maintenance	100	-	0.01	0.04	0.06
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	0.55	1.74	2.80
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.55	1.74	2.80
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.01	0.02
Bakersfield, CA	CO	Maintenance	100	-	0.01	0.09	0.15
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.00
Baltimore, MD	Ozone	Moderate	50	-	0.24	0.75	1.21
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.24	0.75	1.21
Baton Rouge, LA	Ozone	Moderate	50	-	-0.02	0.08	0.15
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-1.02	-1.18	-1.54
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.01	0.04	0.06
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.01	0.01
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.01	0.04	0.06
Billings, MT	CO	Maintenance	100	-	0.01	0.02	0.03
Birmingham, AL	Ozone	Maintenance	100	-	0.07	0.23	0.36
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.07	0.23	0.36
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.03	0.08	0.13
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.03	0.08	0.13
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Boston, MA	CO	Maintenance	100	-	0.06	0.20	0.32
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.39	1.22	1.97
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.05	0.16	0.26
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.00

Table B2-28
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Acrolein 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.08	0.26	0.42
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	0.01
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.02	0.06	0.10
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.02	0.06	0.10
Case County, MI	Ozone	Maintenance	100	-	0.00	0.01	0.02
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.02	0.06	0.09
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.02	0.06	0.09
Charlotte, NC	CO	Maintenance	100	-	0.06	0.19	0.31
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.13	0.42	0.68
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.04	0.12	0.20
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.04	0.11	0.18
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.55	1.75	2.81
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.57	1.81	2.91
Chico, CA	CO	Maintenance	100	-	0.01	0.04	0.06
Chico, CA	Ozone	Former Subpart 1	50	-	0.02	0.08	0.12
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.15	0.47	0.76
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.14	0.45	0.73
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.14	0.43	0.69
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.02	0.07	0.11
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.01	0.04	0.07
Cleveland, OH	CO	Maintenance	100	-	0.06	0.18	0.29
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.18	0.57	0.92
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.17	0.52	0.84
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.06	0.20	0.32
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.01	0.02
Colorado Springs, CO	CO	Maintenance	100	-	0.05	0.16	0.26
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.05	0.16	0.25
Columbus, OH	Ozone	Maintenance	100	-	0.14	0.44	0.71

Table B2-28
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Acrolein 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.13	0.41	0.66
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.06	0.18	0.29
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.05	0.16	0.25
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.60	1.89	3.05
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.06	0.18	0.29
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.05	0.16	0.25
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.25	0.79	1.28
Denver-Boulder, CO	CO	Maintenance	100	-	0.24	0.76	1.22
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.30	0.96	1.54
Detroit, MI	CO	Maintenance	100	-	0.09	0.29	0.46
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.34	1.09	1.75
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.34	1.07	1.71
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.01	0.02
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.01	0.01
Duluth, MN	CO	Maintenance	100	-	0.01	0.02	0.03
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.01	0.04	0.07
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.04	0.12	0.19
El Paso, TX	CO	Maintenance	100	-	0.00	0.01	0.01
Erie, PA	Ozone	Maintenance	100	-	0.02	0.05	0.08
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.02	0.06	0.09
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.02	0.06	0.09
Evansville, IN	Ozone	Maintenance	100	-	0.02	0.06	0.09
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.02	0.07	0.12
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.01
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.02	0.07	0.11
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	0.04	0.12	0.19
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.02	0.05	0.08

Table B2-28
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Acrolein 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.03	0.09	0.14
Franklin County, PA	Ozone	Maintenance	100	-	0.01	0.04	0.06
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.01	0.03	0.05
Fredericksburg, VA	Ozone	Maintenance	100	-	0.04	0.12	0.19
Freehold, NJ	CO	Maintenance	100	-	0.00	0.01	0.01
Fresno, CA	CO	Maintenance	100	-	0.05	0.16	0.25
Grand Rapids, MI	Ozone	Maintenance	100	-	0.07	0.21	0.33
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	0.01
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.01
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.01
Greater Connecticut, CT	Ozone	Moderate	50	-	0.12	0.37	0.59
Greeley, CO	CO	Maintenance	100	-	0.01	0.03	0.05
Green Bay, WI	SO _x	Maintenance	100	-	0.01	0.03	0.05
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.01	0.02
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.01	0.02
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.12	0.37	0.60
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.06	0.18	0.29
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.06	0.20	0.32
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.01	0.01
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.01	0.03	0.04
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.07	0.22	0.35
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.06	0.20	0.32
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.07	0.23	0.37
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.01	0.02
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.01	0.04	0.06
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.02	0.06	0.10
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.98	-0.31	-0.01
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.02	0.06	0.10

Table B2-28
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Acrolein 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
		t					
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.01	0.03	0.05
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.01	0.01
Imperial County, CA	Ozone	Moderate	50	-	0.02	0.06	0.10
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.02	0.06	0.10
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.01
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.16	0.50	0.81
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.13	0.40	0.64
Jackson County, IN	Ozone	Maintenance	100	-	0.01	0.02	0.03
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.01	0.03	0.06
Jefferson County, NY	Ozone	Moderate	50	-	0.01	0.03	0.05
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.02	0.05	0.08
Johnstown, PA	Ozone	Maintenance	100	-	0.01	0.02	0.03
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.03
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.04	0.11	0.18
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.13	0.42	0.67
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.01	0.04	0.06
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.01
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.01	0.02	0.03
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.01	0.01
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.01	0.02
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.10	0.32	0.51
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.08	0.24	0.38
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.01
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Lake County, IN	SO _x	Maintenance	100	-	0.02	0.06	0.10
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.01	0.01
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.01	0.02
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.01	0.02	0.04
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.01

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Acrolein 2060

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.03	0.11	0.18
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.11	0.18
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.04	0.11	0.18
LaPorte, IN	Ozone	Maintenance	100	-	0.01	0.02	0.03
Las Vegas, NV	CO	Serious	100	-	0.14	0.43	0.69
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.14	0.43	0.70
Lauderdale County, AL	SO _x	Maintenance	100	-	0.01	0.02	0.03
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Lima, OH	Ozone	Maintenance	100	-	0.01	0.02	0.04
Longmont, CO	CO	Maintenance	100	-	0.01	0.03	0.04
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.01	0.02
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	1.14	3.81	6.18
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	1.14	3.81	6.18
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	1.14	3.81	6.18
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	1.14	3.81	6.18
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	1.14	3.81	6.18
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.06	0.18	0.29
Louisville, KY-IN	Ozone	Maintenance	100	-	0.08	0.25	0.41
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.08	0.24	0.39
Lowell, MA	CO	Maintenance	100	-	0.01	0.03	0.05
Lucas County, OH	SO _x	Maintenance	100	-	0.02	0.06	0.10
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Macon, GA	Ozone	Maintenance	100	-	0.01	0.04	0.07
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.01	0.04	0.07
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.02	0.07	0.11
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Manchester, NH	CO	Maintenance	100	-	0.00	0.02	0.02
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.01	0.02	0.04

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Acrolein 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Marion County, IN	SO _x	Maintenance	100	-	0.02	0.07	0.11
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.03	0.06
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.02	0.08	0.12
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.01	0.01
Medford, OR	CO	Maintenance	100	-	0.01	0.02	0.04
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.02	0.05	0.09
Memphis, TN-AR	Ozone	Maintenance	100	-	0.07	0.21	0.34
Memphis, TN	CO	Maintenance	100	-	0.06	0.20	0.32
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.01	0.01
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.04	0.11	0.18
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.14	0.43	0.69
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.16	0.63	1.04
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.22	0.70	1.12
Missoula, MT	CO	Maintenance	100	-	0.00	0.02	0.02
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Modesto, CA	CO	Maintenance	100	-	0.03	0.09	0.15
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.01	0.03	0.05
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.01	0.02
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.01	0.01
Muncie, IN	Ozone	Maintenance	100	-	0.01	0.02	0.04
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.01
Muskegon, MI	Ozone	Maintenance	100	-	0.01	0.03	0.05
Nashua, NH	CO	Maintenance	100	-	0.00	0.01	0.02
Nashville, TN	Ozone	Former Subpart 1	50	-	0.13	0.42	0.67
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.02	0.05	0.08
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.01	0.04	0.06
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.05	0.17	0.28
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.03	0.09	0.15
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.56	1.77	2.85
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	1.10	3.47	5.59
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	1.09	3.44	5.53
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.02

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Acrolein 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.11	0.36	0.58
Ogden, UT	CO	Maintenance	100	-	0.00	0.02	0.03
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.02	0.03
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.01	0.03	0.05
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.01	0.03	0.05
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.05
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.01	0.01
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.01	0.02	0.03
Perth Amboy, NJ	CO	Maintenance	100	-	0.01	0.02	0.04
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.02	0.08	0.12
Phildelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.32	1.01	1.62
Phildelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.47	1.50	2.41
Phoenix, AZ	CO	Maintenance	100	-	0.49	1.53	2.47
Phoenix, AZ	PM ₁₀	Serious	70	-	0.50	1.57	2.53
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.50	1.58	2.54
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.01	0.01
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.14	0.44	0.70
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.13	0.40	0.64
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.04	0.13	0.21
Portland, OR	CO	Maintenance	100	-	0.08	0.26	0.43
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Poughkeepsie, NY	Ozone	Moderate	50	-	0.12	0.38	0.60
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.08	0.24	0.39
Provo, UT	CO	Maintenance	100	-	0.01	0.04	0.07
Raleigh-Durham, NC	CO	Maintenance	100	-	0.11	0.35	0.56
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.15	0.47	0.76
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.02	0.08	0.12

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.08	0.12
Reno, NV	CO	Maintenance	100	-	0.02	0.06	0.09
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.09	0.29	0.46
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.06	0.20	0.32
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.02	0.06	0.09
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.01	0.02	0.03
Rochester, NY	Ozone	Former Subpart 1	50	-	0.10	0.31	0.50
Rocky Mount, NC	Ozone	Maintenance	100	-	0.01	0.04	0.06
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.04
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.14	0.44	0.71
Sacramento Metro, CA	Ozone	Severe	25	-	0.26	0.82	1.32
Sacramento, CA	CO	Maintenance	100	-	0.16	0.50	0.80
Salem, OR	CO	Maintenance	100	-	0.01	0.03	0.05
Salt Lake City, UT	CO	Maintenance	100	-	-0.06	-0.04	-0.03
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.01	0.16	0.29
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.08	0.25	0.41
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.15	0.47	0.76
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.04	0.11	0.18
San Diego, CA	CO	Maintenance	100	-	0.38	1.18	1.91
San Diego, CA	Ozone	Former Subpart 1	50	-	0.38	1.19	1.91
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.54	1.70	2.74
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.61	1.91	3.07
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.39	1.29	2.09
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.40	1.30	2.10
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.39	1.29	2.09
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.01	0.02
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.05	0.15	0.25
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.24	0.77	1.23
Sheboygan, WI	Ozone	Moderate	50	-	0.01	0.03	0.05
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00

Table B2-28
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Acrolein 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.03	0.10	0.17
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.01	0.03	0.04
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.02	0.08	0.12
Spokane, WA	CO	Maintenance	100	-	0.02	0.07	0.12
Springfield (western MA), MA	Ozone	Moderate	50	-	0.07	0.21	0.33
Springfield, MA	CO	Maintenance	100	-	0.01	0.04	0.06
St Louis, MO	CO	Maintenance	100	-	0.05	0.17	0.27
St Louis, MO-IL	Ozone	Moderate	50	-	0.20	0.64	1.03
St. Louis, MO-IL	PM _{2,5}	Nonattainment	100	-	0.20	0.64	1.03
State College, PA	Ozone	Maintenance	100	-	0.01	0.04	0.07
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	0.01
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.01	0.01
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.01	0.02	0.03
Steubenville-Weirton, OH-WV	PM _{2,5}	Nonattainment	100	-	0.01	0.02	0.03
Stockton, CA	CO	Maintenance	100	-	0.04	0.14	0.23
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.04	0.11	0.18
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.01	0.03	0.04
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.01	0.02
Toledo, OH	Ozone	Maintenance	100	-	0.04	0.12	0.19
Toms River, NJ	CO	Maintenance	100	-	0.01	0.03	0.05
Tooele County, UT	SO _x	Nonattainment	100	-	0.01	0.03	0.04
Trenton, NJ	CO	Maintenance	100	-	0.01	0.02	0.03
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.08	0.26	0.42
Utah County, UT	PM ₁₀	Moderate	100	-	0.04	0.13	0.21
Vancouver, WA	CO	Maintenance	100	-	0.03	0.09	0.14
Ventura County, CA	Ozone	Serious	50	-	0.07	0.24	0.39
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.01	0.03	0.04
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.01	0.02
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.01	0.01
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.02	0.05	0.08
Washington, DC-MD-VA	CO	Maintenance	100	-	0.12	0.39	0.63

Table B2-28
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Acrolein 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.44	1.40	2.26
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.43	1.37	2.20
Washoe County, NV	PM ₁₀	Serious	70	-	0.02	0.06	0.09
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.02
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.01	0.03	0.05
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.01	0.03	0.05
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.05
Winston-Salem, NC	CO	Maintenance	100	-	0.03	0.10	0.16
Worcester, MA	CO	Maintenance	100	-	0.02	0.06	0.09
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.01	0.02	0.04
Yakima, WA	CO	Maintenance	100	-	0.00	0.01	0.02
York, PA	Ozone	Maintenance	100	-	0.04	0.11	0.18
York, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.09	0.14
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.04	0.13	0.21
Yuma, AZ	PM ₁₀	Moderate	100	-	0.02	0.05	0.08

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

Table B2-29
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Benzene 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-0.05	-0.11	-0.53
Albuquerque, NM	CO	Maintenance	100	-	0.02	0.01	-0.12
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	-0.00	-0.04
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.03	0.02	-0.08
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.02
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.02
Anchorage, AK	CO	Maintenance	100	-	-0.03	-0.05	-0.13
Anthony, NM	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Atlanta, GA	Ozone	Moderate	50	-	0.27	0.19	-1.09
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.27	0.19	-1.10
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
Bakersfield, CA	CO	Maintenance	100	-	0.01	0.00	-0.09
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	-0.00
Baltimore, MD	Ozone	Moderate	50	-	0.17	0.16	-0.32
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.17	0.16	-0.32
Baton Rouge, LA	Ozone	Moderate	50	-	-0.01	-0.03	-0.24
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.00	-0.01	-0.12
Benton County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	-0.00	-0.01	-0.06
Benzie County, MI	Ozone	Maintenance	100	-	-0.00	-0.00	-0.01
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-0.00	-0.01	-0.05
Billings, MT	CO	Maintenance	100	-	-0.00	-0.01	-0.03
Birmingham, AL	Ozone	Maintenance	100	-	0.04	0.03	-0.17
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.04	0.03	-0.17
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-0.01	-0.02	-0.12
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.12
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Boston, MA	CO	Maintenance	100	-	0.05	0.05	-0.09
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.32	0.30	-0.51
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.04	0.04	-0.06
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01

Table B2-29
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Benzene 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.05	0.04	-0.17
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Butte, MT	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.02
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.01	0.00	-0.07
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.00	-0.07
Case County, MI	Ozone	Maintenance	100	-	0.00	-0.00	-0.01
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Charleston, WV	Ozone	Maintenance	100	-	0.01	0.01	-0.04
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.04
Charlotte, NC	CO	Maintenance	100	-	0.04	0.03	-0.10
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.06	0.03	-0.30
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-0.01	-0.03	-0.19
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-0.01	-0.03	-0.17
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.38	0.33	-0.87
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.39	0.33	-0.92
Chico, CA	CO	Maintenance	100	-	0.00	0.00	-0.02
Chico, CA	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.04
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.08	0.06	-0.32
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.08	0.06	-0.31
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.07	0.06	-0.19
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-0.01	-0.02	-0.11
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-0.00	-0.01	-0.06
Cleveland, OH	CO	Maintenance	100	-	0.03	0.02	-0.18
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.11	0.08	-0.42
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.10	0.07	-0.38
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.04	0.04	-0.06
Colbert County, AL	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Colorado Springs, CO	CO	Maintenance	100	-	0.01	-0.01	-0.15
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	-0.01	-0.03	-0.22
Columbus, OH	Ozone	Maintenance	100	-	0.05	0.02	-0.33

Table B2-29
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Benzene 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.05	0.03	-0.29
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.03	0.02	-0.18
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.03	0.01	-0.15
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.31	0.24	-1.02
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.03	0.02	-0.16
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.03	0.02	-0.14
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.17	0.16	-0.31
Denver-Boulder, CO	CO	Maintenance	100	-	0.17	0.15	-0.30
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.18	0.15	-0.47
Detroit, MI	CO	Maintenance	100	-	0.05	0.02	-0.32
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.15	0.07	-0.89
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.15	0.08	-0.86
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Duluth, MN	CO	Maintenance	100	-	-0.00	-0.00	-0.03
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.03
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.01	0.00	-0.10
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	-0.01
Erie, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.04
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	-0.01	-0.03	-0.11
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.10
Evansville, IN	Ozone	Maintenance	100	-	0.01	0.00	-0.06
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.00	-0.01	-0.09
Fairbanks, AK	CO	Maintenance	100	-	-0.01	-0.01	-0.02
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.04
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Flint, MI	Ozone	Maintenance	100	-	0.02	0.01	-0.09
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	0.00	-0.00	-0.04

Table B2-29
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Benzene 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	-0.01	-0.02	-0.13
Franklin County, PA	Ozone	Maintenance	100	-	-0.00	-0.01	-0.05
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	-0.01	-0.02	-0.07
Fredericksburg, VA	Ozone	Maintenance	100	-	0.01	0.00	-0.08
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Fresno, CA	CO	Maintenance	100	-	0.03	0.03	-0.07
Grand Rapids, MI	Ozone	Maintenance	100	-	0.02	0.01	-0.16
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Grant County, NM	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Grants Pass, OR	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Great Falls, MT	CO	Maintenance	100	-	-0.00	-0.00	-0.01
Greater Connecticut, CT	Ozone	Moderate	50	-	0.09	0.07	-0.22
Greeley, CO	CO	Maintenance	100	-	0.00	-0.00	-0.04
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Greene County, IN	Ozone	Maintenance	100	-	-0.00	-0.00	-0.02
Greene County, PA	Ozone	Maintenance	100	-	-0.00	-0.00	-0.02
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.07	0.04	-0.28
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.04	0.03	-0.12
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-0.02	-0.06	-0.33
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.00	-0.02
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.04	0.03	-0.12
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.04	0.03	-0.11
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.06	0.05	-0.13
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.01	0.00	-0.03
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.05
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	0.05	-0.10	-1.50
Humphreys County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-0.01	-0.02	-0.12

Table B2-29
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Benzene 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
		t					
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-0.01	-0.01	-0.07
Huron County, MI	Ozone	Maintenance	100	-	-0.00	-0.00	-0.01
Imperial County, CA	Ozone	Moderate	50	-	0.01	0.01	-0.03
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.01	0.01	-0.03
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Indianapolis, IN	CO	Maintenance	100	-	0.00	-0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.06	0.02	-0.40
Indianapolis, IN	PM _{2,5}	Nonattainment	100	-	0.05	0.02	-0.31
Jackson County, IN	Ozone	Maintenance	100	-	-0.00	-0.00	-0.02
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.03
Jefferson County, NY	Ozone	Moderate	50	-	0.01	0.01	-0.02
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-0.01	-0.02	-0.10
Johnstown, PA	Ozone	Maintenance	100	-	0.00	-0.00	-0.03
Johnstown, PA	PM _{2,5}	Nonattainment	100	-	0.00	-0.00	-0.03
Juneau, AK	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.02
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.01	-0.00	-0.12
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Kansas City, MO-KS	Ozone	Maintenance	100	-	-0.02	-0.08	-0.55
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.01	0.01	-0.01
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.01
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.02
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	-0.00
King County, WA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Klamath Falls, OR	CO	Maintenance	100	-	-0.00	-0.01	-0.03
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.03
Knoxville, TN	Ozone	Former Subpart 1	50	-	-0.01	-0.06	-0.39
Knoxville, TN	PM _{2,5}	Nonattainment	100	-	-0.01	-0.05	-0.32
La Porte County, IN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Lake County, IN	SO _x	Maintenance	100	-	0.02	0.01	-0.04
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	-0.00
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	-0.01
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	-0.00

Table B2-29
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Benzene 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.03	0.02	-0.05
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.02	-0.05
Lane County, OR	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.02	0.02	-0.07
LaPorte, IN	Ozone	Maintenance	100	-	-0.00	-0.01	-0.04
Las Vegas, NV	CO	Serious	100	-	0.07	0.06	-0.19
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.08	0.06	-0.19
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.00	-0.00	-0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Lima, OH	Ozone	Maintenance	100	-	-0.00	-0.01	-0.04
Longmont, CO	CO	Maintenance	100	-	0.01	0.01	-0.01
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.81	0.70	-1.88
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	0.81	0.70	-1.88
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.81	0.70	-1.88
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.81	0.70	-1.88
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.81	0.70	-1.88
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.04	0.03	-0.08
Louisville, KY-IN	Ozone	Maintenance	100	-	0.05	0.03	-0.19
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.04	0.03	-0.19
Lowell, MA	CO	Maintenance	100	-	0.01	0.01	-0.01
Lucas County, OH	SO _x	Maintenance	100	-	0.01	0.01	-0.05
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Macon, GA	Ozone	Maintenance	100	-	-0.00	-0.01	-0.08
Macon, GA	PM _{2.5}	Nonattainment	100	-	-0.00	-0.01	-0.08
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Madison, WI	SO _x	Maintenance	100	-	0.01	0.00	-0.04
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Manchester, NH	CO	Maintenance	100	-	0.01	0.00	-0.01
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.01	0.00	-0.01

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Benzene 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Marion County, IN	SO _x	Maintenance	100	-	0.00	-0.00	-0.08
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.00	-0.01
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-0.00	-0.01	-0.10
Mason County, MI	Ozone	Maintenance	100	-	0.00	-0.00	-0.01
Medford, OR	CO	Maintenance	100	-	0.00	0.00	-0.01
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.03
Memphis, TN-AR	Ozone	Maintenance	100	-	0.03	0.00	-0.22
Memphis, TN	CO	Maintenance	100	-	0.04	0.03	-0.16
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.02	0.01	-0.09
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.08	0.06	-0.28
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.04	-0.03	-0.73
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.04	-0.03	-0.71
Missoula, MT	CO	Maintenance	100	-	-0.01	-0.01	-0.04
Missoula, MT	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.04
Modesto, CA	CO	Maintenance	100	-	0.01	0.01	-0.05
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Muncie, IN	Ozone	Maintenance	100	-	-0.01	-0.02	-0.06
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	-0.00	-0.00
Muscatine County, IA	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Muskegon, MI	Ozone	Maintenance	100	-	0.00	-0.00	-0.04
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	-0.01
Nashville, TN	Ozone	Former Subpart 1	50	-	0.07	0.04	-0.27
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.02
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.02
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.04	0.04	-0.10
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
New York County, NY	PM ₁₀	Moderate	100	-	-0.65	-0.95	-2.21
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-0.89	-1.54	-5.21
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-0.53	-1.23	-6.13
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-0.52	-1.21	-6.06
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.08	0.06	-0.23
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	-0.01
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.01
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.02
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-0.00	-0.00	-0.04
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.00	-0.01	-0.05
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.01	0.01	-0.01
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.02	0.02	-0.05
Phildelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.16	0.09	-0.81
Phildelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.28	0.20	-1.06
Phoenix, AZ	CO	Maintenance	100	-	0.25	0.22	-0.51
Phoenix, AZ	PM ₁₀	Serious	70	-	0.26	0.23	-0.52
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.26	0.23	-0.53
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	-0.00
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.06	0.03	-0.40
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.07	0.04	-0.34
Polk County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Polson, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Portland, ME	Ozone	Maintenance	100	-	0.03	0.03	-0.07
Portland, OR	CO	Maintenance	100	-	0.04	0.03	-0.21
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.02
Poughkeepsie, NY	Ozone	Moderate	50	-	0.06	0.04	-0.20
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.03	0.02	-0.18
Provo, UT	CO	Maintenance	100	-	0.01	0.00	-0.03
Raleigh-Durham, NC	CO	Maintenance	100	-	0.07	0.05	-0.17
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.09	0.07	-0.25
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Reading, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.06

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.06
Reno, NV	CO	Maintenance	100	-	0.01	0.01	-0.03
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.06	0.05	-0.18
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.04	0.04	-0.06
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.01	0.00	-0.06
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	-0.00	-0.02
Rochester, NY	Ozone	Former Subpart 1	50	-	0.06	0.05	-0.20
Rocky Mount, NC	Ozone	Maintenance	100	-	0.00	-0.00	-0.04
Rome, GA	PM _{2.5}	Nonattainment	100	-	-0.00	-0.01	-0.04
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.08	0.07	-0.17
Sacramento Metro, CA	Ozone	Severe	25	-	0.13	0.11	-0.34
Sacramento, CA	CO	Maintenance	100	-	0.09	0.08	-0.19
Salem, OR	CO	Maintenance	100	-	0.00	0.00	-0.02
Salt Lake City, UT	CO	Maintenance	100	-	0.01	0.01	-0.03
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.05	0.03	-0.16
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.05	0.03	-0.16
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.01	-0.05	-0.52
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.02	0.02	-0.05
San Diego, CA	CO	Maintenance	100	-	0.24	0.23	-0.41
San Diego, CA	Ozone	Former Subpart 1	50	-	0.24	0.23	-0.42
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.34	0.29	-0.78
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.39	0.34	-0.87
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.19	0.13	-0.70
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.19	0.13	-0.70
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.19	0.13	-0.70
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.02	0.01	-0.12
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.03	-0.05	-0.79
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.00	-0.02
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.02
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.01	0.00	-0.09
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.02
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.00	-0.01	-0.09
Spokane, WA	CO	Maintenance	100	-	0.00	-0.01	-0.08
Springfield (western MA), MA	Ozone	Moderate	50	-	0.05	0.05	-0.09
Springfield, MA	CO	Maintenance	100	-	0.01	0.01	-0.01
St Louis, MO	CO	Maintenance	100	-	0.02	-0.00	-0.22
St Louis, MO-IL	Ozone	Moderate	50	-	0.10	0.05	-0.57
St. Louis, MO-IL	PM _{2,5}	Nonattainment	100	-	0.10	0.05	-0.56
State College, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.02
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.00	-0.01	-0.02
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.00	-0.01	-0.05
Steubenville-Weirton, OH-WV	PM _{2,5}	Nonattainment	100	-	-0.00	-0.01	-0.05
Stockton, CA	CO	Maintenance	100	-	0.02	0.02	-0.06
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.01	-0.01	-0.13
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	-0.00	-0.01	-0.05
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.01
Toledo, OH	Ozone	Maintenance	100	-	0.02	0.01	-0.10
Toms River, NJ	CO	Maintenance	100	-	0.01	0.01	-0.01
Tooele County, UT	SO _x	Nonattainment	100	-	-0.00	-0.01	-0.04
Trenton, NJ	CO	Maintenance	100	-	0.01	0.00	-0.01
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Tucson, AZ	CO	Maintenance	100	-	0.05	0.04	-0.14
Utah County, UT	PM ₁₀	Moderate	100	-	0.02	0.01	-0.09
Vancouver, WA	CO	Maintenance	100	-	0.01	0.00	-0.06
Ventura County, CA	Ozone	Serious	50	-	0.05	0.04	-0.09
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Vigo County, IN	SO _x	Maintenance	100	-	-0.00	-0.01	-0.05
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	-0.01
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-0.00	-0.01	-0.07
Washington, DC-MD-VA	CO	Maintenance	100	-	0.09	0.08	-0.17

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.30	0.27	-0.61
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.30	0.27	-0.58
Washoe County, NV	PM ₁₀	Serious	70	-	0.01	0.01	-0.03
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Wayne County, IN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Weirton, WV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Wheeling, WV-OH	Ozone	Maintenance	100	-	-0.00	-0.01	-0.06
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.00	-0.01	-0.06
Winston-Salem, NC	CO	Maintenance	100	-	0.01	0.01	-0.08
Worcester, MA	CO	Maintenance	100	-	0.01	0.01	-0.02
Yakima County, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.03
Yakima, WA	CO	Maintenance	100	-	-0.00	-0.00	-0.01
York, PA	Ozone	Maintenance	100	-	0.02	0.01	-0.08
York, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.06
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.03	0.02	-0.11
Yuma, AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.03

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

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

c/ Emissions thresholds in tons/year of: VOC or NO_x in ozone NAAs; primary PM_{2.5} in PM_{2.5} NAAs. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the proposed actions. Source: EPA, 2008.

Table B2-30
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Benzene 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	-0.00	-0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-0.12	-0.49	-2.08
Albuquerque, NM	CO	Maintenance	100	-	0.04	-0.06	-0.66
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	-0.03	-0.19
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.07	-0.02	-0.58
Altoona, PA	Ozone	Maintenance	100	-	0.00	-0.02	-0.12
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.02	0.00	-0.15
Anchorage, AK	CO	Maintenance	100	-	-0.07	-0.14	-0.40
Anthony, NM	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Atlanta, GA	Ozone	Moderate	50	-	0.65	-0.44	-7.03
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.65	-0.45	-7.04
Atlantic City, NJ	CO	Maintenance	100	-	0.01	0.00	-0.05
Bakersfield, CA	CO	Maintenance	100	-	0.03	-0.05	-0.50
Baltimore, MD	CO	Maintenance	100	-	0.00	-0.00	-0.01
Baltimore, MD	Ozone	Moderate	50	-	0.42	0.01	-2.75
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.42	0.01	-2.75
Baton Rouge, LA	Ozone	Moderate	50	-	-0.02	-0.20	-1.02
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.00	-0.09	-0.54
Benton County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	-0.00	-0.05	-0.25
Benzie County, MI	Ozone	Maintenance	100	-	-0.00	-0.01	-0.03
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-0.00	-0.04	-0.20
Billings, MT	CO	Maintenance	100	-	-0.01	-0.03	-0.11
Birmingham, AL	Ozone	Maintenance	100	-	0.10	-0.07	-1.07
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.10	-0.07	-1.07
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-0.02	-0.10	-0.49
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-0.02	-0.10	-0.49
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.03
Boston, MA	CO	Maintenance	100	-	0.12	0.01	-0.77
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.75	0.08	-4.59
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.10	0.01	-0.58
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.01	-0.01	-0.03

Table B2-30
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Benzene 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.13	-0.05	-1.17
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
Butte, MT	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.06
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.03
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.02	-0.04	-0.35
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.02	-0.04	-0.35
Case County, MI	Ozone	Maintenance	100	-	0.00	-0.01	-0.06
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Charleston, WV	Ozone	Maintenance	100	-	0.03	-0.02	-0.28
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.03	-0.02	-0.28
Charlotte, NC	CO	Maintenance	100	-	0.09	-0.02	-0.72
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.14	-0.15	-1.80
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-0.02	-0.16	-0.80
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-0.02	-0.15	-0.73
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.90	-0.11	-6.75
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.92	-0.14	-7.03
Chico, CA	CO	Maintenance	100	-	0.01	-0.01	-0.11
Chico, CA	Ozone	Former Subpart 1	50	-	0.03	-0.01	-0.25
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.19	-0.13	-2.07
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.19	-0.12	-1.99
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.02
Clark County, NV	PM ₁₀	Serious	70	-	0.19	-0.03	-1.46
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-0.03	-0.10	-0.43
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-0.01	-0.06	-0.27
Cleveland, OH	CO	Maintenance	100	-	0.07	-0.09	-1.04
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.26	-0.16	-2.68
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.24	-0.15	-2.47
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.10	0.01	-0.57
Colbert County, AL	SO _x	Maintenance	100	-	-0.00	-0.02	-0.09
Colorado Springs, CO	CO	Maintenance	100	-	0.02	-0.11	-0.74
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Columbia, SC	Ozone	Former Subpart 1	50	-	-0.02	-0.19	-0.94
Columbus, OH	Ozone	Maintenance	100	-	0.12	-0.18	-1.89

Table B2-30
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Benzene 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.12	-0.15	-1.72
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	-0.00	-0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.07	-0.09	-1.04
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.06	-0.08	-0.85
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.76	-0.32	-7.06
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.07	-0.08	-0.92
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.06	-0.07	-0.80
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.42	0.02	-2.73
Denver-Boulder, CO	CO	Maintenance	100	-	0.40	0.01	-2.62
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.44	-0.09	-3.51
Detroit, MI	CO	Maintenance	100	-	0.11	-0.18	-1.80
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.35	-0.47	-5.16
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.35	-0.45	-5.03
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	-0.00	-0.04
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.04
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	-0.00	-0.03
Duluth, MN	CO	Maintenance	100	-	-0.00	-0.02	-0.12
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.02
East Chicago, IN	CO	Maintenance	100	-	0.00	-0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.02	-0.01	-0.20
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	-0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.03	-0.06	-0.55
El Paso, TX	CO	Maintenance	100	-	0.00	-0.00	-0.04
Erie, PA	Ozone	Maintenance	100	-	0.02	-0.02	-0.24
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	-0.00	-0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	-0.03	-0.11	-0.41
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-0.03	-0.10	-0.39
Evansville, IN	Ozone	Maintenance	100	-	0.01	-0.03	-0.30
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.01	-0.06	-0.42
Fairbanks, AK	CO	Maintenance	100	-	-0.01	-0.03	-0.06
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.03	-0.01	-0.29
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Flint, MI	Ozone	Maintenance	100	-	0.05	-0.04	-0.55
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	0.01	-0.03	-0.21

Table B2-30
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Benzene 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	-0.02	-0.12	-0.55
Franklin County, PA	Ozone	Maintenance	100	-	-0.00	-0.04	-0.21
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	-0.02	-0.06	-0.24
Fredericksburg, VA	Ozone	Maintenance	100	-	0.03	-0.04	-0.47
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	-0.02
Fresno, CA	CO	Maintenance	100	-	0.08	-0.01	-0.56
Grand Rapids, MI	Ozone	Maintenance	100	-	0.06	-0.09	-0.92
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.01	-0.00	-0.04
Grant County, NM	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Grants Pass, OR	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.06
Great Falls, MT	CO	Maintenance	100	-	-0.00	-0.01	-0.03
Greater Connecticut, CT	Ozone	Moderate	50	-	0.20	-0.04	-1.59
Greeley, CO	CO	Maintenance	100	-	0.00	-0.03	-0.17
Green Bay, WI	SO _x	Maintenance	100	-	0.01	-0.01	-0.14
Greene County, IN	Ozone	Maintenance	100	-	-0.00	-0.01	-0.07
Greene County, PA	Ozone	Maintenance	100	-	-0.00	-0.02	-0.08
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.15	-0.12	-1.72
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.09	-0.03	-0.80
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-0.05	-0.29	-1.37
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	-0.00	-0.02
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.01	-0.01	-0.13
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.10	-0.03	-0.85
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.09	-0.03	-0.79
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.14	-0.01	-1.00
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	-0.00	-0.01
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.04
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	-0.00	-0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	-0.00	-0.05
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.02	-0.01	-0.19
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.02	-0.03	-0.32
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	-0.00	-0.00
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	0.11	-1.10	-7.25
Humphreys County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-0.02	-0.11	-0.48

Table B2-30
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Benzene 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
		t					
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-0.01	-0.06	-0.26
Huron County, MI	Ozone	Maintenance	100	-	-0.00	-0.01	-0.04
Imperial County, CA	Ozone	Moderate	50	-	0.03	-0.01	-0.21
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.03	-0.01	-0.21
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.04
Indianapolis, IN	CO	Maintenance	100	-	0.00	-0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.14	-0.23	-2.27
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.12	-0.17	-1.78
Jackson County, IN	Ozone	Maintenance	100	-	-0.00	-0.02	-0.11
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.01	-0.02	-0.17
Jefferson County, NY	Ozone	Moderate	50	-	0.01	-0.00	-0.12
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-0.02	-0.09	-0.37
Johnstown, PA	Ozone	Maintenance	100	-	0.00	-0.02	-0.13
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	-0.02	-0.15
Juneau, AK	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.04
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.02	-0.08	-0.61
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.05
Kansas City, MO-KS	Ozone	Maintenance	100	-	-0.05	-0.46	-2.39
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.02	0.01	-0.12
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	-0.01	-0.03
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.01	-0.01	-0.09
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	-0.00	-0.03
King County, WA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.01
Klamath Falls, OR	CO	Maintenance	100	-	-0.01	-0.03	-0.09
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.01	-0.03	-0.09
Knoxville, TN	Ozone	Former Subpart 1	50	-	-0.03	-0.33	-1.70
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-0.04	-0.27	-1.35
La Porte County, IN	SO _x	Maintenance	100	-	-0.00	-0.01	-0.05
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.03
Lake County, IN	SO _x	Maintenance	100	-	0.04	-0.01	-0.30
Lake County, OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.04
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	-0.03
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.01	0.00	-0.06
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	-0.00	-0.02

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Benzene 2025

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.02
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.06	-0.00	-0.42
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.06	-0.00	-0.42
Lane County, OR	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.06	-0.02	-0.47
LaPorte, IN	Ozone	Maintenance	100	-	-0.01	-0.03	-0.15
Las Vegas, NV	CO	Serious	100	-	0.19	-0.03	-1.46
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.19	-0.03	-1.48
Lauderdale County, AL	SO _x	Maintenance	100	-	0.01	-0.00	-0.09
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.00	-0.00	-0.01
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	-0.00	-0.02
Lima, OH	Ozone	Maintenance	100	-	-0.01	-0.04	-0.17
Longmont, CO	CO	Maintenance	100	-	0.01	0.00	-0.08
Lorain County, OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.05
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	1.95	-0.24	-14.60
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	1.95	-0.24	-14.60
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	1.95	-0.24	-14.60
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	1.95	-0.24	-14.60
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	1.95	-0.24	-14.60
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.09	-0.01	-0.65
Louisville, KY-IN	Ozone	Maintenance	100	-	0.11	-0.08	-1.19
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.10	-0.08	-1.16
Lowell, MA	CO	Maintenance	100	-	0.02	0.00	-0.10
Lucas County, OH	SO _x	Maintenance	100	-	0.03	-0.02	-0.32
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.01	-0.00	-0.06
Macon, GA	Ozone	Maintenance	100	-	-0.01	-0.07	-0.32
Macon, GA	PM _{2.5}	Nonattainment	100	-	-0.01	-0.07	-0.32
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	-0.00	-0.00
Madison, WI	SO _x	Maintenance	100	-	0.02	-0.02	-0.27
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
Manchester, NH	CO	Maintenance	100	-	0.01	0.00	-0.07
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.01	-0.00	-0.10

Table B2-30
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Benzene 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Marion County, IN	SO _x	Maintenance	100	-	0.01	-0.06	-0.39
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	-0.00	-0.11
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-0.01	-0.08	-0.45
Mason County, MI	Ozone	Maintenance	100	-	0.00	-0.00	-0.03
Medford, OR	CO	Maintenance	100	-	0.01	-0.00	-0.08
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.02	-0.01	-0.19
Memphis, TN-AR	Ozone	Maintenance	100	-	0.05	-0.14	-1.18
Memphis, TN	CO	Maintenance	100	-	0.09	-0.07	-0.97
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	-0.00	-0.03
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	-0.00	-0.01
Milwaukee, WI	SO _x	Maintenance	100	-	0.05	-0.04	-0.56
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.18	-0.11	-1.84
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.09	-0.51	-3.61
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.09	-0.50	-3.51
Missoula, MT	CO	Maintenance	100	-	-0.02	-0.04	-0.13
Missoula, MT	PM ₁₀	Moderate	100	-	-0.02	-0.04	-0.13
Modesto, CA	CO	Maintenance	100	-	0.03	-0.02	-0.33
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.01	-0.00	-0.10
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	-0.00	-0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	-0.03
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.00	-0.01	-0.04
Muncie, IN	Ozone	Maintenance	100	-	-0.02	-0.06	-0.22
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	-0.00	-0.01
Muscatine County, IA	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Muskegon, MI	Ozone	Maintenance	100	-	0.00	-0.03	-0.17
Nashua, NH	CO	Maintenance	100	-	0.01	0.00	-0.05
Nashville, TN	Ozone	Former Subpart 1	50	-	0.16	-0.11	-1.73
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.02	-0.00	-0.13
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.02	-0.00	-0.14
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.10	-0.02	-0.76
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
New York County, NY	PM ₁₀	Moderate	100	-	-1.57	-2.71	-5.41
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-2.20	-5.45	-17.27
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-1.34	-5.61	-24.09
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-1.31	-5.54	-23.84
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.04

Table B2-30
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Benzene 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.17	-0.07	-1.58
Ogden, UT	CO	Maintenance	100	-	0.01	-0.00	-0.07
Ogden, UT	PM ₁₀	Moderate	100	-	0.01	-0.00	-0.07
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.03
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.01	-0.02	-0.13
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	-0.00	-0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-0.00	-0.04	-0.20
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.00	-0.04	-0.20
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.02
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.01	-0.00	-0.09
Perth Amboy, NJ	CO	Maintenance	100	-	0.01	0.00	-0.07
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.05	-0.00	-0.37
Phildelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.37	-0.40	-4.84
Phildelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.64	-0.42	-6.80
Phoenix, AZ	CO	Maintenance	100	-	0.64	-0.00	-4.38
Phoenix, AZ	PM ₁₀	Serious	70	-	0.66	-0.01	-4.51
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.66	-0.01	-4.53
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.01
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	-0.00	-0.03
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.14	-0.22	-2.25
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.15	-0.17	-2.01
Polk County, TN	SO _x	Maintenance	100	-	-0.00	-0.01	-0.03
Polson, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Portland, ME	Ozone	Maintenance	100	-	0.07	-0.00	-0.53
Portland, OR	CO	Maintenance	100	-	0.10	-0.10	-1.25
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.08
Poughkeepsie, NY	Ozone	Moderate	50	-	0.15	-0.07	-1.39
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Providence (entire State), RI	Ozone	Moderate	50	-	0.08	-0.09	-1.08
Provo, UT	CO	Maintenance	100	-	0.01	-0.01	-0.18
Raleigh-Durham, NC	CO	Maintenance	100	-	0.16	-0.03	-1.27
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.21	-0.06	-1.76
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Reading, PA	Ozone	Maintenance	100	-	0.03	-0.02	-0.35

Table B2-30
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Benzene 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.03	-0.02	-0.35
Reno, NV	CO	Maintenance	100	-	0.03	-0.00	-0.23
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.14	-0.05	-1.23
Rillito, AZ	PM ₁₀	Moderate	100	-	0.01	-0.00	-0.05
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.10	0.01	-0.57
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.01	-0.04	-0.31
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	-0.01	-0.10
Rochester, NY	Ozone	Former Subpart 1	50	-	0.15	-0.06	-1.35
Rocky Mount, NC	Ozone	Maintenance	100	-	0.01	-0.03	-0.23
Rome, GA	PM _{2.5}	Nonattainment	100	-	-0.00	-0.03	-0.17
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.20	-0.01	-1.40
Sacramento Metro, CA	Ozone	Severe	25	-	0.33	-0.06	-2.61
Sacramento, CA	CO	Maintenance	100	-	0.22	-0.01	-1.56
Salem, OR	CO	Maintenance	100	-	0.01	-0.01	-0.14
Salt Lake City, UT	CO	Maintenance	100	-	0.02	-0.01	-0.22
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.11	-0.06	-1.06
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.11	-0.06	-1.06
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.02	-0.40	-2.46
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.06	0.00	-0.40
San Diego, CA	CO	Maintenance	100	-	0.60	0.05	-3.76
San Diego, CA	Ozone	Former Subpart 1	50	-	0.60	0.05	-3.77
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.82	-0.10	-6.11
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.95	-0.08	-6.88
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.47	-0.26	-4.69
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.47	-0.26	-4.71
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.47	-0.26	-4.69
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	-0.00	-0.03
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.05	-0.06	-0.73
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.06	-0.58	-3.83
Sheboygan, WI	Ozone	Moderate	50	-	0.01	-0.01	-0.13
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.05
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00

Table B2-30
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Benzene 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	-0.02
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.03	-0.05	-0.52
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.02	-0.00	-0.17
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.00	-0.07	-0.40
Spokane, WA	CO	Maintenance	100	-	0.00	-0.07	-0.39
Springfield (western MA), MA	Ozone	Moderate	50	-	0.13	0.01	-0.81
Springfield, MA	CO	Maintenance	100	-	0.02	0.00	-0.13
St Louis, MO	CO	Maintenance	100	-	0.04	-0.15	-1.12
St Louis, MO-IL	Ozone	Moderate	50	-	0.23	-0.29	-3.28
St. Louis, MO-IL	PM _{2,5}	Nonattainment	100	-	0.23	-0.29	-3.26
State College, PA	Ozone	Maintenance	100	-	0.02	0.00	-0.16
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.02
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.01	-0.02	-0.08
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.01	-0.04	-0.17
Steubenville-Weirton, OH-WV	PM _{2,5}	Nonattainment	100	-	-0.01	-0.04	-0.17
Stockton, CA	CO	Maintenance	100	-	0.05	-0.02	-0.46
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.01	-0.10	-0.65
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	-0.01	-0.05	-0.21
Tioga County, PA	Ozone	Maintenance	100	-	0.01	-0.00	-0.06
Toledo, OH	Ozone	Maintenance	100	-	0.05	-0.04	-0.59
Toms River, NJ	CO	Maintenance	100	-	0.01	0.00	-0.09
Tooele County, UT	SO _x	Nonattainment	100	-	-0.01	-0.03	-0.16
Trenton, NJ	CO	Maintenance	100	-	0.01	0.00	-0.08
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Tucson, AZ	CO	Maintenance	100	-	0.11	-0.04	-0.99
Utah County, UT	PM ₁₀	Moderate	100	-	0.04	-0.04	-0.53
Vancouver, WA	CO	Maintenance	100	-	0.02	-0.03	-0.35
Ventura County, CA	Ozone	Serious	50	-	0.12	0.00	-0.77
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.02
Vigo County, IN	SO _x	Maintenance	100	-	-0.01	-0.05	-0.21
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.01	0.00	-0.05
Warren County, NJ	SO _x	Maintenance	100	-	0.01	0.00	-0.03
Warren County, PA	SO _x	Nonattainment	100	-	0.00	-0.00	-0.01
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-0.00	-0.06	-0.30
Washington, DC-MD-VA	CO	Maintenance	100	-	0.22	0.01	-1.44

Table B2-30
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative Benzene 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.73	-0.01	-5.02
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.73	0.00	-4.89
Washoe County, NV	PM ₁₀	Serious	70	-	0.03	-0.00	-0.23
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Wayne County, IN	SO _x	Maintenance	100	-	-0.00	-0.02	-0.10
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	-0.01	-0.09
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.02
Weirton, WV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Wheeling, WV-OH	Ozone	Maintenance	100	-	-0.01	-0.05	-0.24
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.01	-0.05	-0.24
Winston-Salem, NC	CO	Maintenance	100	-	0.03	-0.04	-0.46
Worcester, MA	CO	Maintenance	100	-	0.03	0.00	-0.20
Yakima County, WA	PM ₁₀	Maintenance	100	-	-0.01	-0.03	-0.14
Yakima, WA	CO	Maintenance	100	-	-0.00	-0.01	-0.06
York, PA	Ozone	Maintenance	100	-	0.04	-0.04	-0.49
York, PA	PM _{2.5}	Nonattainment	100	-	0.03	-0.02	-0.36
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.06	-0.05	-0.69
Yuma, AZ	PM ₁₀	Moderate	100	-	0.02	-0.01	-0.19

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

Table B2-31
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Benzene 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.02
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	-0.01	-0.03
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	-0.01	-0.03
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-0.04	-3.20	-12.36
Albuquerque, NM	CO	Maintenance	100	-	0.30	-0.93	-4.83
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.06	-0.29	-1.34
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.40	-0.80	-4.68
Altoona, PA	Ozone	Maintenance	100	-	0.04	-0.17	-0.81
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.16	-0.24	-1.54
Anchorage, AK	CO	Maintenance	100	-	-0.17	-0.64	-1.86
Anthony, NM	PM ₁₀	Moderate	100	-	-0.00	-0.02	-0.07
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	-0.01	-0.04
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	-0.02	-0.07
Atlanta, GA	Ozone	Moderate	50	-	4.30	-10.16	-56.48
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	4.30	-10.17	-56.50
Atlantic City, NJ	CO	Maintenance	100	-	0.04	-0.06	-0.38
Bakersfield, CA	CO	Maintenance	100	-	0.25	-0.74	-3.86
Baltimore, MD	CO	Maintenance	100	-	0.01	-0.01	-0.08
Baltimore, MD	Ozone	Moderate	50	-	2.29	-3.78	-23.71
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	2.29	-3.78	-23.71
Baton Rouge, LA	Ozone	Moderate	50	-	0.13	-1.54	-6.51
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	0.09	-0.79	-3.41
Benton County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Benton Harbor, MI	Ozone	Maintenance	100	-	0.03	-0.35	-1.49
Benzie County, MI	Ozone	Maintenance	100	-	0.01	-0.05	-0.23
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.04	-0.31	-1.35
Billings, MT	CO	Maintenance	100	-	-0.00	-0.18	-0.69
Birmingham, AL	Ozone	Maintenance	100	-	0.58	-1.45	-7.91
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.58	-1.45	-7.94
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.04	-0.76	-3.13
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.04	-0.76	-3.13
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.00	-0.05	-0.18
Boston, MA	CO	Maintenance	100	-	0.64	-1.01	-6.43
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	3.92	-6.13	-39.23
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.52	-0.80	-5.13
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.02	-0.05	-0.13

Table B2-31
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Benzene 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.71	-1.58	-8.95
Burlington, NJ	CO	Maintenance	100	-	0.01	-0.01	-0.05
Butte, MT	PM ₁₀	Moderate	100	-	-0.03	-0.09	-0.24
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	-0.05	-0.20
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.12	-0.49	-2.37
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.12	-0.49	-2.37
Case County, MI	Ozone	Maintenance	100	-	0.01	-0.08	-0.37
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.00	-0.02	-0.06
Charleston, WV	Ozone	Maintenance	100	-	0.15	-0.37	-2.04
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.15	-0.37	-2.04
Charlotte, NC	CO	Maintenance	100	-	0.54	-1.03	-6.10
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.97	-2.61	-14.01
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.06	-1.19	-4.91
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.06	-1.09	-4.50
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	5.10	-9.34	-56.34
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	5.22	-9.74	-58.38
Chico, CA	CO	Maintenance	100	-	0.09	-0.18	-1.03
Chico, CA	Ozone	Former Subpart 1	50	-	0.19	-0.39	-2.26
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	1.19	-2.88	-15.91
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	1.17	-2.77	-15.38
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.01	-0.02	-0.10
Clark County, NV	PM ₁₀	Serious	70	-	1.17	-2.16	-13.02
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-0.01	-0.68	-2.61
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.02	-0.40	-1.63
Cleveland, OH	CO	Maintenance	100	-	0.42	-1.38	-7.03
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	1.49	-3.64	-20.06
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	1.37	-3.34	-18.42
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.58	-0.86	-5.63
Colbert County, AL	SO _x	Maintenance	100	-	0.00	-0.13	-0.50
Colorado Springs, CO	CO	Maintenance	100	-	0.26	-1.13	-5.42
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.00	-0.02	-0.06
Columbia, SC	Ozone	Former Subpart 1	50	-	0.10	-1.42	-5.95
Columbus, OH	Ozone	Maintenance	100	-	0.95	-2.78	-14.60

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.92	-2.53	-13.49
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	-0.00	-0.02
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.42	-1.38	-7.03
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.35	-1.14	-5.85
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	4.92	-10.32	-59.53
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.42	-1.25	-6.52
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.38	-1.09	-5.73
Denver Metro, CO	PM ₁₀	Maintenance	100	-	2.39	-3.86	-24.39
Denver-Boulder, CO	CO	Maintenance	100	-	2.28	-3.70	-23.34
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	2.65	-5.04	-30.00
Detroit, MI	CO	Maintenance	100	-	0.71	-2.35	-11.96
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	2.42	-7.27	-37.88
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	2.41	-7.09	-37.09
Door County, WI	Ozone	Former Subpart 1	50	-	0.03	-0.05	-0.30
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.02	-0.05	-0.27
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.02	-0.04	-0.22
Duluth, MN	CO	Maintenance	100	-	0.01	-0.17	-0.71
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.01	-0.04	-0.12
East Chicago, IN	CO	Maintenance	100	-	0.00	-0.00	-0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.13	-0.26	-1.54
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	-0.00	-0.01
El Paso County, TX	PM ₁₀	Moderate	100	-	0.26	-0.80	-4.13
El Paso, TX	CO	Maintenance	100	-	0.02	-0.05	-0.26
Erie, PA	Ozone	Maintenance	100	-	0.13	-0.33	-1.76
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	-0.00	-0.01
Eugene-Springfield, OR	CO	Maintenance	100	-	-0.04	-0.65	-2.36
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-0.04	-0.62	-2.26
Evansville, IN	Ozone	Maintenance	100	-	0.11	-0.42	-2.10
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.11	-0.60	-2.76
Fairbanks, AK	CO	Maintenance	100	-	-0.04	-0.10	-0.27
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.20	-0.40	-2.32
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.02	-0.08
Flint, MI	Ozone	Maintenance	100	-	0.29	-0.76	-4.08
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Fort Collins, CO	CO	Maintenance	100	-	0.09	-0.33	-1.62

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	0.03	-0.84	-3.40
Franklin County, PA	Ozone	Maintenance	100	-	0.04	-0.32	-1.39
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	-0.03	-0.37	-1.33
Fredericksburg, VA	Ozone	Maintenance	100	-	0.25	-0.71	-3.74
Freehold, NJ	CO	Maintenance	100	-	0.01	-0.02	-0.15
Fresno, CA	CO	Maintenance	100	-	0.45	-0.80	-4.89
Grand Rapids, MI	Ozone	Maintenance	100	-	0.44	-1.34	-6.96
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.03	-0.05	-0.29
Grant County, NM	SO _x	Maintenance	100	-	-0.00	-0.01	-0.03
Grants Pass, OR	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.09	-0.35
Great Falls, MT	CO	Maintenance	100	-	0.00	-0.04	-0.16
Greater Connecticut, CT	Ozone	Moderate	50	-	1.09	-2.12	-12.51
Greeley, CO	CO	Maintenance	100	-	0.04	-0.25	-1.14
Green Bay, WI	SO _x	Maintenance	100	-	0.06	-0.20	-1.03
Greene County, IN	Ozone	Maintenance	100	-	0.01	-0.10	-0.43
Greene County, PA	Ozone	Maintenance	100	-	-0.00	-0.11	-0.43
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.93	-2.38	-12.92
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.51	-1.08	-6.20
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.04	-2.04	-8.12
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.01	-0.03	-0.18
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.06	-0.18	-0.94
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.59	-1.20	-6.98
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.53	-1.12	-6.46
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.73	-1.30	-7.92
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.01	-0.01	-0.09
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.03	-0.06	-0.34
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	-0.01	-0.04
Hazelwood, PA	SO _x	Maintenance	100	-	0.02	-0.06	-0.33
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.09	-0.26	-1.37
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.15	-0.44	-2.31
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	-0.00	-0.02
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	2.05	-10.81	-50.30
Humphreys County, TN	SO _x	Maintenance	100	-	-0.00	-0.01	-0.03
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-0.01	-0.71	-2.74

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
		t					
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-0.01	-0.38	-1.45
Huron County, MI	Ozone	Maintenance	100	-	0.00	-0.06	-0.25
Imperial County, CA	Ozone	Moderate	50	-	0.17	-0.32	-1.89
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.16	-0.31	-1.85
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.02	-0.05	-0.26
Indianapolis, IN	CO	Maintenance	100	-	0.00	-0.00	-0.01
Indianapolis, IN	Ozone	Maintenance	100	-	1.07	-3.29	-17.03
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.87	-2.58	-13.47
Jackson County, IN	Ozone	Maintenance	100	-	0.02	-0.16	-0.69
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.08	-0.24	-1.25
Jefferson County, NY	Ozone	Moderate	50	-	0.08	-0.16	-0.96
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.00	-0.02	-0.07
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-0.03	-0.56	-2.06
Johnstown, PA	Ozone	Maintenance	100	-	0.03	-0.17	-0.76
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.02	-0.20	-0.85
Juneau, AK	PM ₁₀	Moderate	100	-	-0.03	-0.08	-0.19
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.20	-0.87	-4.19
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.00	-0.08	-0.31
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.34	-3.64	-15.56
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.12	-0.17	-1.12
Kent, WA	PM ₁₀	Maintenance	100	-	0.01	-0.05	-0.24
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.04	-0.13	-0.67
Kewaunee County, WI	Ozone	Maintenance	100	-	0.01	-0.04	-0.20
King County, WA	PM ₁₀	Maintenance	100	-	0.00	-0.02	-0.09
Klamath Falls, OR	CO	Maintenance	100	-	-0.02	-0.14	-0.49
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.02	-0.14	-0.49
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.28	-2.63	-11.38
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.17	-2.08	-8.79
La Porte County, IN	SO _x	Maintenance	100	-	-0.00	-0.08	-0.31
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.01	-0.05	-0.17
Lake County, IN	SO _x	Maintenance	100	-	0.19	-0.38	-2.25
Lake County, OH	SO _x	Maintenance	100	-	0.02	-0.05	-0.27
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.02	-0.06
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.03	-0.04	-0.28
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.06	-0.09	-0.60
Lake Tahoe, NV	CO	Maintenance	100	-	0.01	-0.02	-0.15

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.01	-0.04	-0.10
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
Lancaster, PA	Ozone	Maintenance	100	-	0.33	-0.58	-3.54
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.33	-0.58	-3.54
Lane County, OR	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.31	-0.64	-3.74
LaPorte, IN	Ozone	Maintenance	100	-	-0.00	-0.22	-0.86
Las Vegas, NV	CO	Serious	100	-	1.17	-2.16	-13.02
Las Vegas, NV	Ozone	Former Subpart 1	50	-	1.19	-2.19	-13.18
Lauderdale County, AL	SO _x	Maintenance	100	-	0.05	-0.11	-0.65
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.02
Libby, MT	PM ₁₀	Moderate	100	-	0.00	-0.01	-0.04
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	-0.01	-0.05
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.01	-0.02	-0.10
Lima, OH	Ozone	Maintenance	100	-	-0.00	-0.26	-1.00
Longmont, CO	CO	Maintenance	100	-	0.08	-0.11	-0.76
Lorain County, OH	SO _x	Maintenance	100	-	0.03	-0.07	-0.37
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	11.36	-20.62	-124.81
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	11.36	-20.62	-124.81
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	11.36	-20.62	-124.81
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	11.36	-20.62	-124.81
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	11.36	-20.62	-124.80
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.53	-0.93	-5.69
Louisville, KY-IN	Ozone	Maintenance	100	-	0.64	-1.63	-8.87
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.60	-1.58	-8.53
Lowell, MA	CO	Maintenance	100	-	0.09	-0.14	-0.90
Lucas County, OH	SO _x	Maintenance	100	-	0.15	-0.43	-2.27
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.04	-0.08	-0.46
Macon, GA	Ozone	Maintenance	100	-	0.00	-0.47	-1.84
Macon, GA	PM _{2.5}	Nonattainment	100	-	-0.00	-0.46	-1.82
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	-0.00	-0.02
Madison, WI	SO _x	Maintenance	100	-	0.15	-0.41	-2.17
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.01	-0.02	-0.10
Manchester, NH	CO	Maintenance	100	-	0.06	-0.08	-0.54
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.07	-0.13	-0.76

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Marion County, IN	SO _x	Maintenance	100	-	0.10	-0.55	-2.55
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.09	-0.17	-1.01
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.07	-0.66	-2.86
Mason County, MI	Ozone	Maintenance	100	-	0.01	-0.05	-0.23
Medford, OR	CO	Maintenance	100	-	0.06	-0.12	-0.68
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.14	-0.28	-1.63
Memphis, TN-AR	Ozone	Maintenance	100	-	0.41	-1.63	-7.97
Memphis, TN	CO	Maintenance	100	-	0.50	-1.31	-7.05
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.02	-0.05	-0.26
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	-0.01	-0.04
Milwaukee, WI	SO _x	Maintenance	100	-	0.28	-0.76	-4.08
Milwaukee-Racine, WI	Ozone	Moderate	50	-	1.10	-2.57	-14.35
Minneapolis-St Paul, MN	CO	Maintenance	100	-	1.15	-5.34	-25.38
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	1.12	-5.19	-24.66
Missoula, MT	CO	Maintenance	100	-	-0.03	-0.21	-0.68
Missoula, MT	PM ₁₀	Moderate	100	-	-0.03	-0.20	-0.66
Modesto, CA	CO	Maintenance	100	-	0.22	-0.50	-2.80
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.08	-0.16	-0.93
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	-0.00	-0.03
Morristown, NJ	CO	Maintenance	100	-	0.03	-0.04	-0.28
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	-0.06	-0.25
Muncie, IN	Ozone	Maintenance	100	-	-0.05	-0.33	-1.11
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	-0.01	-0.04
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	-0.03	-0.14
Muskegon, MI	Ozone	Maintenance	100	-	0.04	-0.25	-1.14
Nashua, NH	CO	Maintenance	100	-	0.05	-0.07	-0.43
Nashville, TN	Ozone	Former Subpart 1	50	-	1.03	-2.48	-13.70
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.13	-0.21	-1.33
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.10	-0.20	-1.18
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.51	-1.01	-5.94
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.00	-0.02	-0.05
New York County, NY	PM ₁₀	Moderate	100	-	-5.17	-9.39	-16.70
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-5.44	-27.34	-85.99
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-0.54	-36.70	-141.63
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-0.49	-36.30	-140.27
Nogales, AZ	PM ₁₀	Moderate	100	-	0.03	-0.06	-0.33

Table B2-31
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Benzene 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	1.00	-2.15	-12.30
Ogden, UT	CO	Maintenance	100	-	0.04	-0.10	-0.54
Ogden, UT	PM ₁₀	Moderate	100	-	0.04	-0.10	-0.54
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.02
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.01	-0.03	-0.16
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.05	-0.19	-0.97
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	-0.01	-0.04
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.03	-0.29	-1.25
Parkersburg-Marietta, WV-OH	PM _{2,5}	Nonattainment	100	-	0.03	-0.29	-1.25
Payson, AZ	PM ₁₀	Maintenance	100	-	0.01	-0.03	-0.16
Penns Grove, NJ	CO	Maintenance	100	-	0.00	-0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.07	-0.12	-0.73
Perth Amboy, NJ	CO	Maintenance	100	-	0.07	-0.11	-0.68
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.25	-0.46	-2.77
Phildelphia-Wilmington, PA-NY-DE	PM _{2,5}	Nonattainment	100	-	2.37	-6.70	-35.45
Phildelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	3.85	-9.36	-51.57
Phoenix, AZ	CO	Maintenance	100	-	4.23	-6.90	-43.45
Phoenix, AZ	PM ₁₀	Serious	70	-	4.34	-7.10	-44.66
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	4.36	-7.12	-44.79
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	-0.02	-0.08
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Pittsburgh, PA	CO	Maintenance	100	-	0.01	-0.04	-0.22
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.96	-3.11	-15.90
Pittsburgh-Beaver Valley, PA	PM _{2,5}	Nonattainment	100	-	0.93	-2.75	-14.39
Polk County, TN	SO _x	Maintenance	100	-	0.00	-0.05	-0.19
Polson, MT	PM ₁₀	Moderate	100	-	0.00	-0.01	-0.03
Portland, ME	Ozone	Maintenance	100	-	0.40	-0.71	-4.34
Portland, OR	CO	Maintenance	100	-	0.64	-1.74	-9.30
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.01	-0.12	-0.43
Poughkeepsie, NY	Ozone	Moderate	50	-	0.96	-2.05	-11.76
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	-0.02	-0.08
Providence (entire State), RI	Ozone	Moderate	50	-	0.55	-1.54	-8.18
Provo, UT	CO	Maintenance	100	-	0.10	-0.27	-1.44
Raleigh-Durham, NC	CO	Maintenance	100	-	0.96	-1.83	-10.89
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	1.27	-2.54	-14.88
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.02
Reading, PA	Ozone	Maintenance	100	-	0.19	-0.48	-2.64

Table B2-31
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Benzene 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.19	-0.48	-2.64
Reno, NV	CO	Maintenance	100	-	0.18	-0.31	-1.89
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	-0.00	-0.01
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.79	-1.67	-9.61
Rillito, AZ	PM ₁₀	Moderate	100	-	0.04	-0.07	-0.43
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.58	-0.86	-5.63
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.11	-0.44	-2.13
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.04	-0.14	-0.70
Rochester, NY	Ozone	Former Subpart 1	50	-	0.85	-1.84	-10.47
Rocky Mount, NC	Ozone	Maintenance	100	-	0.07	-0.32	-1.52
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.02	-0.25	-1.07
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	-0.01	-0.02
Sacramento County, CA	PM ₁₀	Moderate	100	-	1.25	-2.10	-13.07
Sacramento Metro, CA	Ozone	Severe	25	-	2.20	-4.01	-24.21
Sacramento, CA	CO	Maintenance	100	-	1.41	-2.36	-14.69
Salem, OR	CO	Maintenance	100	-	0.07	-0.20	-1.04
Salt Lake City, UT	CO	Maintenance	100	-	0.14	-0.31	-1.74
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.66	-1.49	-8.40
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.66	-1.49	-8.40
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.61	-3.69	-16.84
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.34	-0.55	-3.50
San Diego, CA	CO	Maintenance	100	-	3.52	-5.51	-35.22
San Diego, CA	Ozone	Former Subpart 1	50	-	3.53	-5.52	-35.29
San Francisco Bay Area, CA	Ozone	Marginal	50	-	4.85	-8.74	-53.02
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	5.52	-9.77	-59.64
San Joaquin Valley, CA	Ozone	Extreme	10	-	3.28	-7.11	-40.57
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	3.29	-7.14	-40.70
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	3.28	-7.11	-40.57
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.02	-0.05	-0.29
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.36	-1.03	-5.40
Seattle-Tacoma, WA	CO	Maintenance	100	-	1.14	-5.73	-26.89
Sheboygan, WI	Ozone	Moderate	50	-	0.06	-0.19	-1.00
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.02	-0.08	-0.24
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00

Table B2-31
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Benzene 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Somerville, NJ	CO	Maintenance	100	-	0.01	-0.02	-0.14
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.22	-0.73	-3.71
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.10	-0.20	-1.16
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.10	-0.59	-2.70
Spokane, WA	CO	Maintenance	100	-	0.10	-0.59	-2.67
Springfield (western MA), MA	Ozone	Moderate	50	-	0.67	-1.06	-6.74
Springfield, MA	CO	Maintenance	100	-	0.11	-0.18	-1.13
St Louis, MO	CO	Maintenance	100	-	0.28	-1.52	-7.02
St Louis, MO-IL	Ozone	Moderate	50	-	1.47	-4.48	-23.26
St. Louis, MO-IL	PM _{2,5}	Nonattainment	100	-	1.45	-4.46	-23.12
State College, PA	Ozone	Maintenance	100	-	0.13	-0.22	-1.38
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.01	-0.04	-0.18
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.01	-0.12	-0.41
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.02	-0.25	-0.89
Steubenville-Weirton, OH-WV	PM _{2,5}	Nonattainment	100	-	-0.02	-0.25	-0.89
Stockton, CA	CO	Maintenance	100	-	0.36	-0.71	-4.16
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.16	-0.93	-4.27
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.02
Terre Haute, IN	Ozone	Maintenance	100	-	-0.01	-0.31	-1.16
Tioga County, PA	Ozone	Maintenance	100	-	0.03	-0.07	-0.42
Toledo, OH	Ozone	Maintenance	100	-	0.30	-0.79	-4.25
Toms River, NJ	CO	Maintenance	100	-	0.08	-0.13	-0.83
Tooele County, UT	SO _x	Nonattainment	100	-	0.01	-0.24	-0.97
Trenton, NJ	CO	Maintenance	100	-	0.07	-0.11	-0.69
Trona, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.03
Tucson, AZ	CO	Maintenance	100	-	0.71	-1.42	-8.30
Utah County, UT	PM ₁₀	Moderate	100	-	0.29	-0.78	-4.18
Vancouver, WA	CO	Maintenance	100	-	0.19	-0.52	-2.79
Ventura County, CA	Ozone	Serious	50	-	0.71	-1.14	-7.20
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.08
Vigo County, IN	SO _x	Maintenance	100	-	-0.01	-0.31	-1.16
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.04	-0.07	-0.42
Warren County, NJ	SO _x	Maintenance	100	-	0.03	-0.04	-0.28
Warren County, PA	SO _x	Nonattainment	100	-	0.01	-0.02	-0.10
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.04	-0.44	-1.88
Washington, DC-MD-VA	CO	Maintenance	100	-	1.18	-1.95	-12.20

Table B2-31
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative Benzene 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	4.16	-7.06	-43.79
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	4.10	-6.85	-42.74
Washoe County, NV	PM ₁₀	Serious	70	-	0.18	-0.31	-1.89
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.00	-0.01	-0.04
Wayne County, IN	SO _x	Maintenance	100	-	0.00	-0.15	-0.60
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.04	-0.15	-0.71
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.02	-0.08
Weirton, WV	SO _x	Maintenance	100	-	-0.00	-0.03	-0.11
Wheeling, WV-OH	Ozone	Maintenance	100	-	-0.01	-0.34	-1.30
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.01	-0.34	-1.30
Winston-Salem, NC	CO	Maintenance	100	-	0.22	-0.65	-3.39
Worcester, MA	CO	Maintenance	100	-	0.18	-0.28	-1.77
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.01	-0.21	-0.88
Yakima, WA	CO	Maintenance	100	-	0.00	-0.10	-0.39
York, PA	Ozone	Maintenance	100	-	0.26	-0.70	-3.73
York, PA	PM _{2.5}	Nonattainment	100	-	0.21	-0.52	-2.85
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.32	-0.90	-4.79
Yuma, AZ	PM ₁₀	Moderate	100	-	0.13	-0.29	-1.61

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

Table B2-32
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Benzene 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.02
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.01	-0.00	-0.04
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.01	-0.01	-0.05
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.68	-3.93	-17.17
Albuquerque, NM	CO	Maintenance	100	-	0.96	-0.91	-6.53
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.23	-0.31	-1.92
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	1.15	-0.70	-6.36
Altoona, PA	Ozone	Maintenance	100	-	0.11	-0.18	-1.04
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.50	-0.21	-2.41
Anchorage, AK	CO	Maintenance	100	-	-0.22	-0.88	-2.64
Anthony, NM	PM ₁₀	Moderate	100	-	0.01	-0.02	-0.09
Armstrong County, PA	SO _x	Nonattainment	100	-	0.01	-0.00	-0.05
Aspen, CO	PM ₁₀	Maintenance	100	-	0.01	-0.02	-0.09
Atlanta, GA	Ozone	Moderate	50	-	13.52	-9.48	-79.53
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	13.52	-9.48	-79.55
Atlantic City, NJ	CO	Maintenance	100	-	0.10	-0.05	-0.50
Bakersfield, CA	CO	Maintenance	100	-	0.86	-0.70	-5.45
Baltimore, MD	CO	Maintenance	100	-	0.02	-0.01	-0.10
Baltimore, MD	Ozone	Moderate	50	-	6.52	-3.16	-33.00
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	6.52	-3.16	-32.99
Baton Rouge, LA	Ozone	Moderate	50	-	0.73	-1.71	-8.88
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	0.35	-0.90	-4.56
Benton County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Benton Harbor, MI	Ozone	Maintenance	100	-	0.12	-0.40	-1.91
Benzie County, MI	Ozone	Maintenance	100	-	0.04	-0.06	-0.34
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.19	-0.34	-1.88
Billings, MT	CO	Maintenance	100	-	0.05	-0.21	-0.94
Birmingham, AL	Ozone	Maintenance	100	-	1.65	-1.37	-10.49
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	1.65	-1.37	-10.54
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.35	-0.85	-4.37
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.35	-0.85	-4.37
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.01	-0.06	-0.27
Boston, MA	CO	Maintenance	100	-	1.73	-0.81	-8.65
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	10.80	-4.93	-53.47
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	1.45	-0.65	-7.12
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.03	-0.08	-0.19

Table B2-32
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Benzene 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	2.01	-1.44	-11.94
Burlington, NJ	CO	Maintenance	100	-	0.01	-0.00	-0.05
Butte, MT	PM ₁₀	Moderate	100	-	-0.05	-0.12	-0.32
Canon City, CO	PM ₁₀	Maintenance	100	-	0.02	-0.06	-0.30
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.37	-0.50	-3.11
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.37	-0.50	-3.11
Case County, MI	Ozone	Maintenance	100	-	0.05	-0.09	-0.49
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.00	-0.02	-0.07
Charleston, WV	Ozone	Maintenance	100	-	0.41	-0.33	-2.59
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.41	-0.33	-2.59
Charlotte, NC	CO	Maintenance	100	-	1.62	-0.90	-8.65
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	3.15	-2.49	-19.62
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.44	-1.36	-6.59
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.42	-1.24	-6.08
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	14.64	-8.15	-78.07
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	15.03	-8.56	-80.88
Chico, CA	CO	Maintenance	100	-	0.29	-0.18	-1.62
Chico, CA	Ozone	Former Subpart 1	50	-	0.61	-0.37	-3.38
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	3.55	-2.70	-21.69
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	3.47	-2.57	-20.94
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.01	-0.02	-0.12
Clark County, NV	PM ₁₀	Serious	70	-	3.65	-1.94	-19.11
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.17	-0.82	-3.68
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.12	-0.48	-2.21
Cleveland, OH	CO	Maintenance	100	-	1.15	-1.35	-8.86
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	4.25	-3.41	-26.65
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	3.88	-3.13	-24.38
Coachella Valley, CA	PM ₁₀	Serious	70	-	1.79	-0.73	-8.52
Colbert County, AL	SO _x	Maintenance	100	-	0.03	-0.15	-0.65
Colorado Springs, CO	CO	Maintenance	100	-	0.99	-1.21	-7.79
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	-0.02	-0.08
Columbia, SC	Ozone	Former Subpart 1	50	-	0.62	-1.63	-8.21
Columbus, OH	Ozone	Maintenance	100	-	3.15	-2.78	-20.72

Table B2-32
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Benzene 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Columbus, OH	PM _{2.5}	Nonattainment	100	-	3.00	-2.50	-19.18
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	-0.00	-0.02
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	1.15	-1.35	-8.86
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.92	-1.27	-7.78
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	15.37	-9.48	-85.48
Dayton-Springfield, OH	Ozone	Maintenance	100	-	1.22	-1.21	-8.54
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	1.08	-1.06	-7.49
Denver Metro, CO	PM ₁₀	Maintenance	100	-	6.99	-3.23	-34.73
Denver-Boulder, CO	CO	Maintenance	100	-	6.66	-3.10	-33.22
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	8.00	-4.47	-42.72
Detroit, MI	CO	Maintenance	100	-	1.54	-2.45	-14.29
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	7.40	-7.30	-51.58
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	7.32	-7.08	-50.50
Door County, WI	Ozone	Former Subpart 1	50	-	0.08	-0.04	-0.42
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.06	-0.04	-0.35
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.05	-0.03	-0.29
Duluth, MN	CO	Maintenance	100	-	0.05	-0.21	-0.94
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.01	-0.06	-0.17
East Chicago, IN	CO	Maintenance	100	-	0.00	-0.00	-0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.36	-0.22	-2.01
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	-0.00	-0.01
El Paso County, TX	PM ₁₀	Moderate	100	-	0.85	-0.78	-5.69
El Paso, TX	CO	Maintenance	100	-	0.05	-0.05	-0.34
Erie, PA	Ozone	Maintenance	100	-	0.35	-0.31	-2.32
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	-0.00	-0.02
Eugene-Springfield, OR	CO	Maintenance	100	-	0.07	-0.81	-3.31
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.07	-0.77	-3.18
Evansville, IN	Ozone	Maintenance	100	-	0.36	-0.43	-2.82
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.39	-0.64	-3.68
Fairbanks, AK	CO	Maintenance	100	-	-0.05	-0.14	-0.38
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.55	-0.36	-3.16
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.01	-0.02	-0.11
Flint, MI	Ozone	Maintenance	100	-	0.83	-0.73	-5.43
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Fort Collins, CO	CO	Maintenance	100	-	0.33	-0.34	-2.33

Table B2-32
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Benzene 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	0.28	-0.98	-4.66
Franklin County, PA	Ozone	Maintenance	100	-	0.18	-0.35	-1.92
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.03	-0.45	-1.81
Fredericksburg, VA	Ozone	Maintenance	100	-	0.86	-0.71	-5.45
Freehold, NJ	CO	Maintenance	100	-	0.05	-0.02	-0.24
Fresno, CA	CO	Maintenance	100	-	1.35	-0.68	-6.92
Grand Rapids, MI	Ozone	Maintenance	100	-	1.44	-1.34	-9.76
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.07	-0.04	-0.36
Grant County, NM	SO _x	Maintenance	100	-	-0.00	-0.01	-0.03
Grants Pass, OR	CO	Maintenance	100	-	0.00	-0.00	-0.01
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.02	-0.11	-0.51
Great Falls, MT	CO	Maintenance	100	-	0.01	-0.05	-0.20
Greater Connecticut, CT	Ozone	Moderate	50	-	2.99	-1.83	-16.59
Greeley, CO	CO	Maintenance	100	-	0.17	-0.27	-1.59
Green Bay, WI	SO _x	Maintenance	100	-	0.21	-0.19	-1.40
Greene County, IN	Ozone	Maintenance	100	-	0.05	-0.12	-0.60
Greene County, PA	Ozone	Maintenance	100	-	0.01	-0.14	-0.57
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	2.76	-2.22	-17.33
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	1.43	-0.96	-8.24
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.60	-2.31	-10.73
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.04	-0.03	-0.24
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.19	-0.18	-1.29
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	1.74	-1.08	-9.74
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	1.59	-1.02	-9.00
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	1.94	-1.07	-10.34
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.02	-0.01	-0.12
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.09	-0.06	-0.50
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.01	-0.01	-0.05
Hazelwood, PA	SO _x	Maintenance	100	-	0.06	-0.07	-0.46
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.27	-0.24	-1.78
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.45	-0.43	-3.07
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	-0.00	-0.02
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	8.17	-11.46	-69.94
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	-0.01	-0.04
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.11	-0.86	-3.63

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
		t					
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.03	-0.47	-1.88
Huron County, MI	Ozone	Maintenance	100	-	0.02	-0.07	-0.33
Imperial County, CA	Ozone	Moderate	50	-	0.52	-0.28	-2.76
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.51	-0.28	-2.70
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.05	-0.04	-0.34
Indianapolis, IN	CO	Maintenance	100	-	0.00	-0.00	-0.01
Indianapolis, IN	Ozone	Maintenance	100	-	3.46	-3.31	-23.73
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	2.80	-2.57	-18.80
Jackson County, IN	Ozone	Maintenance	100	-	0.08	-0.18	-0.93
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.23	-0.24	-1.67
Jefferson County, NY	Ozone	Moderate	50	-	0.23	-0.14	-1.28
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.00	-0.03	-0.09
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.04	-0.69	-2.76
Johnstown, PA	Ozone	Maintenance	100	-	0.07	-0.18	-0.91
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.06	-0.22	-1.03
Juneau, AK	PM ₁₀	Moderate	100	-	-0.05	-0.11	-0.28
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.66	-0.92	-5.63
Kalispell, MT	PM ₁₀	Moderate	100	-	0.02	-0.10	-0.44
Kansas City, MO-KS	Ozone	Maintenance	100	-	1.83	-4.17	-21.80
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.34	-0.13	-1.57
Kent, WA	PM ₁₀	Maintenance	100	-	0.04	-0.06	-0.35
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.14	-0.11	-0.88
Kewaunee County, WI	Ozone	Maintenance	100	-	0.04	-0.04	-0.26
King County, WA	PM ₁₀	Maintenance	100	-	0.01	-0.02	-0.13
Klamath Falls, OR	CO	Maintenance	100	-	-0.01	-0.18	-0.67
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.01	-0.18	-0.67
Knoxville, TN	Ozone	Former Subpart 1	50	-	1.53	-2.95	-16.16
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	1.06	-2.35	-12.37
La Porte County, IN	SO _x	Maintenance	100	-	0.01	-0.09	-0.40
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.01	-0.07	-0.23
Lake County, IN	SO _x	Maintenance	100	-	0.52	-0.32	-2.89
Lake County, OH	SO _x	Maintenance	100	-	0.06	-0.04	-0.36
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.01	-0.03	-0.09
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.09	-0.04	-0.43
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.21	-0.09	-0.99
Lake Tahoe, NV	CO	Maintenance	100	-	0.04	-0.02	-0.20

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Benzene 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.03	-0.07	-0.17
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
Lancaster, PA	Ozone	Maintenance	100	-	0.93	-0.49	-4.85
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.93	-0.49	-4.85
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.89	-0.58	-5.06
LaPorte, IN	Ozone	Maintenance	100	-	0.04	-0.26	-1.11
Las Vegas, NV	CO	Serious	100	-	3.65	-1.94	-19.11
Las Vegas, NV	Ozone	Former Subpart 1	50	-	3.69	-1.96	-19.31
Lauderdale County, AL	SO _x	Maintenance	100	-	0.15	-0.10	-0.84
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	-0.00	-0.02
Libby, MT	PM ₁₀	Moderate	100	-	0.00	-0.01	-0.05
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	-0.01	-0.06
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.01	-0.02	-0.12
Lima, OH	Ozone	Maintenance	100	-	0.05	-0.31	-1.34
Longmont, CO	CO	Maintenance	100	-	0.24	-0.09	-1.12
Lorain County, OH	SO _x	Maintenance	100	-	0.08	-0.06	-0.50
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	33.34	-18.18	-176.34
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	33.34	-18.18	-176.34
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	33.34	-18.18	-176.34
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	33.34	-18.18	-176.34
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	33.34	-18.18	-176.33
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	1.55	-0.82	-8.11
Louisville, KY-IN	Ozone	Maintenance	100	-	1.86	-1.52	-11.79
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	1.74	-1.49	-11.26
Lowell, MA	CO	Maintenance	100	-	0.26	-0.12	-1.29
Lucas County, OH	SO _x	Maintenance	100	-	0.41	-0.43	-2.95
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.10	-0.07	-0.59
Macon, GA	Ozone	Maintenance	100	-	0.09	-0.55	-2.38
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.08	-0.55	-2.35
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	-0.00	-0.03
Madison, WI	SO _x	Maintenance	100	-	0.50	-0.40	-3.16
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.03	-0.02	-0.16
Manchester, NH	CO	Maintenance	100	-	0.14	-0.06	-0.66
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.18	-0.11	-1.00

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Marion County, IN	SO _x	Maintenance	100	-	0.35	-0.58	-3.33
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.30	-0.15	-1.53
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.35	-0.72	-3.88
Mason County, MI	Ozone	Maintenance	100	-	0.04	-0.05	-0.31
Medford, OR	CO	Maintenance	100	-	0.18	-0.11	-1.00
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.44	-0.26	-2.42
Memphis, TN-AR	Ozone	Maintenance	100	-	1.25	-1.68	-10.42
Memphis, TN	CO	Maintenance	100	-	1.40	-1.24	-9.22
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.06	-0.04	-0.37
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.01	-0.01	-0.05
Milwaukee, WI	SO _x	Maintenance	100	-	0.80	-0.74	-5.40
Milwaukee-Racine, WI	Ozone	Moderate	50	-	3.26	-2.41	-19.65
Minneapolis-St Paul, MN	CO	Maintenance	100	-	4.24	-5.70	-35.36
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	4.11	-5.55	-34.33
Missoula, MT	CO	Maintenance	100	-	-0.02	-0.26	-0.94
Missoula, MT	PM ₁₀	Moderate	100	-	-0.02	-0.26	-0.91
Modesto, CA	CO	Maintenance	100	-	0.70	-0.50	-4.14
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.26	-0.15	-1.40
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.02
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.01	-0.00	-0.03
Morristown, NJ	CO	Maintenance	100	-	0.08	-0.04	-0.42
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.01	-0.08	-0.34
Muncie, IN	Ozone	Maintenance	100	-	-0.07	-0.43	-1.44
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	-0.02	-0.07
Muscatine County, IA	SO _x	Maintenance	100	-	0.01	-0.04	-0.20
Muskegon, MI	Ozone	Maintenance	100	-	0.15	-0.28	-1.57
Nashua, NH	CO	Maintenance	100	-	0.11	-0.05	-0.54
Nashville, TN	Ozone	Former Subpart 1	50	-	3.20	-2.34	-19.18
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.42	-0.20	-2.09
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.31	-0.19	-1.74
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	1.40	-0.87	-7.80
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.00	-0.03	-0.08
New York County, NY	PM ₁₀	Moderate	100	-	-9.81	-14.42	-23.52
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-6.18	-36.02	-117.58
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	7.81	-44.25	-193.88
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	7.80	-43.75	-191.96
Nogales, AZ	PM ₁₀	Moderate	100	-	0.08	-0.05	-0.46

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	2.84	-1.95	-16.54
Ogden, UT	CO	Maintenance	100	-	0.12	-0.09	-0.71
Ogden, UT	PM ₁₀	Moderate	100	-	0.12	-0.09	-0.71
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.02
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.03	-0.03	-0.20
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.20	-0.20	-1.39
Owens Valley, CA	PM ₁₀	Serious	70	-	0.01	-0.01	-0.07
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.12	-0.33	-1.66
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.12	-0.34	-1.68
Payson, AZ	PM ₁₀	Maintenance	100	-	0.04	-0.03	-0.23
Penns Grove, NJ	CO	Maintenance	100	-	0.00	-0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.18	-0.10	-0.94
Perth Amboy, NJ	CO	Maintenance	100	-	0.21	-0.10	-1.04
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.65	-0.36	-3.47
Phildelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	7.03	-6.55	-47.56
Phildelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	11.18	-8.78	-69.37
Phoenix, AZ	CO	Maintenance	100	-	13.59	-6.18	-67.18
Phoenix, AZ	PM ₁₀	Serious	70	-	13.92	-6.35	-68.91
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	13.96	-6.37	-69.08
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.01	-0.02	-0.10
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Pittsburgh, PA	CO	Maintenance	100	-	0.05	-0.06	-0.37
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	2.85	-3.12	-21.03
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	2.70	-2.72	-19.02
Polk County, TN	SO _x	Maintenance	100	-	0.02	-0.05	-0.25
Polson, MT	PM ₁₀	Moderate	100	-	0.00	-0.01	-0.04
Portland, ME	Ozone	Maintenance	100	-	1.12	-0.60	-5.88
Portland, OR	CO	Maintenance	100	-	1.94	-1.64	-12.48
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.00	-0.16	-0.58
Poughkeepsie, NY	Ozone	Moderate	50	-	3.00	-1.95	-17.05
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.01	-0.02	-0.10
Providence (entire State), RI	Ozone	Moderate	50	-	1.71	-1.54	-11.35
Provo, UT	CO	Maintenance	100	-	0.34	-0.26	-2.07
Raleigh-Durham, NC	CO	Maintenance	100	-	2.92	-1.61	-15.51
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	3.89	-2.27	-21.15
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.02
Reading, PA	Ozone	Maintenance	100	-	0.57	-0.45	-3.55

Table B2-32
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Benzene 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.57	-0.45	-3.55
Reno, NV	CO	Maintenance	100	-	0.50	-0.25	-2.56
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	-0.00	-0.02
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	2.27	-1.48	-12.95
Rillito, AZ	PM ₁₀	Moderate	100	-	0.12	-0.07	-0.65
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	1.79	-0.73	-8.52
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.35	-0.44	-2.80
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.13	-0.14	-0.96
Rochester, NY	Ozone	Former Subpart 1	50	-	2.40	-1.68	-14.11
Rocky Mount, NC	Ozone	Maintenance	100	-	0.23	-0.34	-2.01
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.10	-0.29	-1.44
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.02
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	-0.01	-0.03
Sacramento County, CA	PM ₁₀	Moderate	100	-	3.85	-1.88	-19.51
Sacramento Metro, CA	Ozone	Severe	25	-	6.98	-3.69	-36.50
Sacramento, CA	CO	Maintenance	100	-	4.34	-2.10	-21.94
Salem, OR	CO	Maintenance	100	-	0.21	-0.19	-1.38
Salt Lake City, UT	CO	Maintenance	100	-	0.42	-0.28	-2.43
Salt Lake County, UT	PM ₁₀	Moderate	100	-	2.00	-1.36	-11.60
Salt Lake County, UT	SO _x	Nonattainment	100	-	2.00	-1.36	-11.60
San Antonio, TX	Ozone	Former Subpart 1	50	-	2.64	-3.93	-23.43
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.98	-0.45	-4.86
San Diego, CA	CO	Maintenance	100	-	10.56	-4.69	-51.76
San Diego, CA	Ozone	Former Subpart 1	50	-	10.58	-4.70	-51.86
San Francisco Bay Area, CA	Ozone	Marginal	50	-	14.47	-7.65	-75.63
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	16.32	-8.47	-84.67
San Joaquin Valley, CA	Ozone	Extreme	10	-	10.65	-6.77	-59.99
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	10.67	-6.79	-60.12
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	10.65	-6.77	-59.99
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.08	-0.04	-0.42
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	1.07	-1.02	-7.30
Seattle-Tacoma, WA	CO	Maintenance	100	-	4.49	-6.11	-37.72
Sheboygan, WI	Ozone	Moderate	50	-	0.20	-0.19	-1.38
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.01	-0.10	-0.32
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00

Table B2-32
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Benzene 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Somerville, NJ	CO	Maintenance	100	-	0.04	-0.02	-0.19
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.69	-0.74	-5.00
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.22	-0.14	-1.26
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.42	-0.64	-3.76
Spokane, WA	CO	Maintenance	100	-	0.41	-0.63	-3.72
Springfield (western MA), MA	Ozone	Moderate	50	-	1.80	-0.85	-9.05
Springfield, MA	CO	Maintenance	100	-	0.32	-0.15	-1.59
St Louis, MO	CO	Maintenance	100	-	0.79	-1.64	-8.78
St Louis, MO-IL	Ozone	Moderate	50	-	4.30	-4.40	-30.59
St. Louis, MO-IL	PM _{2,5}	Nonattainment	100	-	4.26	-4.38	-30.40
State College, PA	Ozone	Maintenance	100	-	0.38	-0.19	-1.94
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.04	-0.04	-0.28
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.02	-0.16	-0.54
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.02	-0.32	-1.16
Steubenville-Weirton, OH-WV	PM _{2,5}	Nonattainment	100	-	-0.02	-0.32	-1.16
Stockton, CA	CO	Maintenance	100	-	1.15	-0.69	-6.32
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.56	-1.02	-5.67
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.03
Terre Haute, IN	Ozone	Maintenance	100	-	0.02	-0.37	-1.49
Tioga County, PA	Ozone	Maintenance	100	-	0.09	-0.06	-0.53
Toledo, OH	Ozone	Maintenance	100	-	0.84	-0.76	-5.58
Toms River, NJ	CO	Maintenance	100	-	0.25	-0.11	-1.23
Tooele County, UT	SO _x	Nonattainment	100	-	0.09	-0.27	-1.33
Trenton, NJ	CO	Maintenance	100	-	0.18	-0.09	-0.95
Trona, CA	PM ₁₀	Moderate	100	-	0.01	-0.00	-0.04
Tucson, AZ	CO	Maintenance	100	-	2.16	-1.28	-11.79
Utah County, UT	PM ₁₀	Moderate	100	-	0.96	-0.74	-5.92
Vancouver, WA	CO	Maintenance	100	-	0.65	-0.51	-4.05
Ventura County, CA	Ozone	Serious	50	-	2.14	-0.99	-10.64
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.01	-0.03	-0.10
Vigo County, IN	SO _x	Maintenance	100	-	0.02	-0.37	-1.49
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.11	-0.05	-0.57
Warren County, NJ	SO _x	Maintenance	100	-	0.08	-0.04	-0.38
Warren County, PA	SO _x	Nonattainment	100	-	0.02	-0.02	-0.13
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.21	-0.48	-2.51
Washington, DC-MD-VA	CO	Maintenance	100	-	3.37	-1.69	-17.29

Table B2-32
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative Benzene 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	12.18	-5.96	-61.79
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	11.96	-5.74	-60.25
Washoe County, NV	PM ₁₀	Serious	70	-	0.50	-0.25	-2.56
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	-0.01	-0.05
Wayne County, IN	SO _x	Maintenance	100	-	0.02	-0.19	-0.78
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.10	-0.32	-1.55
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.03	-0.09
Weirton, WV	SO _x	Maintenance	100	-	-0.01	-0.04	-0.13
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.02	-0.42	-1.67
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.02	-0.42	-1.67
Winston-Salem, NC	CO	Maintenance	100	-	0.69	-0.63	-4.63
Worcester, MA	CO	Maintenance	100	-	0.52	-0.23	-2.56
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.08	-0.24	-1.20
Yakima, WA	CO	Maintenance	100	-	0.04	-0.12	-0.59
York, PA	Ozone	Maintenance	100	-	0.81	-0.68	-5.18
York, PA	PM _{2.5}	Nonattainment	100	-	0.66	-0.48	-3.95
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.87	-0.86	-6.09
Yuma, AZ	PM ₁₀	Moderate	100	-	0.41	-0.27	-2.32

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

Table B2-33
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Butadiene 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.02	0.02	0.04
Albuquerque, NM	CO	Maintenance	100	-	0.01	0.01	0.02
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.01	0.01	0.02
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Anchorage, AK	CO	Maintenance	100	-	0.00	0.00	0.00
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	0.08	0.10	0.18
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.08	0.10	0.18
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Bakersfield, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.00
Baltimore, MD	Ozone	Moderate	50	-	0.04	0.05	0.08
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.04	0.05	0.08
Baton Rouge, LA	Ozone	Moderate	50	-	-0.02	-0.02	-0.05
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.08	-0.12	-0.23
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.00	0.00
Billings, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Birmingham, AL	Ozone	Maintenance	100	-	0.01	0.02	0.03
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.03
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.00	0.00	0.01
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Boston, MA	CO	Maintenance	100	-	0.01	0.01	0.02
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.06	0.08	0.14
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.01	0.01	0.02
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.00

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Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Butadiene 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.01	0.02	0.03
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.00	0.00	0.01
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.00	0.00	0.01
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Charlotte, NC	CO	Maintenance	100	-	0.01	0.01	0.02
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.02	0.02	0.04
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.02
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.01
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.08	0.11	0.19
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.09	0.11	0.20
Chico, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Chico, CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.02	0.03	0.05
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.05
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.02	0.02	0.04
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.00	0.00	0.01
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Cleveland, OH	CO	Maintenance	100	-	0.01	0.01	0.03
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.03	0.04	0.07
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.03	0.04	0.07
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.01	0.01	0.02
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Colorado Springs, CO	CO	Maintenance	100	-	0.01	0.01	0.02
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.01	0.01	0.02
Columbus, OH	Ozone	Maintenance	100	-	0.02	0.03	0.05

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Butadiene 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.02	0.02	0.04
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.01	0.01	0.03
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.01	0.01	0.02
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.08	0.10	0.19
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.01	0.01	0.02
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.02
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.04	0.04	0.08
Denver-Boulder, CO	CO	Maintenance	100	-	0.03	0.04	0.08
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.04	0.05	0.10
Detroit, MI	CO	Maintenance	100	-	0.02	0.02	0.04
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.06	0.07	0.13
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.06	0.07	0.12
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Duluth, MN	CO	Maintenance	100	-	0.00	0.00	0.00
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.01	0.01	0.01
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.00
Erie, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.00	0.00	0.01
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Evansville, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.01
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	0.01	0.01	0.01
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.00	0.00	0.00

Table B2-33
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Butadiene 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.00	0.01	0.01
Franklin County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Fredericksburg, VA	Ozone	Maintenance	100	-	0.00	0.01	0.01
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Fresno, CA	CO	Maintenance	100	-	0.01	0.01	0.02
Grand Rapids, MI	Ozone	Maintenance	100	-	0.01	0.01	0.02
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	0.02	0.03	0.05
Greeley, CO	CO	Maintenance	100	-	0.00	0.00	0.00
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.02	0.02	0.04
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.02
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.01	0.01	0.02
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.00	0.00
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.01	0.01	0.02
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.02
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.01	0.02	0.03
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.11	-0.17	-0.33
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01

Table B2-33
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Butadiene 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
		t					
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.00	0.00	0.00
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Imperial County, CA	Ozone	Moderate	50	-	0.00	0.00	0.01
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.01
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.02	0.03	0.05
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.02	0.02	0.04
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.00	0.00
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.01	0.01	0.01
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.02	0.03	0.05
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.00	0.00
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.00
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.01	0.02	0.03
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.02
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.00
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.00

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Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Butadiene 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.01	0.01	0.01
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.01
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.01	0.01	0.01
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Las Vegas, NV	CO	Serious	100	-	0.02	0.02	0.04
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.02	0.02	0.04
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Lima, OH	Ozone	Maintenance	100	-	0.00	0.00	0.00
Longmont, CO	CO	Maintenance	100	-	0.00	0.00	0.00
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.18	0.23	0.41
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	0.18	0.23	0.41
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.18	0.23	0.41
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.18	0.23	0.41
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.18	0.23	0.41
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.01	0.01	0.02
Louisville, KY-IN	Ozone	Maintenance	100	-	0.01	0.02	0.03
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.03
Lowell, MA	CO	Maintenance	100	-	0.00	0.00	0.00
Lucas County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Macon, GA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.00	0.00	0.01
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Manchester, NH	CO	Maintenance	100	-	0.00	0.00	0.00
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Marion County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Medford, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Memphis, TN-AR	Ozone	Maintenance	100	-	0.01	0.02	0.03
Memphis, TN	CO	Maintenance	100	-	0.01	0.01	0.03
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.01	0.01	0.01
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.02	0.03	0.05
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.03	0.04	0.07
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.03	0.04	0.08
Missoula, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Modesto, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	0.00
Nashville, TN	Ozone	Former Subpart 1	50	-	0.02	0.02	0.04
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.01	0.01	0.02
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.01	0.01	0.01
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.10	0.12	0.22
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.18	0.23	0.41
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.18	0.23	0.41
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.02	0.02	0.04
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	0.00
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.00	0.01	0.01
Phildelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.02	0.02	0.03
Phildelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.05	0.05	0.09
Phoenix, AZ	CO	Maintenance	100	-	0.05	0.07	0.12
Phoenix, AZ	PM ₁₀	Serious	70	-	0.06	0.07	0.12
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.06	0.07	0.12
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.00
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.02	0.03	0.06
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.05
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.01	0.01	0.02
Portland, OR	CO	Maintenance	100	-	0.01	0.02	0.03
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Poughkeepsie, NY	Ozone	Moderate	50	-	0.02	0.02	0.04
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.01	0.01	0.03
Provo, UT	CO	Maintenance	100	-	0.00	0.00	0.00
Raleigh-Durham, NC	CO	Maintenance	100	-	0.02	0.02	0.03
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.02	0.03	0.05
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.00	0.01	0.01

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.01
Reno, NV	CO	Maintenance	100	-	0.00	0.00	0.01
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.01	0.02	0.03
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.01	0.01	0.02
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Rochester, NY	Ozone	Former Subpart 1	50	-	0.02	0.02	0.04
Rocky Mount, NC	Ozone	Maintenance	100	-	0.00	0.00	0.01
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.02	0.02	0.04
Sacramento Metro, CA	Ozone	Severe	25	-	0.03	0.04	0.07
Sacramento, CA	CO	Maintenance	100	-	0.02	0.02	0.04
Salem, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Salt Lake City, UT	CO	Maintenance	100	-	0.00	0.00	0.01
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.01	0.02	0.03
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.01	0.02	0.03
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.02	0.03	0.05
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.01	0.01	0.01
San Diego, CA	CO	Maintenance	100	-	0.05	0.06	0.11
San Diego, CA	Ozone	Former Subpart 1	50	-	0.05	0.06	0.11
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.04	0.04	0.06
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.05	0.05	0.08
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.05	0.06	0.12
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.05	0.07	0.12
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.05	0.06	0.12
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.01	0.01	0.02
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.03	0.04	0.08
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.00	0.00
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00

Table B2-33
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Butadiene 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.01	0.01	0.01
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Spokane, WA	CO	Maintenance	100	-	0.00	0.00	0.01
Springfield (western MA), MA	Ozone	Moderate	50	-	0.01	0.01	0.02
Springfield, MA	CO	Maintenance	100	-	0.00	0.00	0.00
St Louis, MO	CO	Maintenance	100	-	0.01	0.01	0.03
St Louis, MO-IL	Ozone	Moderate	50	-	0.04	0.05	0.08
St. Louis, MO-IL	PM _{2,5}	Nonattainment	100	-	0.04	0.05	0.08
State College, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.00	0.00
Steubenville-Weirton, OH-WV	PM _{2,5}	Nonattainment	100	-	0.00	0.00	0.00
Stockton, CA	CO	Maintenance	100	-	0.01	0.01	0.01
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.01	0.01	0.01
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Toledo, OH	Ozone	Maintenance	100	-	0.01	0.01	0.02
Toms River, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Trenton, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.01	0.01	0.03
Utah County, UT	PM ₁₀	Moderate	100	-	0.01	0.01	0.01
Vancouver, WA	CO	Maintenance	100	-	0.00	0.00	0.01
Ventura County, CA	Ozone	Serious	50	-	0.01	0.01	0.02
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	0.00
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Washington, DC-MD-VA	CO	Maintenance	100	-	0.02	0.02	0.04

Table B2-33
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Butadiene 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.06	0.08	0.15
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.06	0.08	0.14
Washoe County, NV	PM ₁₀	Serious	70	-	0.00	0.00	0.01
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Winston-Salem, NC	CO	Maintenance	100	-	0.00	0.01	0.01
Worcester, MA	CO	Maintenance	100	-	0.00	0.00	0.01
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	0.00
York, PA	Ozone	Maintenance	100	-	0.01	0.01	0.01
York, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.01
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.01	0.01	0.02
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00

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

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

c/ Emissions thresholds in tons/year of: VOC or NO_x in ozone NAAs; primary PM_{2.5} in PM_{2.5} NAAs. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the proposed actions. Source: EPA, 2008.

Table B2-34
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Butadiene 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.04	0.05	-0.02
Albuquerque, NM	CO	Maintenance	100	-	0.02	0.02	-0.01
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.01	-0.00
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.02	0.02	-0.01
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.00
Anchorage, AK	CO	Maintenance	100	-	0.00	0.01	-0.00
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Atlanta, GA	Ozone	Moderate	50	-	0.22	0.26	-0.12
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.22	0.26	-0.12
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Bakersfield, CA	CO	Maintenance	100	-	0.01	0.01	-0.02
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	-0.00
Baltimore, MD	Ozone	Moderate	50	-	0.10	0.12	-0.05
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.10	0.12	-0.05
Baton Rouge, LA	Ozone	Moderate	50	-	-0.04	-0.06	-0.17
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.20	-0.30	-0.55
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.00
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.01	-0.00
Billings, MT	CO	Maintenance	100	-	0.00	0.00	-0.00
Birmingham, AL	Ozone	Maintenance	100	-	0.03	0.04	-0.02
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.03	0.04	-0.02
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.01	0.01	-0.01
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.01
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Boston, MA	CO	Maintenance	100	-	0.03	0.03	-0.02
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.17	0.20	-0.09
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.02	0.03	-0.01
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	-0.00

Table B2-34
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Butadiene 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.04	0.05	-0.02
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.01	0.01	-0.01
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.01
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Charleston, WV	Ozone	Maintenance	100	-	0.01	0.01	-0.01
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.01
Charlotte, NC	CO	Maintenance	100	-	0.02	0.03	-0.01
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.05	0.06	-0.03
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.02	0.02	-0.01
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.02	0.02	-0.01
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.23	0.27	-0.13
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.24	0.28	-0.14
Chico, CA	CO	Maintenance	100	-	0.00	0.00	-0.00
Chico, CA	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.00
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.07	0.08	-0.04
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.06	0.08	-0.03
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.05	0.06	-0.03
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.01	0.01	-0.00
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.00
Cleveland, OH	CO	Maintenance	100	-	0.03	0.04	-0.02
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.09	0.10	-0.05
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.08	0.09	-0.04
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.02	0.03	-0.01
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Colorado Springs, CO	CO	Maintenance	100	-	0.02	0.02	-0.01
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.02	0.03	-0.01
Columbus, OH	Ozone	Maintenance	100	-	0.06	0.07	-0.03

Table B2-34
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Butadiene 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.05	0.06	-0.03
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.03	0.04	-0.02
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.03	0.03	-0.01
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.23	0.27	-0.13
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.03	0.03	-0.02
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.02	0.03	-0.01
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.10	0.12	-0.05
Denver-Boulder, CO	CO	Maintenance	100	-	0.10	0.11	-0.05
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.12	0.14	-0.07
Detroit, MI	CO	Maintenance	100	-	0.05	0.06	-0.03
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.15	0.18	-0.08
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.15	0.18	-0.08
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Duluth, MN	CO	Maintenance	100	-	0.00	0.00	-0.00
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.00
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.02	0.02	-0.01
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	-0.00
Erie, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.00
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.01	0.01	-0.00
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.01	0.01	-0.00
Evansville, IN	Ozone	Maintenance	100	-	0.01	0.01	-0.00
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.01
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	-0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.01
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Flint, MI	Ozone	Maintenance	100	-	0.02	0.02	-0.01
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	0.01	0.01	-0.00

Table B2-34
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Butadiene 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.01	0.01	-0.01
Franklin County, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.00
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.01	-0.00
Fredericksburg, VA	Ozone	Maintenance	100	-	0.01	0.02	-0.01
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Fresno, CA	CO	Maintenance	100	-	0.02	0.02	-0.01
Grand Rapids, MI	Ozone	Maintenance	100	-	0.03	0.03	-0.01
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	-0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	0.05	0.06	-0.03
Greeley, CO	CO	Maintenance	100	-	0.00	0.00	-0.00
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.05	0.06	-0.03
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.03	0.03	-0.01
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.03	0.04	-0.02
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.03	0.03	-0.02
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.03	-0.01
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.04	0.04	-0.02
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.00
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.01
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.24	-0.43	-1.20
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.01

Table B2-34
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Butadiene 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
		t					
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.00	0.01	-0.00
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Imperial County, CA	Ozone	Moderate	50	-	0.01	0.01	-0.00
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.01	0.01	-0.00
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.07	0.08	-0.04
Indianapolis, IN	PM _{2,5}	Nonattainment	100	-	0.05	0.06	-0.03
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.00
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.00	-0.00
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.00
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Johnstown, PA	PM _{2,5}	Nonattainment	100	-	0.00	0.00	-0.00
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.02	0.02	-0.01
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.06	0.07	-0.03
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.01	-0.00
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	-0.00
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	-0.00
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.04	0.05	-0.02
Knoxville, TN	PM _{2,5}	Nonattainment	100	-	0.03	0.04	-0.02
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lake County, IN	SO _x	Maintenance	100	-	0.01	0.01	-0.01
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	-0.00
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	-0.00
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	-0.00

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Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.01	0.02	-0.01
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	-0.01
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.02	0.02	-0.01
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Las Vegas, NV	CO	Serious	100	-	0.05	0.06	-0.03
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.05	0.06	-0.03
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Lima, OH	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Longmont, CO	CO	Maintenance	100	-	0.00	0.00	-0.00
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.51	0.60	-0.28
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	0.51	0.60	-0.28
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.51	0.60	-0.28
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.51	0.60	-0.28
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.50	0.60	-0.28
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.02	0.03	-0.01
Louisville, KY-IN	Ozone	Maintenance	100	-	0.04	0.04	-0.02
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.04	0.04	-0.02
Lowell, MA	CO	Maintenance	100	-	0.00	0.00	-0.00
Lucas County, OH	SO _x	Maintenance	100	-	0.01	0.01	-0.01
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Macon, GA	Ozone	Maintenance	100	-	0.01	0.01	-0.00
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.00
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Madison, WI	SO _x	Maintenance	100	-	0.01	0.01	-0.00
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Manchester, NH	CO	Maintenance	100	-	0.00	0.00	-0.00
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Marion County, IN	SO _x	Maintenance	100	-	0.01	0.01	-0.01
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.01
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Medford, OR	CO	Maintenance	100	-	0.00	0.00	-0.00
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.00
Memphis, TN-AR	Ozone	Maintenance	100	-	0.03	0.04	-0.02
Memphis, TN	CO	Maintenance	100	-	0.03	0.04	-0.02
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.02	0.02	-0.01
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.06	0.07	-0.03
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.09	0.10	-0.08
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.09	0.11	-0.05
Missoula, MT	CO	Maintenance	100	-	0.00	0.00	-0.00
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Modesto, CA	CO	Maintenance	100	-	0.01	0.01	-0.01
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.01	-0.00
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	-0.00
Nashville, TN	Ozone	Former Subpart 1	50	-	0.05	0.06	-0.03
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	-0.00
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.00
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.03	0.03	-0.01
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.02	0.02	-0.01
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.26	0.31	-0.14
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.49	0.58	-0.27
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.49	0.58	-0.27
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.05	0.06	-0.03
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	-0.00
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.01	-0.00
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	-0.00
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.01	0.02	-0.01
Phildelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.07	0.06	-0.28
Phildelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.14	0.14	-0.32
Phoenix, AZ	CO	Maintenance	100	-	0.16	0.19	-0.09
Phoenix, AZ	PM ₁₀	Serious	70	-	0.16	0.19	-0.09
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.16	0.19	-0.09
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	-0.00
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.07	0.08	-0.04
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.06	0.07	-0.03
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Portland, ME	Ozone	Maintenance	100	-	0.02	0.02	-0.01
Portland, OR	CO	Maintenance	100	-	0.04	0.04	-0.02
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Poughkeepsie, NY	Ozone	Moderate	50	-	0.05	0.05	-0.02
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.03	0.04	-0.02
Provo, UT	CO	Maintenance	100	-	0.01	0.01	-0.00
Raleigh-Durham, NC	CO	Maintenance	100	-	0.04	0.05	-0.02
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.06	0.07	-0.03
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Reading, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.01

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.01
Reno, NV	CO	Maintenance	100	-	0.01	0.01	-0.00
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.04	0.05	-0.02
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.02	0.03	-0.01
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.00
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Rochester, NY	Ozone	Former Subpart 1	50	-	0.04	0.05	-0.02
Rocky Mount, NC	Ozone	Maintenance	100	-	0.01	0.01	-0.00
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.05	0.06	-0.03
Sacramento Metro, CA	Ozone	Severe	25	-	0.09	0.11	-0.05
Sacramento, CA	CO	Maintenance	100	-	0.06	0.07	-0.03
Salem, OR	CO	Maintenance	100	-	0.00	0.01	-0.00
Salt Lake City, UT	CO	Maintenance	100	-	0.01	0.01	-0.01
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.03	0.04	-0.02
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.03	0.04	-0.02
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.06	0.07	-0.03
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.01	0.02	-0.01
San Diego, CA	CO	Maintenance	100	-	0.14	0.16	-0.08
San Diego, CA	Ozone	Former Subpart 1	50	-	0.14	0.16	-0.08
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.12	0.10	-0.37
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.14	0.14	-0.38
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.15	0.17	-0.09
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.15	0.18	-0.09
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.15	0.17	-0.09
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.02	0.03	-0.01
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.10	0.11	-0.06
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.00	-0.00
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.02	0.02	-0.01
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.00
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.01
Spokane, WA	CO	Maintenance	100	-	0.01	0.01	-0.01
Springfield (western MA), MA	Ozone	Moderate	50	-	0.03	0.04	-0.02
Springfield, MA	CO	Maintenance	100	-	0.00	0.01	-0.00
St Louis, MO	CO	Maintenance	100	-	0.03	0.04	-0.02
St Louis, MO-IL	Ozone	Moderate	50	-	0.10	0.12	-0.05
St. Louis, MO-IL	PM _{2,5}	Nonattainment	100	-	0.10	0.12	-0.05
State College, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.00
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Steubenville-Weirton, OH-WV	PM _{2,5}	Nonattainment	100	-	0.00	0.00	-0.00
Stockton, CA	CO	Maintenance	100	-	0.02	0.02	-0.01
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.02	0.02	-0.01
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.01	-0.00
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Toledo, OH	Ozone	Maintenance	100	-	0.02	0.02	-0.01
Toms River, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Trenton, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Tucson, AZ	CO	Maintenance	100	-	0.03	0.04	-0.02
Utah County, UT	PM ₁₀	Moderate	100	-	0.02	0.02	-0.01
Vancouver, WA	CO	Maintenance	100	-	0.01	0.01	-0.01
Ventura County, CA	Ozone	Serious	50	-	0.03	0.03	-0.02
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.01	-0.00
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	-0.00
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.00
Washington, DC-MD-VA	CO	Maintenance	100	-	0.05	0.06	-0.03

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.18	0.21	-0.10
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.18	0.21	-0.10
Washoe County, NV	PM ₁₀	Serious	70	-	0.01	0.01	-0.00
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.01	-0.00
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	-0.00
Winston-Salem, NC	CO	Maintenance	100	-	0.01	0.02	-0.01
Worcester, MA	CO	Maintenance	100	-	0.01	0.01	-0.00
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	-0.00
York, PA	Ozone	Maintenance	100	-	0.01	0.02	-0.01
York, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.01
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.02	0.03	-0.01
Yuma, AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.00

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

Table B2-35
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Butadiene 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.22	0.05	-0.98
Albuquerque, NM	CO	Maintenance	100	-	0.10	0.02	-0.45
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.03	0.01	-0.12
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.10	0.02	-0.45
Altoona, PA	Ozone	Maintenance	100	-	0.02	0.00	-0.07
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.04	0.01	-0.15
Anchorage, AK	CO	Maintenance	100	-	0.03	0.01	-0.12
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Atlanta, GA	Ozone	Moderate	50	-	1.23	0.29	-5.36
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	1.23	0.29	-5.36
Atlantic City, NJ	CO	Maintenance	100	-	0.01	0.00	-0.04
Bakersfield, CA	CO	Maintenance	100	-	0.07	0.01	-0.38
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	-0.01
Baltimore, MD	Ozone	Moderate	50	-	0.54	0.13	-2.35
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.54	0.13	-2.35
Baton Rouge, LA	Ozone	Moderate	50	-	-0.08	-0.26	-0.97
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.64	-1.00	-1.78
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.03	0.01	-0.12
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.02
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.03	0.01	-0.12
Billings, MT	CO	Maintenance	100	-	0.01	0.00	-0.06
Birmingham, AL	Ozone	Maintenance	100	-	0.17	0.04	-0.75
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.17	0.04	-0.75
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.06	0.01	-0.26
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.06	0.01	-0.26
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Boston, MA	CO	Maintenance	100	-	0.15	0.03	-0.64
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.89	0.21	-3.91
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.12	0.03	-0.51
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	-0.00	-0.01

Table B2-35
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Butadiene 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.20	0.05	-0.86
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.05	0.01	-0.21
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.05	0.01	-0.21
Case County, MI	Ozone	Maintenance	100	-	0.01	0.00	-0.03
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Charleston, WV	Ozone	Maintenance	100	-	0.04	0.01	-0.19
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.04	0.01	-0.19
Charlotte, NC	CO	Maintenance	100	-	0.14	0.03	-0.59
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.30	0.07	-1.31
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.09	0.02	-0.40
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.09	0.02	-0.37
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	1.25	0.29	-5.52
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	1.29	0.30	-5.71
Chico, CA	CO	Maintenance	100	-	0.02	0.01	-0.10
Chico, CA	Ozone	Former Subpart 1	50	-	0.05	0.01	-0.22
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.34	0.08	-1.51
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.33	0.08	-1.46
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Clark County, NV	PM ₁₀	Serious	70	-	0.29	0.07	-1.27
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.05	0.01	-0.21
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.03	0.01	-0.13
Cleveland, OH	CO	Maintenance	100	-	0.15	0.04	-0.65
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.43	0.10	-1.90
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.40	0.09	-1.74
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.13	0.03	-0.56
Colbert County, AL	SO _x	Maintenance	100	-	0.01	0.00	-0.04
Colorado Springs, CO	CO	Maintenance	100	-	0.11	0.03	-0.48
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.11	0.03	-0.50
Columbus, OH	Ozone	Maintenance	100	-	0.31	0.07	-1.35

Table B2-35
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Butadiene 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.29	0.07	-1.26
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.15	0.04	-0.65
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.12	0.03	-0.54
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	1.31	0.31	-5.73
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.14	0.03	-0.60
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.12	0.03	-0.53
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.55	0.13	-2.42
Denver-Boulder, CO	CO	Maintenance	100	-	0.53	0.13	-2.31
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.67	0.16	-2.92
Detroit, MI	CO	Maintenance	100	-	0.25	0.06	-1.10
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.80	0.19	-3.50
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.79	0.19	-3.44
Door County, WI	Ozone	Former Subpart 1	50	-	0.01	0.00	-0.03
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.01	0.00	-0.03
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Duluth, MN	CO	Maintenance	100	-	0.01	0.00	-0.06
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.03	0.01	-0.15
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.09	0.02	-0.38
El Paso, TX	CO	Maintenance	100	-	0.01	0.00	-0.02
Erie, PA	Ozone	Maintenance	100	-	0.04	0.01	-0.17
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.04	0.01	-0.18
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.04	0.01	-0.17
Evansville, IN	Ozone	Maintenance	100	-	0.04	0.01	-0.19
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.06	0.01	-0.24
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	-0.01
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.05	0.01	-0.22
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Flint, MI	Ozone	Maintenance	100	-	0.09	0.02	-0.38
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	0.03	0.01	-0.15

Table B2-35
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Butadiene 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.06	0.02	-0.28
Franklin County, PA	Ozone	Maintenance	100	-	0.03	0.01	-0.12
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.02	0.01	-0.10
Fredericksburg, VA	Ozone	Maintenance	100	-	0.08	0.02	-0.35
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
Fresno, CA	CO	Maintenance	100	-	0.11	0.03	-0.48
Grand Rapids, MI	Ozone	Maintenance	100	-	0.15	0.03	-0.64
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.03
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.03
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	-0.01
Greater Connecticut, CT	Ozone	Moderate	50	-	0.28	0.07	-1.21
Greeley, CO	CO	Maintenance	100	-	0.02	0.01	-0.10
Green Bay, WI	SO _x	Maintenance	100	-	0.02	0.01	-0.09
Greene County, IN	Ozone	Maintenance	100	-	0.01	0.00	-0.04
Greene County, PA	Ozone	Maintenance	100	-	0.01	0.00	-0.03
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.28	0.07	-1.22
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.14	0.03	-0.60
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.15	0.04	-0.66
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.02	0.00	-0.09
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.15	0.04	-0.67
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.14	0.03	-0.62
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.18	0.04	-0.78
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	-0.01
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.01	0.00	-0.03
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.01	0.00	-0.03
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.03	0.01	-0.13
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.05	0.01	-0.21
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.42	-1.83	-7.45
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.05	0.01	-0.22

Table B2-35
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Butadiene 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
		t					
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.02	0.00	-0.12
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.02
Imperial County, CA	Ozone	Moderate	50	-	0.04	0.01	-0.18
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.04	0.01	-0.18
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.02
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.36	0.09	-1.57
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.29	0.07	-1.25
Jackson County, IN	Ozone	Maintenance	100	-	0.01	0.00	-0.06
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.03	0.01	-0.11
Jefferson County, NY	Ozone	Moderate	50	-	0.02	0.01	-0.09
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.04	0.01	-0.16
Johnstown, PA	Ozone	Maintenance	100	-	0.01	0.00	-0.07
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.00	-0.07
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.09	0.02	-0.37
Kalispell, MT	PM ₁₀	Moderate	100	-	0.01	0.00	-0.02
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.30	0.07	-1.31
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.03	0.01	-0.11
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.01	0.00	-0.06
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	-0.02
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Klamath Falls, OR	CO	Maintenance	100	-	0.01	0.00	-0.04
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.04
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.22	0.05	-0.96
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.17	0.04	-0.74
La Porte County, IN	SO _x	Maintenance	100	-	0.01	0.00	-0.02
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Lake County, IN	SO _x	Maintenance	100	-	0.05	0.01	-0.22
Lake County, OH	SO _x	Maintenance	100	-	0.01	0.00	-0.03
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.01	0.00	-0.03
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.01	0.00	-0.06
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	-0.02

Table B2-35
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Butadiene 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.08	0.02	-0.35
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.08	0.02	-0.35
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.08	0.02	-0.36
LaPorte, IN	Ozone	Maintenance	100	-	0.02	0.00	-0.07
Las Vegas, NV	CO	Serious	100	-	0.29	0.07	-1.27
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.29	0.07	-1.29
Lauderdale County, AL	SO _x	Maintenance	100	-	0.01	0.00	-0.06
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.01
Lima, OH	Ozone	Maintenance	100	-	0.02	0.00	-0.08
Longmont, CO	CO	Maintenance	100	-	0.02	0.00	-0.08
Lorain County, OH	SO _x	Maintenance	100	-	0.01	0.00	-0.03
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	2.78	0.65	-12.23
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	2.78	0.65	-12.23
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	2.78	0.65	-12.23
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	2.78	0.65	-12.23
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	2.78	0.65	-12.23
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.13	0.03	-0.56
Louisville, KY-IN	Ozone	Maintenance	100	-	0.19	0.05	-0.83
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.18	0.04	-0.80
Lowell, MA	CO	Maintenance	100	-	0.02	0.00	-0.09
Lucas County, OH	SO _x	Maintenance	100	-	0.05	0.01	-0.21
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.04
Macon, GA	Ozone	Maintenance	100	-	0.03	0.01	-0.15
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.03	0.01	-0.15
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Madison, WI	SO _x	Maintenance	100	-	0.05	0.01	-0.20
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Manchester, NH	CO	Maintenance	100	-	0.01	0.00	-0.05
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.02	0.00	-0.07

Table B2-35
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Butadiene 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Marion County, IN	SO _x	Maintenance	100	-	0.05	0.01	-0.22
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.02	0.01	-0.10
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.06	0.01	-0.24
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.02
Medford, OR	CO	Maintenance	100	-	0.02	0.00	-0.07
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.04	0.01	-0.16
Memphis, TN-AR	Ozone	Maintenance	100	-	0.16	0.04	-0.72
Memphis, TN	CO	Maintenance	100	-	0.15	0.03	-0.67
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.01	0.00	-0.02
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.09	0.02	-0.38
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.31	0.07	-1.36
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.48	0.07	-2.33
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.50	0.12	-2.19
Missoula, MT	CO	Maintenance	100	-	0.01	0.00	-0.05
Missoula, MT	PM ₁₀	Moderate	100	-	0.01	0.00	-0.05
Modesto, CA	CO	Maintenance	100	-	0.06	0.01	-0.27
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.02	0.00	-0.09
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Morristown, NJ	CO	Maintenance	100	-	0.01	0.00	-0.03
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Muncie, IN	Ozone	Maintenance	100	-	0.02	0.00	-0.08
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Muskegon, MI	Ozone	Maintenance	100	-	0.02	0.01	-0.10
Nashua, NH	CO	Maintenance	100	-	0.01	0.00	-0.04
Nashville, TN	Ozone	Former Subpart 1	50	-	0.29	0.06	-1.31
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.03	0.01	-0.13
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.03	0.01	-0.11
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.13	0.03	-0.58
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.07	0.02	-0.32
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	1.33	0.32	-5.81
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	2.57	0.61	-11.22
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	2.54	0.60	-11.12
Nogales, AZ	PM ₁₀	Moderate	100	-	0.01	0.00	-0.03

Table B2-35
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Butadiene 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.27	0.06	-1.18
Ogden, UT	CO	Maintenance	100	-	0.01	0.00	-0.05
Ogden, UT	PM ₁₀	Moderate	100	-	0.01	0.00	-0.05
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.02	0.00	-0.09
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.02	0.01	-0.11
Parkersburg-Marietta, WV-OH	PM _{2,5}	Nonattainment	100	-	0.02	0.01	-0.11
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.02	0.00	-0.07
Perth Amboy, NJ	CO	Maintenance	100	-	0.02	0.00	-0.07
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.06	0.01	-0.27
Phildelphia-Wilmington, PA-NY-DE	PM _{2,5}	Nonattainment	100	-	0.49	-0.20	-3.85
Phildelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.85	-0.11	-5.43
Phoenix, AZ	CO	Maintenance	100	-	0.98	0.23	-4.30
Phoenix, AZ	PM ₁₀	Serious	70	-	1.01	0.24	-4.42
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	1.01	0.24	-4.44
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	-0.02
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.33	0.08	-1.46
Pittsburgh-Beaver Valley, PA	PM _{2,5}	Nonattainment	100	-	0.30	0.07	-1.33
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Portland, ME	Ozone	Maintenance	100	-	0.10	0.02	-0.43
Portland, OR	CO	Maintenance	100	-	0.20	0.04	-0.88
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.03
Poughkeepsie, NY	Ozone	Moderate	50	-	0.26	0.06	-1.13
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Providence (entire State), RI	Ozone	Moderate	50	-	0.17	0.04	-0.76
Provo, UT	CO	Maintenance	100	-	0.03	0.01	-0.13
Raleigh-Durham, NC	CO	Maintenance	100	-	0.24	0.06	-1.06
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.33	0.08	-1.44
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Reading, PA	Ozone	Maintenance	100	-	0.06	0.01	-0.25

Table B2-35
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Butadiene 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.06	0.01	-0.25
Reno, NV	CO	Maintenance	100	-	0.04	0.01	-0.19
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.21	0.05	-0.92
Rillito, AZ	PM ₁₀	Moderate	100	-	0.01	0.00	-0.04
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.13	0.03	-0.56
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.04	0.01	-0.19
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.01	0.00	-0.06
Rochester, NY	Ozone	Former Subpart 1	50	-	0.23	0.05	-1.00
Rocky Mount, NC	Ozone	Maintenance	100	-	0.03	0.01	-0.14
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.02	0.00	-0.09
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.30	0.07	-1.29
Sacramento Metro, CA	Ozone	Severe	25	-	0.54	0.13	-2.37
Sacramento, CA	CO	Maintenance	100	-	0.33	0.08	-1.45
Salem, OR	CO	Maintenance	100	-	0.02	0.01	-0.10
Salt Lake City, UT	CO	Maintenance	100	-	0.04	0.01	-0.17
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.18	0.04	-0.81
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.18	0.04	-0.80
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.34	0.08	-1.47
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.08	0.02	-0.35
San Diego, CA	CO	Maintenance	100	-	0.80	0.19	-3.51
San Diego, CA	Ozone	Former Subpart 1	50	-	0.80	0.19	-3.51
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.86	-0.19	-5.88
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	1.01	-0.15	-6.54
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.88	0.20	-3.91
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.88	0.20	-3.92
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.88	0.20	-3.91
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.01	0.00	-0.03
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.11	0.03	-0.50
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.53	0.12	-2.39
Sheboygan, WI	Ozone	Moderate	50	-	0.02	0.01	-0.09
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00

Table B2-35
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Butadiene 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.08	0.02	-0.34
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.03	0.01	-0.11
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.05	0.01	-0.23
Spokane, WA	CO	Maintenance	100	-	0.05	0.01	-0.23
Springfield (western MA), MA	Ozone	Moderate	50	-	0.15	0.04	-0.67
Springfield, MA	CO	Maintenance	100	-	0.03	0.01	-0.11
St Louis, MO	CO	Maintenance	100	-	0.14	0.03	-0.62
St Louis, MO-IL	Ozone	Moderate	50	-	0.49	0.12	-2.15
St. Louis, MO-IL	PM _{2,5}	Nonattainment	100	-	0.49	0.12	-2.13
State College, PA	Ozone	Maintenance	100	-	0.03	0.01	-0.14
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.01	0.00	-0.03
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.02	0.00	-0.07
Steubenville-Weirton, OH-WV	PM _{2,5}	Nonattainment	100	-	0.02	0.00	-0.07
Stockton, CA	CO	Maintenance	100	-	0.09	0.02	-0.40
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.09	0.02	-0.37
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.02	0.00	-0.09
Tioga County, PA	Ozone	Maintenance	100	-	0.01	0.00	-0.04
Toledo, OH	Ozone	Maintenance	100	-	0.09	0.02	-0.40
Toms River, NJ	CO	Maintenance	100	-	0.02	0.00	-0.08
Tooele County, UT	SO _x	Nonattainment	100	-	0.02	0.00	-0.08
Trenton, NJ	CO	Maintenance	100	-	0.02	0.00	-0.07
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Tucson, AZ	CO	Maintenance	100	-	0.18	0.04	-0.80
Utah County, UT	PM ₁₀	Moderate	100	-	0.09	0.02	-0.39
Vancouver, WA	CO	Maintenance	100	-	0.06	0.01	-0.26
Ventura County, CA	Ozone	Serious	50	-	0.16	0.04	-0.71
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Vigo County, IN	SO _x	Maintenance	100	-	0.02	0.00	-0.09
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.01	0.00	-0.04
Warren County, NJ	SO _x	Maintenance	100	-	0.01	0.00	-0.03
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.01
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.04	0.01	-0.16
Washington, DC-MD-VA	CO	Maintenance	100	-	0.28	0.07	-1.21

Table B2-35
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Butadiene 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.99	0.23	-4.32
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.97	0.23	-4.22
Washoe County, NV	PM ₁₀	Serious	70	-	0.04	0.01	-0.19
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.01	0.00	-0.05
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.06
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.02	0.01	-0.10
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.02	0.01	-0.10
Winston-Salem, NC	CO	Maintenance	100	-	0.07	0.02	-0.31
Worcester, MA	CO	Maintenance	100	-	0.04	0.01	-0.18
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.02	0.00	-0.07
Yakima, WA	CO	Maintenance	100	-	0.01	0.00	-0.03
York, PA	Ozone	Maintenance	100	-	0.08	0.02	-0.35
York, PA	PM _{2.5}	Nonattainment	100	-	0.06	0.01	-0.27
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.10	0.02	-0.45
Yuma, AZ	PM ₁₀	Moderate	100	-	0.04	0.01	-0.15

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

Table B2-36
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Butadiene 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.55	0.26	-1.27
Albuquerque, NM	CO	Maintenance	100	-	0.25	0.12	-0.57
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.07	0.03	-0.16
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.25	0.12	-0.58
Altoona, PA	Ozone	Maintenance	100	-	0.04	0.02	-0.09
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.10	0.05	-0.23
Anchorage, AK	CO	Maintenance	100	-	0.07	0.03	-0.15
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Atlanta, GA	Ozone	Moderate	50	-	3.14	1.46	-7.16
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	3.14	1.46	-7.17
Atlantic City, NJ	CO	Maintenance	100	-	0.02	0.01	-0.05
Bakersfield, CA	CO	Maintenance	100	-	0.19	0.08	-0.51
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	-0.01
Baltimore, MD	Ozone	Moderate	50	-	1.35	0.63	-3.09
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	1.35	0.63	-3.09
Baton Rouge, LA	Ozone	Moderate	50	-	-0.11	-0.36	-1.37
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-1.29	-1.67	-2.67
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.06	0.03	-0.15
Benzie County, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.03
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.07	0.03	-0.15
Billings, MT	CO	Maintenance	100	-	0.03	0.01	-0.07
Birmingham, AL	Ozone	Maintenance	100	-	0.41	0.19	-0.93
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.41	0.19	-0.93
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.15	0.07	-0.34
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.15	0.07	-0.34
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.01	0.00	-0.02
Boston, MA	CO	Maintenance	100	-	0.36	0.17	-0.81
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	2.20	1.03	-5.03
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.29	0.14	-0.67
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	-0.01

Table B2-36
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Butadiene 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.47	0.22	-1.07
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.01	0.00	-0.02
Canon City, CO	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.02
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.11	0.05	-0.26
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.11	0.05	-0.26
Case County, MI	Ozone	Maintenance	100	-	0.02	0.01	-0.04
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Charleston, WV	Ozone	Maintenance	100	-	0.10	0.05	-0.23
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.10	0.05	-0.23
Charlotte, NC	CO	Maintenance	100	-	0.35	0.16	-0.80
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.76	0.36	-1.74
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.22	0.10	-0.51
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.21	0.10	-0.47
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	3.14	1.45	-7.23
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	3.25	1.50	-7.47
Chico, CA	CO	Maintenance	100	-	0.06	0.03	-0.15
Chico, CA	Ozone	Former Subpart 1	50	-	0.14	0.06	-0.31
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.85	0.40	-1.94
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.82	0.38	-1.87
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Clark County, NV	PM ₁₀	Serious	70	-	0.78	0.36	-1.77
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.12	0.06	-0.27
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.07	0.03	-0.17
Cleveland, OH	CO	Maintenance	100	-	0.33	0.15	-0.75
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	1.04	0.48	-2.37
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.95	0.44	-2.16
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.36	0.17	-0.81
Colbert County, AL	SO _x	Maintenance	100	-	0.02	0.01	-0.05
Colorado Springs, CO	CO	Maintenance	100	-	0.29	0.13	-0.66
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Columbia, SC	Ozone	Former Subpart 1	50	-	0.28	0.13	-0.64
Columbus, OH	Ozone	Maintenance	100	-	0.80	0.37	-1.82

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Butadiene 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.74	0.35	-1.70
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.33	0.15	-0.75
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.28	0.13	-0.65
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	3.42	1.59	-7.81
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.32	0.15	-0.74
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.28	0.13	-0.65
Denver Metro, CO	PM ₁₀	Maintenance	100	-	1.43	0.67	-3.26
Denver-Boulder, CO	CO	Maintenance	100	-	1.37	0.64	-3.12
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	1.73	0.80	-3.94
Detroit, MI	CO	Maintenance	100	-	0.51	0.24	-1.18
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	1.96	0.91	-4.47
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	1.92	0.90	-4.39
Door County, WI	Ozone	Former Subpart 1	50	-	0.02	0.01	-0.04
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.03
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.01	0.01	-0.03
Duluth, MN	CO	Maintenance	100	-	0.03	0.01	-0.07
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.08	0.04	-0.18
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.22	0.10	-0.50
El Paso, TX	CO	Maintenance	100	-	0.01	0.01	-0.03
Erie, PA	Ozone	Maintenance	100	-	0.09	0.04	-0.20
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.10	0.05	-0.24
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.10	0.05	-0.23
Evansville, IN	Ozone	Maintenance	100	-	0.10	0.05	-0.24
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.13	0.06	-0.30
Fairbanks, AK	CO	Maintenance	100	-	0.01	0.00	-0.02
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.13	0.06	-0.29
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Flint, MI	Ozone	Maintenance	100	-	0.21	0.10	-0.48
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	0.09	0.04	-0.20

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.16	0.07	-0.36
Franklin County, PA	Ozone	Maintenance	100	-	0.07	0.03	-0.15
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.06	0.03	-0.13
Fredericksburg, VA	Ozone	Maintenance	100	-	0.21	0.10	-0.48
Freehold, NJ	CO	Maintenance	100	-	0.01	0.00	-0.02
Fresno, CA	CO	Maintenance	100	-	0.28	0.13	-0.65
Grand Rapids, MI	Ozone	Maintenance	100	-	0.37	0.17	-0.85
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.03
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.02	0.01	-0.04
Great Falls, MT	CO	Maintenance	100	-	0.01	0.00	-0.01
Greater Connecticut, CT	Ozone	Moderate	50	-	0.66	0.31	-1.52
Greeley, CO	CO	Maintenance	100	-	0.06	0.03	-0.13
Green Bay, WI	SO _x	Maintenance	100	-	0.05	0.02	-0.12
Greene County, IN	Ozone	Maintenance	100	-	0.02	0.01	-0.05
Greene County, PA	Ozone	Maintenance	100	-	0.02	0.01	-0.04
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.67	0.31	-1.54
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.33	0.15	-0.75
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.36	0.17	-0.81
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.01	0.00	-0.02
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.05	0.02	-0.11
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.39	0.18	-0.89
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.36	0.17	-0.82
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.42	0.19	-0.95
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.01	0.00	-0.01
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.02	0.01	-0.05
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.02	0.01	-0.04
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.07	0.03	-0.16
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.12	0.05	-0.27
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.26	-2.21	-10.34
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.11	0.05	-0.27

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
		t					
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.06	0.02	-0.14
Huron County, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.03
Imperial County, CA	Ozone	Moderate	50	-	0.11	0.05	-0.26
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.11	0.05	-0.25
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.03
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.90	0.42	-2.07
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.72	0.34	-1.64
Jackson County, IN	Ozone	Maintenance	100	-	0.03	0.02	-0.07
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.06	0.03	-0.14
Jefferson County, NY	Ozone	Moderate	50	-	0.05	0.02	-0.12
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.09	0.04	-0.20
Johnstown, PA	Ozone	Maintenance	100	-	0.03	0.01	-0.07
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.02	-0.08
Juneau, AK	PM ₁₀	Moderate	100	-	0.01	0.00	-0.01
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.21	0.10	-0.47
Kalispell, MT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.03
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.76	0.35	-1.73
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.07	0.03	-0.15
Kent, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.03
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.03	0.02	-0.08
Kewaunee County, WI	Ozone	Maintenance	100	-	0.01	0.00	-0.02
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Klamath Falls, OR	CO	Maintenance	100	-	0.02	0.01	-0.04
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.02	0.01	-0.04
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.57	0.27	-1.30
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.43	0.20	-0.98
La Porte County, IN	SO _x	Maintenance	100	-	0.01	0.01	-0.03
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.01
Lake County, IN	SO _x	Maintenance	100	-	0.12	0.05	-0.26
Lake County, OH	SO _x	Maintenance	100	-	0.01	0.01	-0.03
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.02	0.01	-0.04
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.04	0.02	-0.09
Lake Tahoe, NV	CO	Maintenance	100	-	0.01	0.00	-0.02

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.20	0.09	-0.45
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.20	0.09	-0.45
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.20	0.09	-0.46
LaPorte, IN	Ozone	Maintenance	100	-	0.04	0.02	-0.08
Las Vegas, NV	CO	Serious	100	-	0.78	0.36	-1.77
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.78	0.37	-1.79
Lauderdale County, AL	SO _x	Maintenance	100	-	0.03	0.02	-0.08
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.01
Lima, OH	Ozone	Maintenance	100	-	0.04	0.02	-0.10
Longmont, CO	CO	Maintenance	100	-	0.05	0.02	-0.11
Lorain County, OH	SO _x	Maintenance	100	-	0.02	0.01	-0.04
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	7.12	3.30	-16.34
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	7.12	3.30	-16.34
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	7.12	3.30	-16.34
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	7.12	3.30	-16.34
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	7.12	3.30	-16.34
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.33	0.15	-0.75
Louisville, KY-IN	Ozone	Maintenance	100	-	0.46	0.21	-1.04
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.43	0.20	-0.99
Lowell, MA	CO	Maintenance	100	-	0.05	0.02	-0.12
Lucas County, OH	SO _x	Maintenance	100	-	0.11	0.05	-0.25
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.02	0.01	-0.05
Macon, GA	Ozone	Maintenance	100	-	0.08	0.04	-0.17
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.08	0.04	-0.17
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Madison, WI	SO _x	Maintenance	100	-	0.12	0.06	-0.28
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.01	0.00	-0.01
Manchester, NH	CO	Maintenance	100	-	0.03	0.01	-0.06
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.04	0.02	-0.09

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Marion County, IN	SO _x	Maintenance	100	-	0.12	0.06	-0.27
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.06	0.03	-0.14
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.14	0.06	-0.31
Mason County, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.03
Medford, OR	CO	Maintenance	100	-	0.04	0.02	-0.09
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.10	0.05	-0.22
Memphis, TN-AR	Ozone	Maintenance	100	-	0.38	0.17	-0.88
Memphis, TN	CO	Maintenance	100	-	0.35	0.16	-0.82
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.01	0.01	-0.03
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.21	0.10	-0.47
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.77	0.36	-1.76
Minneapolis-St Paul, MN	CO	Maintenance	100	-	1.23	0.52	-3.07
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	1.26	0.59	-2.88
Missoula, MT	CO	Maintenance	100	-	0.03	0.01	-0.06
Missoula, MT	PM ₁₀	Moderate	100	-	0.03	0.01	-0.06
Modesto, CA	CO	Maintenance	100	-	0.16	0.08	-0.37
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.06	0.03	-0.13
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Morristown, NJ	CO	Maintenance	100	-	0.02	0.01	-0.04
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.01	0.01	-0.02
Muncie, IN	Ozone	Maintenance	100	-	0.04	0.02	-0.09
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	-0.01
Muscatine County, IA	SO _x	Maintenance	100	-	0.01	0.00	-0.02
Muskegon, MI	Ozone	Maintenance	100	-	0.06	0.03	-0.13
Nashua, NH	CO	Maintenance	100	-	0.02	0.01	-0.05
Nashville, TN	Ozone	Former Subpart 1	50	-	0.74	0.34	-1.73
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.09	0.04	-0.20
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.07	0.03	-0.16
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.31	0.15	-0.71
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	-0.01
New York County, NY	PM ₁₀	Moderate	100	-	0.17	0.08	-0.38
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	3.20	1.49	-7.30
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	6.26	2.92	-14.30
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	6.21	2.89	-14.17
Nogales, AZ	PM ₁₀	Moderate	100	-	0.02	0.01	-0.04

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.65	0.30	-1.49
Ogden, UT	CO	Maintenance	100	-	0.03	0.01	-0.06
Ogden, UT	PM ₁₀	Moderate	100	-	0.03	0.01	-0.06
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.02
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.05	0.02	-0.12
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.01
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.06	0.03	-0.13
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.06	0.03	-0.13
Payson, AZ	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.02
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.04	0.02	-0.09
Perth Amboy, NJ	CO	Maintenance	100	-	0.04	0.02	-0.10
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.14	0.07	-0.32
Phildelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	1.29	0.20	-5.01
Phildelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	2.17	0.62	-7.02
Phoenix, AZ	CO	Maintenance	100	-	2.77	1.29	-6.32
Phoenix, AZ	PM ₁₀	Serious	70	-	2.84	1.32	-6.48
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	2.85	1.33	-6.50
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.01	0.01	-0.03
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.79	0.37	-1.80
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.72	0.34	-1.65
Polk County, TN	SO _x	Maintenance	100	-	0.01	0.00	-0.02
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Portland, ME	Ozone	Maintenance	100	-	0.24	0.11	-0.54
Portland, OR	CO	Maintenance	100	-	0.48	0.22	-1.11
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.02	0.01	-0.04
Poughkeepsie, NY	Ozone	Moderate	50	-	0.68	0.32	-1.55
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Providence (entire State), RI	Ozone	Moderate	50	-	0.44	0.20	-0.99
Provo, UT	CO	Maintenance	100	-	0.08	0.04	-0.18
Raleigh-Durham, NC	CO	Maintenance	100	-	0.63	0.29	-1.43
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.85	0.40	-1.94
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Reading, PA	Ozone	Maintenance	100	-	0.14	0.06	-0.32

Table B2-36
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Butadiene 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.14	0.06	-0.32
Reno, NV	CO	Maintenance	100	-	0.10	0.05	-0.24
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.51	0.24	-1.18
Rillito, AZ	PM ₁₀	Moderate	100	-	0.03	0.01	-0.06
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.36	0.17	-0.81
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.10	0.05	-0.24
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.04	0.02	-0.08
Rochester, NY	Ozone	Former Subpart 1	50	-	0.56	0.26	-1.27
Rocky Mount, NC	Ozone	Maintenance	100	-	0.07	0.03	-0.17
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.05	0.02	-0.11
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.80	0.37	-1.82
Sacramento Metro, CA	Ozone	Severe	25	-	1.48	0.69	-3.39
Sacramento, CA	CO	Maintenance	100	-	0.90	0.42	-2.05
Salem, OR	CO	Maintenance	100	-	0.05	0.02	-0.12
Salt Lake City, UT	CO	Maintenance	100	-	0.09	0.04	-0.23
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.46	0.21	-1.05
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.46	0.21	-1.05
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.85	0.40	-1.94
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.20	0.09	-0.46
San Diego, CA	CO	Maintenance	100	-	2.14	1.00	-4.88
San Diego, CA	Ozone	Former Subpart 1	50	-	2.14	1.00	-4.89
San Francisco Bay Area, CA	Ozone	Marginal	50	-	2.40	0.63	-8.08
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	2.78	0.80	-8.94
San Joaquin Valley, CA	Ozone	Extreme	10	-	2.37	1.09	-5.49
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	2.38	1.09	-5.50
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	2.37	1.09	-5.49
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.02	0.01	-0.04
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.28	0.13	-0.64
Seattle-Tacoma, WA	CO	Maintenance	100	-	1.36	0.62	-3.18
Sheboygan, WI	Ozone	Moderate	50	-	0.05	0.02	-0.12
Sheridan, WY	PM ₁₀	Moderate	100	-	0.01	0.00	-0.02
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00

Table B2-36
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Butadiene 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Somerville, NJ	CO	Maintenance	100	-	0.01	0.00	-0.02
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.19	0.09	-0.43
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.05	0.02	-0.11
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.14	0.06	-0.31
Spokane, WA	CO	Maintenance	100	-	0.13	0.06	-0.31
Springfield (western MA), MA	Ozone	Moderate	50	-	0.37	0.17	-0.85
Springfield, MA	CO	Maintenance	100	-	0.07	0.03	-0.15
St Louis, MO	CO	Maintenance	100	-	0.31	0.14	-0.70
St Louis, MO-IL	Ozone	Moderate	50	-	1.16	0.54	-2.64
St. Louis, MO-IL	PM _{2,5}	Nonattainment	100	-	1.15	0.54	-2.63
State College, PA	Ozone	Maintenance	100	-	0.08	0.04	-0.18
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.02
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.02	0.01	-0.03
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.03	0.02	-0.08
Steubenville-Weirton, OH-WV	PM _{2,5}	Nonattainment	100	-	0.03	0.02	-0.08
Stockton, CA	CO	Maintenance	100	-	0.25	0.12	-0.58
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.20	0.09	-0.46
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.05	0.02	-0.11
Tioga County, PA	Ozone	Maintenance	100	-	0.02	0.01	-0.05
Toledo, OH	Ozone	Maintenance	100	-	0.21	0.10	-0.49
Toms River, NJ	CO	Maintenance	100	-	0.05	0.02	-0.12
Tooele County, UT	SO _x	Nonattainment	100	-	0.05	0.02	-0.10
Trenton, NJ	CO	Maintenance	100	-	0.04	0.02	-0.09
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Tucson, AZ	CO	Maintenance	100	-	0.47	0.22	-1.08
Utah County, UT	PM ₁₀	Moderate	100	-	0.23	0.11	-0.53
Vancouver, WA	CO	Maintenance	100	-	0.16	0.07	-0.36
Ventura County, CA	Ozone	Serious	50	-	0.44	0.20	-1.00
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Vigo County, IN	SO _x	Maintenance	100	-	0.05	0.02	-0.11
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.02	0.01	-0.05
Warren County, NJ	SO _x	Maintenance	100	-	0.02	0.01	-0.04
Warren County, PA	SO _x	Nonattainment	100	-	0.01	0.00	-0.01
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.09	0.04	-0.20
Washington, DC-MD-VA	CO	Maintenance	100	-	0.71	0.33	-1.61

Table B2-36
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Butadiene 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	2.53	1.18	-5.78
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	2.47	1.15	-5.64
Washoe County, NV	PM ₁₀	Serious	70	-	0.10	0.05	-0.24
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.02	0.01	-0.06
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.05	0.02	-0.12
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.05	0.02	-0.12
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.05	0.02	-0.12
Winston-Salem, NC	CO	Maintenance	100	-	0.18	0.08	-0.40
Worcester, MA	CO	Maintenance	100	-	0.11	0.05	-0.24
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.04	0.02	-0.09
Yakima, WA	CO	Maintenance	100	-	0.02	0.01	-0.05
York, PA	Ozone	Maintenance	100	-	0.20	0.09	-0.46
York, PA	PM _{2.5}	Nonattainment	100	-	0.16	0.07	-0.35
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.23	0.11	-0.53
Yuma, AZ	PM ₁₀	Moderate	100	-	0.09	0.04	-0.21

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

Table B2-37
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
DPM 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.03	0.13	1.28
Albuquerque, NM	CO	Maintenance	100	-	0.01	0.06	0.59
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.01	0.14
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.01	0.06	0.59
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.01	0.10
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.02	0.15
Anchorage, AK	CO	Maintenance	100	-	0.00	0.01	0.14
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Atlanta, GA	Ozone	Moderate	50	-	0.16	0.68	6.59
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.16	0.68	6.59
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.01	0.05
Bakersfield, CA	CO	Maintenance	100	-	-0.07	-0.07	0.20
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.01
Baltimore, MD	Ozone	Moderate	50	-	0.07	0.31	2.96
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.07	0.31	2.96
Baton Rouge, LA	Ozone	Moderate	50	-	-4.85	-6.78	-13.02
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-15.48	-21.80	-43.35
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.00	0.02	0.19
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.02
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.02	0.15
Billings, MT	CO	Maintenance	100	-	-2.57	-3.62	-7.20
Birmingham, AL	Ozone	Maintenance	100	-	-0.20	-0.22	0.38
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-0.20	-0.22	0.38
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.01	0.03	0.32
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.01	0.03	0.32
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Boston, MA	CO	Maintenance	100	-	0.02	0.09	0.86
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.12	0.53	5.10
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.02	0.07	0.64
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.01

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Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
DPM 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.03	0.12	1.16
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Canton-Massillon, OH	Ozone	Maintenance	100	-	-0.41	-0.55	-0.87
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-0.41	-0.55	-0.87
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.04
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.01
Charleston, WV	Ozone	Maintenance	100	-	0.01	0.03	0.28
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.28
Charlotte, NC	CO	Maintenance	100	-	0.02	0.07	0.72
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.04	0.17	1.62
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.01	0.06	0.55
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.01	0.05	0.50
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-7.04	-9.44	-13.35
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-7.03	-9.41	-13.11
Chico, CA	CO	Maintenance	100	-	0.00	0.01	0.10
Chico, CA	Ozone	Former Subpart 1	50	-	0.01	0.02	0.24
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.05	0.20	1.97
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.05	0.20	1.91
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Clark County, NV	PM ₁₀	Serious	70	-	0.04	0.15	1.45
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.01	0.03	0.26
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.00	0.02	0.18
Cleveland, OH	CO	Maintenance	100	-	0.02	0.10	0.97
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.06	0.27	2.60
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.06	0.25	2.40
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.01	0.06	0.61
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.01	0.06
Colorado Springs, CO	CO	Maintenance	100	-	0.01	0.06	0.58
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Columbia, SC	Ozone	Former Subpart 1	50	-	0.02	0.07	0.65
Columbus, OH	Ozone	Maintenance	100	-	0.04	0.17	1.65

Table B2-37
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
DPM 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.04	0.16	1.53
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	-0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.02	0.10	0.97
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.02	0.08	0.79
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.17	0.70	6.79
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.02	0.09	0.85
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.02	0.08	0.75
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-3.09	-4.15	-6.00
Denver-Boulder, CO	CO	Maintenance	100	-	-3.09	-4.16	-6.12
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-3.07	-4.09	-5.40
Detroit, MI	CO	Maintenance	100	-	-2.41	-3.28	-5.28
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-3.07	-4.01	-4.36
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-3.07	-4.02	-4.44
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.04
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.04
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.03
Duluth, MN	CO	Maintenance	100	-	0.00	0.01	0.08
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	-5.70	-8.02	-15.90
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	-1.71	-2.38	-4.39
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.03
Erie, PA	Ozone	Maintenance	100	-	0.01	0.02	0.23
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.01	0.02	0.23
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.01	0.02	0.22
Evansville, IN	Ozone	Maintenance	100	-	0.01	0.03	0.25
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.33
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.02
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.01	0.03	0.30
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Flint, MI	Ozone	Maintenance	100	-	0.01	0.05	0.53
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.00	0.02	0.17

Table B2-37
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.01	0.04	0.37
Franklin County, PA	Ozone	Maintenance	100	-	0.00	0.02	0.15
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.13
Fredericksburg, VA	Ozone	Maintenance	100	-	0.01	0.04	0.40
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.02
Fresno, CA	CO	Maintenance	100	-	0.01	0.06	0.57
Grand Rapids, MI	Ozone	Maintenance	100	-	0.02	0.08	0.80
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.04
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.02
Greater Connecticut, CT	Ozone	Moderate	50	-	0.04	0.17	1.66
Greeley, CO	CO	Maintenance	100	-	0.00	0.01	0.12
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.01	0.12
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.01	0.05
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.05
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.04	0.17	1.63
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.02	0.08	0.81
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.02	0.09	0.91
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.02
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.01	0.11
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.02	0.09	0.85
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.08	0.78
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.03	0.11	1.08
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.01
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.04
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	0.04
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.02	0.18
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.01	0.03	0.30
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-23.52	-32.77	-61.24
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-3.11	-4.37	-8.51

Table B2-37
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
		t					
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-3.12	-4.38	-8.65
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.03
Imperial County, CA	Ozone	Moderate	50	-	0.01	0.02	0.21
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.01	0.02	0.21
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.05	0.21	1.99
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.04	0.16	1.57
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.01	0.08
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.02	0.16
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.01	0.12
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.01	0.02	0.22
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.01	0.11
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.12
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.01	0.05	0.51
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.04	0.17	1.65
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.01	0.14
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.08
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.02
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.01	0.05
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.05
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.03	0.12	1.16
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.02	0.09	0.90
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.04
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Lake County, IN	SO _x	Maintenance	100	-	0.01	0.03	0.31
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.04
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.03
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.01	0.06
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.02

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.01	0.05	0.45
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.05	0.45
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.01	0.05	0.48
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.01	0.10
Las Vegas, NV	CO	Serious	100	-	0.04	0.15	1.45
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.04	0.15	1.47
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.01	0.09
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Lima, OH	Ozone	Maintenance	100	-	-3.96	-5.58	-11.08
Longmont, CO	CO	Maintenance	100	-	0.00	0.01	0.09
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.05
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-10.86	-14.27	-16.69
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	-10.86	-14.27	-16.69
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-10.86	-14.27	-16.69
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-10.86	-14.27	-16.69
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-10.86	-14.27	-16.69
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.02	0.07	0.68
Louisville, KY-IN	Ozone	Maintenance	100	-	0.03	0.12	1.14
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.03	0.11	1.11
Lowell, MA	CO	Maintenance	100	-	0.00	0.01	0.11
Lucas County, OH	SO _x	Maintenance	100	-	0.01	0.03	0.31
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.06
Macon, GA	Ozone	Maintenance	100	-	0.01	0.02	0.22
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.21
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.01	0.02	0.24
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Manchester, NH	CO	Maintenance	100	-	0.00	0.01	0.08
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.01	0.10

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DPM 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Marion County, IN	SO _x	Maintenance	100	-	0.01	0.03	0.32
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.11
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.32
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.03
Medford, OR	CO	Maintenance	100	-	0.00	0.01	0.08
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.00	0.02	0.18
Memphis, TN-AR	Ozone	Maintenance	100	-	-1.20	-1.62	-2.43
Memphis, TN	CO	Maintenance	100	-	-1.20	-1.63	-2.52
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.03
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.01
Milwaukee, WI	SO _x	Maintenance	100	-	0.01	0.06	0.54
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.04	0.18	1.78
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.07	0.30	2.86
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.07	0.29	2.78
Missoula, MT	CO	Maintenance	100	-	0.00	0.01	0.06
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.06
Modesto, CA	CO	Maintenance	100	-	0.01	0.03	0.29
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.01	0.10
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	0.03
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.03
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.01	0.12
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.02
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.01	0.13
Nashua, NH	CO	Maintenance	100	-	0.00	0.01	0.06
Nashville, TN	Ozone	Former Subpart 1	50	-	0.04	0.17	1.62
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.13
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.01	0.14
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.02	0.08	0.80
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.01
New York County, NY	PM ₁₀	Moderate	100	-	0.01	0.05	0.47
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-1.08	-0.98	4.29
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-1.39	-0.93	9.93
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-1.40	-0.95	9.81
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.04

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-4.38	-6.06	-10.89
Ogden, UT	CO	Maintenance	100	-	0.00	0.01	0.07
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.01	0.07
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.10
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.02	0.15
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.02	0.15
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.01	0.10
Perth Amboy, NJ	CO	Maintenance	100	-	-0.47	-0.66	-1.26
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.01	0.04	0.40
Phildelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-6.74	-9.19	-14.86
Phildelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-6.70	-9.00	-12.83
Phoenix, AZ	CO	Maintenance	100	-	0.10	0.45	4.38
Phoenix, AZ	PM ₁₀	Serious	70	-	0.11	0.46	4.52
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.11	0.47	4.53
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.02
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.05	0.21	2.03
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.04	0.19	1.85
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.02
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.01	0.06	0.56
Portland, OR	CO	Maintenance	100	-	0.00	0.08	1.09
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.04
Poughkeepsie, NY	Ozone	Moderate	50	-	0.03	0.14	1.33
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Providence (entire State), RI	Ozone	Moderate	50	-	0.02	0.10	0.98
Provo, UT	CO	Maintenance	100	-	0.00	0.02	0.16
Raleigh-Durham, NC	CO	Maintenance	100	-	0.03	0.13	1.27
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.04	0.18	1.74
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.01	0.03	0.33

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.33
Reno, NV	CO	Maintenance	100	-	0.01	0.03	0.24
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.02	0.12	1.21
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.05
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.01	0.06	0.61
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.01	0.03	0.27
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.01	0.08
Rochester, NY	Ozone	Former Subpart 1	50	-	0.03	0.14	1.34
Rocky Mount, NC	Ozone	Maintenance	100	-	0.00	0.02	0.19
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.12
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.03	0.15	1.43
Sacramento Metro, CA	Ozone	Severe	25	-	0.06	0.26	2.54
Sacramento, CA	CO	Maintenance	100	-	0.04	0.16	1.59
Salem, OR	CO	Maintenance	100	-	0.00	0.01	0.13
Salt Lake City, UT	CO	Maintenance	100	-	-1.10	-1.53	-2.91
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-1.08	-1.45	-2.10
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.02	0.11	1.02
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.04	0.19	1.83
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.01	0.04	0.42
San Diego, CA	CO	Maintenance	100	-	0.10	0.41	4.00
San Diego, CA	Ozone	Former Subpart 1	50	-	0.10	0.42	4.01
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-8.97	-12.21	-19.51
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-8.95	-12.13	-18.66
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.02	0.34	4.12
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.02	0.34	4.14
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.02	0.34	4.12
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.03
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.02	0.07	0.67
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.07	0.30	2.94
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.01	0.12
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00

Table B2-37
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
DPM 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.02
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.01	0.05	0.45
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	0.17
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.01	0.03	0.29
Spokane, WA	CO	Maintenance	100	-	0.01	0.03	0.29
Springfield (western MA), MA	Ozone	Moderate	50	-	0.02	0.09	0.90
Springfield, MA	CO	Maintenance	100	-	0.00	0.01	0.14
St Louis, MO	CO	Maintenance	100	-	0.02	0.10	0.95
St Louis, MO-IL	Ozone	Moderate	50	-	-17.67	-24.71	-47.11
St. Louis, MO-IL	PM _{2,5}	Nonattainment	100	-	-17.67	-24.71	-47.13
State College, PA	Ozone	Maintenance	100	-	0.00	0.02	0.17
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	0.04
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.03	-0.03	0.01
Steubenville-Weirton, OH-WV	PM _{2,5}	Nonattainment	100	-	-0.03	-0.03	0.01
Stockton, CA	CO	Maintenance	100	-	0.01	0.05	0.44
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.01	0.05	0.52
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.01	0.14
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.01	0.06
Toledo, OH	Ozone	Maintenance	100	-	-4.11	-5.76	-11.10
Toms River, NJ	CO	Maintenance	100	-	0.00	0.01	0.10
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.01	0.10
Trenton, NJ	CO	Maintenance	100	-	0.00	0.01	0.09
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.02	0.10	0.97
Utah County, UT	PM ₁₀	Moderate	100	-	0.01	0.05	0.47
Vancouver, WA	CO	Maintenance	100	-	0.01	0.03	0.30
Ventura County, CA	Ozone	Serious	50	-	0.01	0.08	0.79
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.14
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.01	0.06
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	0.04
Warren County, PA	SO _x	Nonattainment	100	-	-0.00	-0.00	0.01
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.01	0.02	0.21
Washington, DC-MD-VA	CO	Maintenance	100	-	0.04	0.16	1.56

Table B2-37
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
DPM 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.13	0.55	5.30
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.13	0.54	5.19
Washoe County, NV	PM ₁₀	Serious	70	-	0.01	0.03	0.24
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.07
Wayne County, MI	PM ₁₀	Maintenance	100	-	-1.87	-2.64	-5.22
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.01
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.02	0.15
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.02	0.15
Winston-Salem, NC	CO	Maintenance	100	-	0.01	0.04	0.41
Worcester, MA	CO	Maintenance	100	-	0.01	0.02	0.21
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.09
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	0.04
York, PA	Ozone	Maintenance	100	-	0.01	0.05	0.44
York, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.04	0.34
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.02	0.07	0.66
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.02	0.18

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

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

c/ Emissions thresholds in tons/year of: VOC or NO_x in ozone NAAs; primary PM_{2.5} in PM_{2.5} NAAs. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the proposed actions. Source: EPA, 2008.

Table B2-38
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
DPM 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.14	0.91	3.99
Albuquerque, NM	CO	Maintenance	100	-	0.07	0.42	1.84
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.02	0.10	0.45
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.07	0.42	1.85
Altoona, PA	Ozone	Maintenance	100	-	0.01	0.07	0.32
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.02	0.12	0.52
Anchorage, AK	CO	Maintenance	100	-	0.02	0.10	0.44
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.02
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Atlanta, GA	Ozone	Moderate	50	-	0.75	4.76	20.91
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.75	4.76	20.93
Atlantic City, NJ	CO	Maintenance	100	-	0.01	0.04	0.16
Bakersfield, CA	CO	Maintenance	100	-	-0.15	0.01	0.85
Baltimore, MD	CO	Maintenance	100	-	0.00	0.01	0.03
Baltimore, MD	Ozone	Moderate	50	-	0.33	2.13	9.34
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.33	2.13	9.34
Baton Rouge, LA	Ozone	Moderate	50	-	-11.55	-17.54	-28.95
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-36.99	-57.19	-98.06
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.02	0.13	0.56
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.02	0.07
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.02	0.10	0.46
Billings, MT	CO	Maintenance	100	-	-6.15	-9.50	-16.28
Birmingham, AL	Ozone	Maintenance	100	-	-0.44	-0.13	1.69
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-0.44	-0.13	1.70
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.04	0.23	1.02
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.04	0.23	1.02
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.01	0.05
Boston, MA	CO	Maintenance	100	-	0.10	0.61	2.66
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.57	3.63	15.94
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.07	0.46	2.03
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.01	0.03

Table B2-38
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
DPM 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.13	0.82	3.60
Burlington, NJ	CO	Maintenance	100	-	0.00	0.01	0.03
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.07
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	0.06
Canton-Massillon, OH	Ozone	Maintenance	100	-	-0.96	-1.33	-1.73
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-0.96	-1.33	-1.73
Case County, MI	Ozone	Maintenance	100	-	0.00	0.03	0.14
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.02
Charleston, WV	Ozone	Maintenance	100	-	0.03	0.20	0.86
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.03	0.20	0.86
Charlotte, NC	CO	Maintenance	100	-	0.08	0.52	2.30
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.18	1.17	5.14
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.06	0.39	1.70
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.05	0.35	1.55
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-16.44	-21.73	-24.16
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-16.42	-21.55	-23.41
Chico, CA	CO	Maintenance	100	-	0.01	0.08	0.34
Chico, CA	Ozone	Former Subpart 1	50	-	0.03	0.18	0.78
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.22	1.40	6.15
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.21	1.36	5.97
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.04
Clark County, NV	PM ₁₀	Serious	70	-	0.17	1.07	4.69
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.03	0.18	0.81
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.02	0.13	0.56
Cleveland, OH	CO	Maintenance	100	-	0.10	0.66	2.92
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.29	1.83	8.03
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.27	1.69	7.40
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.07	0.46	2.00
Colbert County, AL	SO _x	Maintenance	100	-	0.01	0.04	0.19
Colorado Springs, CO	CO	Maintenance	100	-	0.07	0.42	1.85
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Columbia, SC	Ozone	Former Subpart 1	50	-	0.07	0.46	2.03
Columbus, OH	Ozone	Maintenance	100	-	0.19	1.20	5.25

Table B2-38
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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.17	1.11	4.87
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	-0.00	0.01
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.10	0.66	2.92
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.09	0.54	2.39
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.78	4.96	21.78
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.09	0.59	2.61
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.08	0.52	2.30
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-7.21	-9.59	-10.91
Denver-Boulder, CO	CO	Maintenance	100	-	-7.23	-9.68	-11.32
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-7.14	-9.15	-9.00
Detroit, MI	CO	Maintenance	100	-	-5.65	-7.92	-10.68
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-7.10	-8.53	-5.97
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-7.10	-8.59	-6.24
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.03	0.12
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.03	0.11
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.02	0.09
Duluth, MN	CO	Maintenance	100	-	0.01	0.06	0.25
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.01	0.03
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	-13.61	-21.01	-35.91
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	-4.07	-6.06	-9.55
El Paso, TX	CO	Maintenance	100	-	0.00	0.02	0.10
Erie, PA	Ozone	Maintenance	100	-	0.03	0.16	0.71
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.03	0.16	0.72
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.02	0.16	0.69
Evansville, IN	Ozone	Maintenance	100	-	0.03	0.18	0.79
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.04	0.23	1.02
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.01	0.05
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.03	0.21	0.92
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Flint, MI	Ozone	Maintenance	100	-	0.06	0.37	1.62
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.02	0.13	0.55

Table B2-38
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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.04	0.26	1.14
Franklin County, PA	Ozone	Maintenance	100	-	0.02	0.11	0.47
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.01	0.09	0.41
Fredericksburg, VA	Ozone	Maintenance	100	-	0.05	0.30	1.30
Freehold, NJ	CO	Maintenance	100	-	0.00	0.01	0.05
Fresno, CA	CO	Maintenance	100	-	0.07	0.42	1.84
Grand Rapids, MI	Ozone	Maintenance	100	-	0.09	0.58	2.53
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.03	0.13
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.01
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.02	0.10
Great Falls, MT	CO	Maintenance	100	-	0.00	0.01	0.06
Greater Connecticut, CT	Ozone	Moderate	50	-	0.18	1.17	5.13
Greeley, CO	CO	Maintenance	100	-	0.01	0.09	0.38
Green Bay, WI	SO _x	Maintenance	100	-	0.01	0.09	0.38
Greene County, IN	Ozone	Maintenance	100	-	0.01	0.03	0.15
Greene County, PA	Ozone	Maintenance	100	-	0.01	0.03	0.14
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.18	1.15	5.06
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.09	0.57	2.50
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.10	0.64	2.80
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.02	0.07
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.01	0.08	0.36
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.10	0.61	2.67
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.09	0.56	2.47
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.12	0.76	3.32
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.01	0.03
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.03	0.12
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.02
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.03	0.12
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.02	0.13	0.56
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.03	0.21	0.91
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-55.91	-83.74	-134.04
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-7.43	-11.36	-19.06

Table B2-38
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
		t					
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-7.44	-11.46	-19.49
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.02	0.09
Imperial County, CA	Ozone	Moderate	50	-	0.02	0.16	0.68
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.02	0.15	0.67
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.02	0.10
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.22	1.42	6.26
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.18	1.13	4.96
Jackson County, IN	Ozone	Maintenance	100	-	0.01	0.06	0.25
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.02	0.11	0.48
Jefferson County, NY	Ozone	Moderate	50	-	0.01	0.09	0.39
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.02	0.15	0.68
Johnstown, PA	Ozone	Maintenance	100	-	0.01	0.07	0.31
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.08	0.35
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.01	0.03
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.06	0.36	1.57
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.02	0.09
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.19	1.18	5.20
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.02	0.10	0.45
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.02	0.08
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.01	0.06	0.26
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.02	0.08
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.03
Klamath Falls, OR	CO	Maintenance	100	-	0.01	0.04	0.15
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.01	0.04	0.15
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.13	0.85	3.71
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.10	0.65	2.87
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.02	0.11
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.05
Lake County, IN	SO _x	Maintenance	100	-	0.03	0.22	0.95
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.03	0.11
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.02	0.09
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.01	0.04	0.20
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.01	0.06

Table B2-38
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	0.03
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.05	0.32	1.41
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.05	0.32	1.41
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.05	0.34	1.49
LaPorte, IN	Ozone	Maintenance	100	-	0.01	0.07	0.30
Las Vegas, NV	CO	Serious	100	-	0.17	1.07	4.69
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.17	1.08	4.76
Lauderdale County, AL	SO _x	Maintenance	100	-	0.01	0.06	0.27
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.01
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.02
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.04
Lima, OH	Ozone	Maintenance	100	-	-9.46	-14.62	-25.06
Longmont, CO	CO	Maintenance	100	-	0.01	0.06	0.29
Lorain County, OH	SO _x	Maintenance	100	-	0.01	0.03	0.14
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-25.13	-30.79	-24.29
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	-25.13	-30.79	-24.29
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-25.13	-30.79	-24.29
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-25.13	-30.79	-24.29
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-25.13	-30.79	-24.30
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.08	0.49	2.16
Louisville, KY-IN	Ozone	Maintenance	100	-	0.13	0.80	3.52
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.12	0.78	3.40
Lowell, MA	CO	Maintenance	100	-	0.01	0.08	0.35
Lucas County, OH	SO _x	Maintenance	100	-	0.03	0.21	0.93
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.04	0.19
Macon, GA	Ozone	Maintenance	100	-	0.02	0.15	0.65
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.02	0.15	0.65
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Madison, WI	SO _x	Maintenance	100	-	0.03	0.17	0.77
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.01	0.03
Manchester, NH	CO	Maintenance	100	-	0.01	0.05	0.24
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.01	0.07	0.32

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Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Marion County, IN	SO _x	Maintenance	100	-	0.03	0.22	0.97
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.08	0.35
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.04	0.23	0.99
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.02	0.08
Medford, OR	CO	Maintenance	100	-	0.01	0.06	0.24
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.02	0.13	0.58
Memphis, TN-AR	Ozone	Maintenance	100	-	-2.81	-3.82	-4.72
Memphis, TN	CO	Maintenance	100	-	-2.82	-3.88	-4.97
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.02	0.09
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.02
Milwaukee, WI	SO _x	Maintenance	100	-	0.06	0.38	1.65
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.20	1.26	5.55
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.32	2.05	9.00
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.31	1.99	8.75
Missoula, MT	CO	Maintenance	100	-	0.01	0.04	0.19
Missoula, MT	PM ₁₀	Moderate	100	-	0.01	0.04	0.19
Modesto, CA	CO	Maintenance	100	-	0.03	0.22	0.97
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.01	0.07	0.32
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Morristown, NJ	CO	Maintenance	100	-	0.00	0.02	0.10
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.02	0.09
Muncie, IN	Ozone	Maintenance	100	-	0.01	0.08	0.36
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.01	0.05
Muskegon, MI	Ozone	Maintenance	100	-	0.01	0.09	0.40
Nashua, NH	CO	Maintenance	100	-	0.01	0.04	0.19
Nashville, TN	Ozone	Former Subpart 1	50	-	0.18	1.16	5.11
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.02	0.10	0.44
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.02	0.10	0.43
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.09	0.56	2.45
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.02
New York County, NY	PM ₁₀	Moderate	100	-	0.05	0.32	1.42
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-2.17	0.82	16.22
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-2.54	4.03	35.07
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-2.55	3.94	34.68
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.03	0.13

Table B2-38
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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-10.38	-15.27	-23.40
Ogden, UT	CO	Maintenance	100	-	0.01	0.05	0.22
Ogden, UT	PM ₁₀	Moderate	100	-	0.01	0.05	0.22
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.01	0.07
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.01	0.08	0.33
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.01
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.02	0.10	0.45
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.02	0.10	0.45
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.01	0.06
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.01	0.07	0.31
Perth Amboy, NJ	CO	Maintenance	100	-	-1.12	-1.70	-2.79
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.04	0.28	1.22
Phildelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-15.87	-22.24	-30.04
Phildelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-15.68	-20.84	-23.67
Phoenix, AZ	CO	Maintenance	100	-	0.52	3.34	14.69
Phoenix, AZ	PM ₁₀	Serious	70	-	0.54	3.44	15.13
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.54	3.45	15.19
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.03
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.02	0.07
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.22	1.42	6.23
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.20	1.29	5.69
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.01	0.07
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Portland, ME	Ozone	Maintenance	100	-	0.06	0.40	1.75
Portland, OR	CO	Maintenance	100	-	0.07	0.73	3.45
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.03	0.14
Poughkeepsie, NY	Ozone	Moderate	50	-	0.15	0.97	4.26
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.01	0.03
Providence (entire State), RI	Ozone	Moderate	50	-	0.11	0.70	3.07
Provo, UT	CO	Maintenance	100	-	0.02	0.12	0.51
Raleigh-Durham, NC	CO	Maintenance	100	-	0.15	0.93	4.07
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.20	1.26	5.55
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Reading, PA	Ozone	Maintenance	100	-	0.04	0.24	1.04

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Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.04	0.24	1.04
Reno, NV	CO	Maintenance	100	-	0.03	0.17	0.76
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.12	0.84	3.78
Rillito, AZ	PM ₁₀	Moderate	100	-	0.01	0.03	0.15
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.07	0.46	2.00
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.03	0.19	0.82
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.01	0.06	0.25
Rochester, NY	Ozone	Former Subpart 1	50	-	0.15	0.95	4.17
Rocky Mount, NC	Ozone	Maintenance	100	-	0.02	0.13	0.58
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.01	0.09	0.37
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.01
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.17	1.06	4.67
Sacramento Metro, CA	Ozone	Severe	25	-	0.30	1.91	8.39
Sacramento, CA	CO	Maintenance	100	-	0.19	1.19	5.21
Salem, OR	CO	Maintenance	100	-	0.01	0.09	0.41
Salt Lake City, UT	CO	Maintenance	100	-	-2.61	-3.94	-6.41
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-2.52	-3.36	-3.86
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.12	0.73	3.21
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.21	1.32	5.80
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.05	0.31	1.34
San Diego, CA	CO	Maintenance	100	-	0.46	2.95	12.97
San Diego, CA	Ozone	Former Subpart 1	50	-	0.47	2.96	12.99
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-21.09	-29.29	-38.50
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-21.00	-28.69	-35.84
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.31	2.93	13.67
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.31	2.94	13.73
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.31	2.93	13.67
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.02	0.10
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.07	0.48	2.09
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.33	2.12	9.32
Sheboygan, WI	Ozone	Moderate	50	-	0.01	0.08	0.37
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.02	0.07
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Somerville, NJ	CO	Maintenance	100	-	0.00	0.01	0.05
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.05	0.32	1.41
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.01	0.11	0.52
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.03	0.21	0.93
Spokane, WA	CO	Maintenance	100	-	0.03	0.21	0.92
Springfield (western MA), MA	Ozone	Moderate	50	-	0.10	0.63	2.78
Springfield, MA	CO	Maintenance	100	-	0.02	0.10	0.45
St Louis, MO	CO	Maintenance	100	-	0.10	0.65	2.86
St Louis, MO-IL	Ozone	Moderate	50	-	-42.08	-63.72	-104.50
St. Louis, MO-IL	PM _{2,5}	Nonattainment	100	-	-42.08	-63.73	-104.56
State College, PA	Ozone	Maintenance	100	-	0.02	0.12	0.53
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	0.06
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.03	0.13
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.06	-0.05	0.10
Steubenville-Weirton, OH-WV	PM _{2,5}	Nonattainment	100	-	-0.06	-0.05	0.10
Stockton, CA	CO	Maintenance	100	-	0.05	0.33	1.45
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.06	0.36	1.60
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.01	0.09	0.41
Tioga County, PA	Ozone	Maintenance	100	-	0.01	0.04	0.18
Toledo, OH	Ozone	Maintenance	100	-	-9.80	-14.92	-24.73
Toms River, NJ	CO	Maintenance	100	-	0.01	0.07	0.31
Tooele County, UT	SO _x	Nonattainment	100	-	0.01	0.07	0.31
Trenton, NJ	CO	Maintenance	100	-	0.01	0.06	0.28
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Tucson, AZ	CO	Maintenance	100	-	0.11	0.71	3.10
Utah County, UT	PM ₁₀	Moderate	100	-	0.05	0.34	1.51
Vancouver, WA	CO	Maintenance	100	-	0.03	0.22	0.97
Ventura County, CA	Ozone	Serious	50	-	0.08	0.58	2.59
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Vigo County, IN	SO _x	Maintenance	100	-	0.01	0.09	0.41
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.01	0.04	0.18
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.03	0.11
Warren County, PA	SO _x	Nonattainment	100	-	-0.01	-0.00	0.03
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.02	0.15	0.66
Washington, DC-MD-VA	CO	Maintenance	100	-	0.18	1.11	4.88

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.60	3.83	16.84
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.59	3.75	16.49
Washoe County, NV	PM ₁₀	Serious	70	-	0.03	0.17	0.76
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Wayne County, IN	SO _x	Maintenance	100	-	0.01	0.05	0.22
Wayne County, MI	PM ₁₀	Maintenance	100	-	-4.48	-6.91	-11.80
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.01	0.03
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.01	0.04
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.02	0.11	0.47
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.02	0.11	0.47
Winston-Salem, NC	CO	Maintenance	100	-	0.05	0.29	1.28
Worcester, MA	CO	Maintenance	100	-	0.02	0.15	0.68
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.01	0.07	0.29
Yakima, WA	CO	Maintenance	100	-	0.00	0.03	0.12
York, PA	Ozone	Maintenance	100	-	0.05	0.32	1.39
York, PA	PM _{2.5}	Nonattainment	100	-	0.04	0.25	1.08
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.07	0.45	1.99
Yuma, AZ	PM ₁₀	Moderate	100	-	0.02	0.13	0.58

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

Table B2-39
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
DPM 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.01	0.02
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.02	0.05
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.02	0.05
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.76	5.71	14.39
Albuquerque, NM	CO	Maintenance	100	-	0.35	2.60	6.55
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.09	0.69	1.74
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.35	2.63	6.64
Altoona, PA	Ozone	Maintenance	100	-	0.05	0.42	1.05
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.12	0.90	2.27
Anchorage, AK	CO	Maintenance	100	-	0.09	0.67	1.70
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.03	0.08
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.02	0.05
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.03	0.08
Atlanta, GA	Ozone	Moderate	50	-	4.15	31.20	78.67
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	4.16	31.21	78.70
Atlantic City, NJ	CO	Maintenance	100	-	0.03	0.22	0.55
Bakersfield, CA	CO	Maintenance	100	-	-0.38	1.11	3.81
Baltimore, MD	CO	Maintenance	100	-	0.01	0.04	0.11
Baltimore, MD	Ozone	Moderate	50	-	1.82	13.66	34.44
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	1.82	13.66	34.44
Baton Rouge, LA	Ozone	Moderate	50	-	-38.69	-54.77	-77.63
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-124.34	-182.88	-268.52
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Benton Harbor, MI	Ozone	Maintenance	100	-	0.10	0.73	1.83
Benzie County, MI	Ozone	Maintenance	100	-	0.02	0.11	0.29
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.09	0.67	1.70
Billings, MT	CO	Maintenance	100	-	-20.66	-30.35	-44.53
Birmingham, AL	Ozone	Maintenance	100	-	-1.27	1.61	6.90
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-1.27	1.62	6.94
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.20	1.51	3.80
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.20	1.51	3.80
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.01	0.08	0.21
Boston, MA	CO	Maintenance	100	-	0.50	3.72	9.38
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	3.03	22.74	57.33
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.40	2.97	7.50
Boyd County (part), KY	SO _x	Maintenance	100	-	0.01	0.04	0.10

Table B2-39
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
DPM 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.66	4.98	12.56
Burlington, NJ	CO	Maintenance	100	-	0.00	0.03	0.08
Butte, MT	PM ₁₀	Moderate	100	-	0.01	0.08	0.21
Canon City, CO	PM ₁₀	Maintenance	100	-	0.01	0.09	0.24
Canton-Massillon, OH	Ozone	Maintenance	100	-	-3.16	-3.69	-4.16
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-3.16	-3.69	-4.16
Case County, MI	Ozone	Maintenance	100	-	0.02	0.19	0.47
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.02	0.06
Charleston, WV	Ozone	Maintenance	100	-	0.15	1.13	2.84
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.15	1.13	2.84
Charlotte, NC	CO	Maintenance	100	-	0.46	3.46	8.71
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	1.02	7.63	19.24
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.31	2.35	5.94
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.29	2.16	5.45
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-53.70	-53.85	-46.14
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-53.56	-52.76	-43.40
Chico, CA	CO	Maintenance	100	-	0.08	0.58	1.46
Chico, CA	Ozone	Former Subpart 1	50	-	0.17	1.27	3.20
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	1.17	8.77	22.10
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	1.13	8.49	21.42
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.01	0.05	0.14
Clark County, NV	PM ₁₀	Serious	70	-	0.99	7.40	18.66
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.16	1.20	3.03
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.10	0.78	1.96
Cleveland, OH	CO	Maintenance	100	-	0.50	3.76	9.47
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	1.47	11.04	27.85
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	1.35	10.14	25.57
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.44	3.29	8.29
Colbert County, AL	SO _x	Maintenance	100	-	0.03	0.24	0.60
Colorado Springs, CO	CO	Maintenance	100	-	0.38	2.82	7.11
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.03	0.07
Columbia, SC	Ozone	Former Subpart 1	50	-	0.38	2.89	7.29
Columbus, OH	Ozone	Maintenance	100	-	1.05	7.89	19.88

Table B2-39
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
DPM 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.98	7.33	18.48
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	0.00	0.02
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.50	3.76	9.47
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.42	3.12	7.88
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	4.44	33.33	84.04
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.47	3.52	8.87
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.41	3.10	7.82
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-23.51	-23.53	-20.08
Denver-Boulder, CO	CO	Maintenance	100	-	-23.59	-24.15	-21.64
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-23.12	-20.62	-12.75
Detroit, MI	CO	Maintenance	100	-	-18.47	-22.24	-26.21
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-22.89	-17.55	-4.65
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-22.94	-17.93	-5.61
Door County, WI	Ozone	Former Subpart 1	50	-	0.02	0.17	0.43
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.02	0.15	0.38
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.02	0.12	0.31
Duluth, MN	CO	Maintenance	100	-	0.04	0.34	0.85
Eagle River, AK	PM ₁₀	Moderate	100	-	0.01	0.04	0.11
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	-45.74	-67.07	-98.22
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.01
El Paso County, TX	PM ₁₀	Moderate	100	-	-13.58	-18.35	-24.81
El Paso, TX	CO	Maintenance	100	-	0.02	0.14	0.35
Erie, PA	Ozone	Maintenance	100	-	0.13	0.96	2.43
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.01	0.02
Eugene-Springfield, OR	CO	Maintenance	100	-	0.14	1.05	2.64
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.13	1.00	2.53
Evansville, IN	Ozone	Maintenance	100	-	0.15	1.10	2.78
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.19	1.41	3.55
Fairbanks, AK	CO	Maintenance	100	-	0.01	0.08	0.21
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.17	1.30	3.29
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.03	0.09
Flint, MI	Ozone	Maintenance	100	-	0.30	2.23	5.62
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Fort Collins, CO	CO	Maintenance	100	-	0.11	0.85	2.15

Table B2-39
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
DPM 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	0.22	1.62	4.07
Franklin County, PA	Ozone	Maintenance	100	-	0.09	0.69	1.74
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.08	0.58	1.46
Fredericksburg, VA	Ozone	Maintenance	100	-	0.27	2.03	5.11
Freehold, NJ	CO	Maintenance	100	-	0.01	0.09	0.22
Fresno, CA	CO	Maintenance	100	-	0.37	2.79	7.04
Grand Rapids, MI	Ozone	Maintenance	100	-	0.50	3.74	9.44
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.02	0.17	0.42
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.01	0.03
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.01
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.02	0.16	0.40
Great Falls, MT	CO	Maintenance	100	-	0.01	0.08	0.19
Greater Connecticut, CT	Ozone	Moderate	50	-	0.94	7.07	17.81
Greeley, CO	CO	Maintenance	100	-	0.08	0.57	1.44
Green Bay, WI	SO _x	Maintenance	100	-	0.07	0.55	1.39
Greene County, IN	Ozone	Maintenance	100	-	0.03	0.21	0.54
Greene County, PA	Ozone	Maintenance	100	-	0.03	0.19	0.49
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.94	7.07	17.84
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.46	3.46	8.74
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.51	3.82	9.63
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.01	0.10	0.25
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.07	0.51	1.29
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.52	3.92	9.88
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.48	3.61	9.11
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.60	4.51	11.38
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.01	0.05	0.12
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.03	0.19	0.48
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.02	0.06
Hazelwood, PA	SO _x	Maintenance	100	-	0.02	0.17	0.44
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.10	0.74	1.88
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.17	1.25	3.15
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.01	0.02
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-186.75	-256.02	-351.50
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.01	0.03
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-24.93	-35.92	-51.76

Table B2-39
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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
		t					
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-25.01	-36.52	-53.29
Huron County, MI	Ozone	Maintenance	100	-	0.02	0.12	0.30
Imperial County, CA	Ozone	Moderate	50	-	0.14	1.07	2.70
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.14	1.05	2.65
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.02	0.14	0.36
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.01
Indianapolis, IN	Ozone	Maintenance	100	-	1.22	9.15	23.06
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.97	7.27	18.32
Jackson County, IN	Ozone	Maintenance	100	-	0.05	0.34	0.86
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.09	0.67	1.69
Jefferson County, NY	Ozone	Moderate	50	-	0.07	0.54	1.36
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.03	0.08
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.12	0.92	2.32
Johnstown, PA	Ozone	Maintenance	100	-	0.05	0.38	0.96
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.06	0.42	1.06
Juneau, AK	PM ₁₀	Moderate	100	-	0.01	0.05	0.14
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.29	2.18	5.49
Kalispell, MT	PM ₁₀	Moderate	100	-	0.02	0.14	0.36
Kansas City, MO-KS	Ozone	Maintenance	100	-	1.02	7.63	19.24
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.09	0.66	1.67
Kent, WA	PM ₁₀	Maintenance	100	-	0.02	0.12	0.31
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.05	0.36	0.91
Kewaunee County, WI	Ozone	Maintenance	100	-	0.01	0.10	0.26
King County, WA	PM ₁₀	Maintenance	100	-	0.01	0.05	0.12
Klamath Falls, OR	CO	Maintenance	100	-	0.03	0.21	0.53
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.03	0.21	0.53
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.75	5.61	14.16
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.57	4.28	10.80
La Porte County, IN	SO _x	Maintenance	100	-	0.02	0.14	0.36
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.01	0.07	0.17
Lake County, IN	SO _x	Maintenance	100	-	0.17	1.27	3.19
Lake County, OH	SO _x	Maintenance	100	-	0.02	0.15	0.39
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.03	0.06
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.02	0.16	0.40
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.05	0.35	0.89
Lake Tahoe, NV	CO	Maintenance	100	-	0.01	0.09	0.22

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.04	0.09
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
Lancaster, PA	Ozone	Maintenance	100	-	0.27	2.02	5.10
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.27	2.02	5.10
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.28	2.10	5.29
LaPorte, IN	Ozone	Maintenance	100	-	0.05	0.40	1.00
Las Vegas, NV	CO	Serious	100	-	0.99	7.40	18.66
Las Vegas, NV	Ozone	Former Subpart 1	50	-	1.00	7.49	18.89
Lauderdale County, AL	SO _x	Maintenance	100	-	0.05	0.37	0.93
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.01	0.02
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.02	0.04
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.02	0.06
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.05	0.14
Lima, OH	Ozone	Maintenance	100	-	-31.80	-46.74	-68.60
Longmont, CO	CO	Maintenance	100	-	0.06	0.44	1.12
Lorain County, OH	SO _x	Maintenance	100	-	0.03	0.20	0.51
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-80.80	-62.68	-18.48
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	-80.80	-62.68	-18.48
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-80.80	-62.68	-18.48
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-80.80	-62.68	-18.48
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-80.80	-62.68	-18.49
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.43	3.25	8.19
Louisville, KY-IN	Ozone	Maintenance	100	-	0.65	4.86	12.25
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.62	4.66	11.75
Lowell, MA	CO	Maintenance	100	-	0.07	0.52	1.32
Lucas County, OH	SO _x	Maintenance	100	-	0.16	1.23	3.11
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.02	0.24	0.63
Macon, GA	Ozone	Maintenance	100	-	0.11	0.85	2.16
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.11	0.84	2.13
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.01	0.03
Madison, WI	SO _x	Maintenance	100	-	0.16	1.18	2.98
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.01	0.05	0.14
Manchester, NH	CO	Maintenance	100	-	0.04	0.32	0.80
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.06	0.43	1.08

Table B2-39
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
DPM 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Marion County, IN	SO _x	Maintenance	100	-	0.17	1.31	3.29
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.08	0.58	1.46
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.19	1.41	3.55
Mason County, MI	Ozone	Maintenance	100	-	0.02	0.12	0.30
Medford, OR	CO	Maintenance	100	-	0.05	0.38	0.97
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.12	0.92	2.32
Memphis, TN-AR	Ozone	Maintenance	100	-	-9.27	-10.38	-10.99
Memphis, TN	CO	Maintenance	100	-	-9.31	-10.70	-11.80
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.02	0.14	0.36
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.02	0.05
Milwaukee, WI	SO _x	Maintenance	100	-	0.30	2.22	5.60
Milwaukee-Racine, WI	Ozone	Moderate	50	-	1.06	7.94	20.02
Minneapolis-St Paul, MN	CO	Maintenance	100	-	1.75	13.13	33.10
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	1.70	12.75	32.16
Missoula, MT	CO	Maintenance	100	-	0.04	0.28	0.70
Missoula, MT	PM ₁₀	Moderate	100	-	0.04	0.27	0.68
Modesto, CA	CO	Maintenance	100	-	0.21	1.55	3.91
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.07	0.53	1.33
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.01	0.04
Morristown, NJ	CO	Maintenance	100	-	0.02	0.16	0.40
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.02	0.12	0.30
Muncie, IN	Ozone	Maintenance	100	-	0.06	0.46	1.15
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.02	0.05
Muscatine County, IA	SO _x	Maintenance	100	-	0.01	0.07	0.17
Muskegon, MI	Ozone	Maintenance	100	-	0.08	0.57	1.45
Nashua, NH	CO	Maintenance	100	-	0.03	0.25	0.64
Nashville, TN	Ozone	Former Subpart 1	50	-	1.01	7.55	19.03
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.10	0.77	1.93
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.09	0.66	1.67
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.45	3.35	8.44
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.02	0.06
New York County, NY	PM ₁₀	Moderate	100	-	0.25	1.87	4.72
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-5.75	18.63	62.84
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-5.43	44.38	133.75
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-5.51	43.80	132.29
Nogales, AZ	PM ₁₀	Moderate	100	-	0.02	0.19	0.47

Table B2-39
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
DPM 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-34.59	-45.75	-60.45
Ogden, UT	CO	Maintenance	100	-	0.04	0.30	0.76
Ogden, UT	PM ₁₀	Moderate	100	-	0.04	0.30	0.76
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.01	0.09	0.22
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.07	0.51	1.30
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.02	0.05
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.08	0.61	1.55
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.08	0.62	1.56
Payson, AZ	PM ₁₀	Maintenance	100	-	0.01	0.09	0.23
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Peoria, IL	SO _x	Maintenance	100	-	0.05	0.41	1.05
Perth Amboy, NJ	CO	Maintenance	100	-	-3.75	-5.25	-7.34
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.21	1.58	3.98
Phildelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-52.48	-62.34	-72.08
Phildelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-51.41	-53.37	-49.24
Phoenix, AZ	CO	Maintenance	100	-	3.31	25.03	63.14
Phoenix, AZ	PM ₁₀	Serious	70	-	3.40	25.71	64.87
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	3.41	25.79	65.05
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.01	0.04	0.11
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Pittsburgh, PA	CO	Maintenance	100	-	0.02	0.12	0.29
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	1.12	8.48	21.40
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	1.02	7.74	19.54
Polk County, TN	SO _x	Maintenance	100	-	0.01	0.09	0.23
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.04
Portland, ME	Ozone	Maintenance	100	-	0.33	2.48	6.25
Portland, OR	CO	Maintenance	100	-	0.47	4.76	12.31
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.02	0.19	0.47
Poughkeepsie, NY	Ozone	Moderate	50	-	0.88	6.57	16.57
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.01	0.04	0.09
Providence (entire State), RI	Ozone	Moderate	50	-	0.59	4.44	11.20
Provo, UT	CO	Maintenance	100	-	0.10	0.79	1.98
Raleigh-Durham, NC	CO	Maintenance	100	-	0.82	6.17	15.55
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	1.12	8.38	21.13
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Reading, PA	Ozone	Maintenance	100	-	0.19	1.45	3.66

Table B2-39
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
DPM 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.19	1.45	3.66
Reno, NV	CO	Maintenance	100	-	0.14	1.08	2.73
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.01	0.01
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.66	5.30	13.43
Rillito, AZ	PM ₁₀	Moderate	100	-	0.03	0.24	0.61
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.44	3.29	8.29
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.15	1.12	2.81
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.05	0.37	0.92
Rochester, NY	Ozone	Former Subpart 1	50	-	0.78	5.84	14.73
Rocky Mount, NC	Ozone	Maintenance	100	-	0.10	0.79	1.98
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.07	0.52	1.31
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.01	0.03
Sacramento County, CA	PM ₁₀	Moderate	100	-	1.00	7.51	18.94
Sacramento Metro, CA	Ozone	Severe	25	-	1.83	13.78	34.74
Sacramento, CA	CO	Maintenance	100	-	1.12	8.44	21.29
Salem, OR	CO	Maintenance	100	-	0.08	0.56	1.42
Salt Lake City, UT	CO	Maintenance	100	-	-8.75	-12.18	-16.99
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-8.25	-8.48	-7.67
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.62	4.67	11.76
San Antonio, TX	Ozone	Former Subpart 1	50	-	1.14	8.54	21.53
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.27	2.02	5.09
San Diego, CA	CO	Maintenance	100	-	2.72	20.42	51.48
San Diego, CA	Ozone	Former Subpart 1	50	-	2.72	20.46	51.58
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-69.33	-78.47	-84.45
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-68.82	-74.63	-74.75
San Joaquin Valley, CA	Ozone	Extreme	10	-	2.35	21.65	55.60
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	2.36	21.71	55.77
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	2.35	21.65	55.60
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.02	0.16	0.41
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.39	2.92	7.36
Seattle-Tacoma, WA	CO	Maintenance	100	-	1.84	13.83	34.86
Sheboygan, WI	Ozone	Moderate	50	-	0.07	0.54	1.35
Sheridan, WY	PM ₁₀	Moderate	100	-	0.01	0.09	0.24
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00

Table B2-39
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
DPM 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Somerville, NJ	CO	Maintenance	100	-	0.01	0.08	0.20
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.26	1.97	4.98
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.06	0.62	1.59
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.18	1.37	3.45
Spokane, WA	CO	Maintenance	100	-	0.18	1.35	3.41
Springfield (western MA), MA	Ozone	Moderate	50	-	0.52	3.90	9.83
Springfield, MA	CO	Maintenance	100	-	0.09	0.65	1.64
St Louis, MO	CO	Maintenance	100	-	0.48	3.59	9.04
St Louis, MO-IL	Ozone	Moderate	50	-	-141.00	-198.87	-280.86
St. Louis, MO-IL	PM _{2,5}	Nonattainment	100	-	-141.01	-198.95	-281.07
State College, PA	Ozone	Maintenance	100	-	0.11	0.79	2.00
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.01	0.10	0.24
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.02	0.17	0.43
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.20	0.02	0.43
Steubenville-Weirton, OH-WV	PM _{2,5}	Nonattainment	100	-	-0.20	0.02	0.43
Stockton, CA	CO	Maintenance	100	-	0.31	2.34	5.90
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.29	2.17	5.48
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Terre Haute, IN	Ozone	Maintenance	100	-	0.07	0.53	1.33
Tioga County, PA	Ozone	Maintenance	100	-	0.03	0.23	0.59
Toledo, OH	Ozone	Maintenance	100	-	-32.86	-46.83	-66.80
Toms River, NJ	CO	Maintenance	100	-	0.06	0.48	1.21
Tooele County, UT	SO _x	Nonattainment	100	-	0.06	0.46	1.15
Trenton, NJ	CO	Maintenance	100	-	0.05	0.39	0.99
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.02	0.04
Tucson, AZ	CO	Maintenance	100	-	0.62	4.67	11.78
Utah County, UT	PM ₁₀	Moderate	100	-	0.30	2.28	5.75
Vancouver, WA	CO	Maintenance	100	-	0.20	1.52	3.83
Ventura County, CA	Ozone	Serious	50	-	0.51	4.10	10.40
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.03	0.07
Vigo County, IN	SO _x	Maintenance	100	-	0.07	0.53	1.33
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.03	0.24	0.62
Warren County, NJ	SO _x	Maintenance	100	-	0.02	0.16	0.40
Warren County, PA	SO _x	Nonattainment	100	-	-0.02	0.02	0.09
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.12	0.92	2.32
Washington, DC-MD-VA	CO	Maintenance	100	-	0.94	7.02	17.71

Table B2-39
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
DPM 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	3.35	25.14	63.38
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	3.27	24.58	61.97
Washoe County, NV	PM ₁₀	Serious	70	-	0.14	1.08	2.73
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.02	0.04
Wayne County, IN	SO _x	Maintenance	100	-	0.04	0.28	0.71
Wayne County, MI	PM ₁₀	Maintenance	100	-	-15.13	-22.12	-32.30
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.04	0.09
Weirton, WV	SO _x	Maintenance	100	-	0.01	0.05	0.12
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.08	0.59	1.49
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.08	0.59	1.49
Winston-Salem, NC	CO	Maintenance	100	-	0.24	1.83	4.61
Worcester, MA	CO	Maintenance	100	-	0.14	1.02	2.58
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.06	0.42	1.05
Yakima, WA	CO	Maintenance	100	-	0.03	0.19	0.48
York, PA	Ozone	Maintenance	100	-	0.27	2.03	5.11
York, PA	PM _{2.5}	Nonattainment	100	-	0.21	1.57	3.96
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.35	2.59	6.54
Yuma, AZ	PM ₁₀	Moderate	100	-	0.12	0.89	2.25

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

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

c/ Emissions thresholds in tons/year of: VOC or NO_x in ozone NAAs; primary PM_{2.5} in PM_{2.5} NAAs. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the proposed actions. Source: EPA, 2008.

Table B2-40
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
DPM 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.01	0.03
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.03	0.07
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.03	0.07
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	1.07	8.39	20.89
Albuquerque, NM	CO	Maintenance	100	-	0.48	3.77	9.39
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.14	1.06	2.65
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.49	3.85	9.60
Altoona, PA	Ozone	Maintenance	100	-	0.07	0.57	1.42
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.19	1.52	3.78
Anchorage, AK	CO	Maintenance	100	-	0.13	1.02	2.54
Anthony, NM	PM ₁₀	Moderate	100	-	0.01	0.05	0.12
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.03	0.08
Aspen, CO	PM ₁₀	Maintenance	100	-	0.01	0.05	0.12
Atlanta, GA	Ozone	Moderate	50	-	6.08	47.47	118.26
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	6.08	47.49	118.29
Atlantic City, NJ	CO	Maintenance	100	-	0.04	0.31	0.77
Bakersfield, CA	CO	Maintenance	100	-	-0.93	1.54	5.74
Baltimore, MD	CO	Maintenance	100	-	0.01	0.06	0.15
Baltimore, MD	Ozone	Moderate	50	-	2.62	20.46	50.97
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	2.62	20.46	50.97
Baton Rouge, LA	Ozone	Moderate	50	-	-78.99	-93.57	-120.02
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-253.19	-310.51	-413.34
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.01	0.02
Benton Harbor, MI	Ozone	Maintenance	100	-	0.12	0.97	2.42
Benzie County, MI	Ozone	Maintenance	100	-	0.02	0.18	0.46
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.13	1.01	2.52
Billings, MT	CO	Maintenance	100	-	-42.07	-51.53	-68.51
Birmingham, AL	Ozone	Maintenance	100	-	-2.97	1.51	9.10
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-2.97	1.53	9.16
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.29	2.29	5.69
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.29	2.29	5.69
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.02	0.13	0.33
Boston, MA	CO	Maintenance	100	-	0.69	5.38	13.39
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	4.27	33.35	83.07
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.57	4.45	11.09
Boyd County (part), KY	SO _x	Maintenance	100	-	0.01	0.06	0.14

Table B2-40
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
DPM 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.91	7.11	17.71
Burlington, NJ	CO	Maintenance	100	-	0.00	0.03	0.07
Butte, MT	PM ₁₀	Moderate	100	-	0.01	0.11	0.27
Canon City, CO	PM ₁₀	Maintenance	100	-	0.02	0.15	0.38
Canton-Massillon, OH	Ozone	Maintenance	100	-	-6.55	-6.62	-6.89
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-6.55	-6.62	-6.89
Case County, MI	Ozone	Maintenance	100	-	0.03	0.27	0.66
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.01	0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.03	0.08
Charleston, WV	Ozone	Maintenance	100	-	0.19	1.52	3.79
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.19	1.52	3.79
Charlotte, NC	CO	Maintenance	100	-	0.68	5.29	13.18
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	1.48	11.56	28.80
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.42	3.36	8.37
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.39	3.11	7.75
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-111.85	-97.86	-76.17
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-111.65	-96.25	-72.16
Chico, CA	CO	Maintenance	100	-	0.13	0.98	2.44
Chico, CA	Ozone	Former Subpart 1	50	-	0.26	2.05	5.11
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	1.64	12.84	31.98
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	1.59	12.42	30.94
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.01	0.07	0.16
Clark County, NV	PM ₁₀	Serious	70	-	1.51	11.75	29.26
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.23	1.82	4.52
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.14	1.11	2.76
Cleveland, OH	CO	Maintenance	100	-	0.64	5.00	12.44
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	2.01	15.68	39.05
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	1.84	14.34	35.71
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.69	5.38	13.39
Colbert County, AL	SO _x	Maintenance	100	-	0.04	0.31	0.78
Colorado Springs, CO	CO	Maintenance	100	-	0.56	4.37	10.89
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.01	0.04	0.10
Columbia, SC	Ozone	Former Subpart 1	50	-	0.55	4.26	10.60
Columbus, OH	Ozone	Maintenance	100	-	1.55	12.06	30.05

Table B2-40
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DPM 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Columbus, OH	PM _{2.5}	Nonattainment	100	-	1.44	11.23	27.99
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.01	0.00	0.02
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.64	5.00	12.44
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.55	4.31	10.73
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	6.63	51.73	128.86
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.63	4.91	12.23
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.55	4.31	10.74
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-48.89	-42.12	-31.54
Denver-Boulder, CO	CO	Maintenance	100	-	-49.01	-43.08	-33.93
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-48.31	-37.64	-20.37
Detroit, MI	CO	Maintenance	100	-	-40.61	-43.57	-49.41
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-48.26	-34.60	-12.23
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-48.33	-35.16	-13.62
Door County, WI	Ozone	Former Subpart 1	50	-	0.03	0.26	0.64
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.03	0.21	0.53
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.02	0.18	0.44
Duluth, MN	CO	Maintenance	100	-	0.06	0.47	1.16
Eagle River, AK	PM ₁₀	Moderate	100	-	0.01	0.07	0.16
East Chicago, IN	CO	Maintenance	100	-	0.00	0.01	0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	-93.15	-113.95	-151.29
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.01	0.02
El Paso County, TX	PM ₁₀	Moderate	100	-	-27.82	-31.56	-38.49
El Paso, TX	CO	Maintenance	100	-	0.03	0.20	0.49
Erie, PA	Ozone	Maintenance	100	-	0.17	1.35	3.36
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.01	0.03
Eugene-Springfield, OR	CO	Maintenance	100	-	0.20	1.57	3.91
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.19	1.51	3.76
Evansville, IN	Ozone	Maintenance	100	-	0.20	1.59	3.95
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.26	2.00	4.99
Fairbanks, AK	CO	Maintenance	100	-	0.02	0.13	0.32
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.24	1.90	4.73
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.01	0.05	0.14
Flint, MI	Ozone	Maintenance	100	-	0.41	3.16	7.88
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Fort Collins, CO	CO	Maintenance	100	-	0.17	1.33	3.32

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	0.30	2.36	5.88
Franklin County, PA	Ozone	Maintenance	100	-	0.13	1.02	2.55
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.11	0.85	2.12
Fredericksburg, VA	Ozone	Maintenance	100	-	0.41	3.19	7.96
Freehold, NJ	CO	Maintenance	100	-	0.02	0.15	0.37
Fresno, CA	CO	Maintenance	100	-	0.54	4.27	10.64
Grand Rapids, MI	Ozone	Maintenance	100	-	0.72	5.65	14.07
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.03	0.22	0.54
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.01	0.03
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.01
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.03	0.25	0.63
Great Falls, MT	CO	Maintenance	100	-	0.01	0.10	0.24
Greater Connecticut, CT	Ozone	Moderate	50	-	1.29	10.04	25.02
Greeley, CO	CO	Maintenance	100	-	0.11	0.87	2.17
Green Bay, WI	SO _x	Maintenance	100	-	0.10	0.81	2.02
Greene County, IN	Ozone	Maintenance	100	-	0.04	0.31	0.78
Greene County, PA	Ozone	Maintenance	100	-	0.03	0.27	0.68
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	1.31	10.19	25.37
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.63	4.94	12.32
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.69	5.39	13.42
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.02	0.14	0.35
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.10	0.75	1.86
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.75	5.89	14.66
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.69	5.42	13.51
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.81	6.33	15.76
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.01	0.08	0.19
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.04	0.30	0.75
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.03	0.08
Hazelwood, PA	SO _x	Maintenance	100	-	0.03	0.26	0.64
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.13	1.03	2.57
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.23	1.77	4.41
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.01	0.03
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-382.06	-439.02	-543.77
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.02	0.04
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-50.84	-61.28	-80.10

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
		t					
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-50.95	-62.15	-82.26
Huron County, MI	Ozone	Maintenance	100	-	0.02	0.17	0.42
Imperial County, CA	Ozone	Moderate	50	-	0.22	1.69	4.21
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.21	1.66	4.13
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.03	0.20	0.49
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.01
Indianapolis, IN	Ozone	Maintenance	100	-	1.75	13.69	34.10
Indianapolis, IN	PM _{2,5}	Nonattainment	100	-	1.40	10.90	27.14
Jackson County, IN	Ozone	Maintenance	100	-	0.06	0.49	1.21
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.12	0.95	2.37
Jefferson County, NY	Ozone	Moderate	50	-	0.10	0.78	1.93
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.04	0.09
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.17	1.29	3.22
Johnstown, PA	Ozone	Maintenance	100	-	0.06	0.47	1.18
Johnstown, PA	PM _{2,5}	Nonattainment	100	-	0.07	0.52	1.30
Juneau, AK	PM ₁₀	Moderate	100	-	0.01	0.09	0.22
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.40	3.11	7.74
Kalispell, MT	PM ₁₀	Moderate	100	-	0.03	0.22	0.55
Kansas City, MO-KS	Ozone	Maintenance	100	-	1.47	11.45	28.53
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.13	1.00	2.48
Kent, WA	PM ₁₀	Maintenance	100	-	0.02	0.19	0.48
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.07	0.52	1.29
Kewaunee County, WI	Ozone	Maintenance	100	-	0.02	0.15	0.37
King County, WA	PM ₁₀	Maintenance	100	-	0.01	0.07	0.18
Klamath Falls, OR	CO	Maintenance	100	-	0.04	0.30	0.74
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.04	0.30	0.74
Knoxville, TN	Ozone	Former Subpart 1	50	-	1.11	8.64	21.52
Knoxville, TN	PM _{2,5}	Nonattainment	100	-	0.83	6.51	16.22
La Porte County, IN	SO _x	Maintenance	100	-	0.02	0.19	0.48
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.01	0.09	0.24
Lake County, IN	SO _x	Maintenance	100	-	0.22	1.74	4.34
Lake County, OH	SO _x	Maintenance	100	-	0.03	0.22	0.54
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.04	0.09
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.04	0.27	0.68
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.08	0.62	1.55
Lake Tahoe, NV	CO	Maintenance	100	-	0.02	0.13	0.31

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Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Lamar, CO	PM ₁₀	Maintenance	100	-	0.01	0.05	0.13
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Lancaster, PA	Ozone	Maintenance	100	-	0.38	2.98	7.43
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.38	2.98	7.43
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.39	3.05	7.59
LaPorte, IN	Ozone	Maintenance	100	-	0.07	0.54	1.34
Las Vegas, NV	CO	Serious	100	-	1.51	11.75	29.26
Las Vegas, NV	Ozone	Former Subpart 1	50	-	1.52	11.87	29.57
Lauderdale County, AL	SO _x	Maintenance	100	-	0.07	0.51	1.27
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.01	0.03
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.02	0.06
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.03	0.08
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.07	0.16
Lima, OH	Ozone	Maintenance	100	-	-64.75	-79.37	-105.61
Longmont, CO	CO	Maintenance	100	-	0.09	0.71	1.77
Lorain County, OH	SO _x	Maintenance	100	-	0.04	0.30	0.74
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-169.84	-118.65	-34.59
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	-169.84	-118.65	-34.59
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-169.84	-118.65	-34.59
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-169.84	-118.65	-34.59
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-169.84	-118.66	-34.60
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.64	4.99	12.42
Louisville, KY-IN	Ozone	Maintenance	100	-	0.89	6.92	17.24
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.84	6.58	16.39
Lowell, MA	CO	Maintenance	100	-	0.10	0.80	2.00
Lucas County, OH	SO _x	Maintenance	100	-	0.22	1.69	4.20
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.03	0.33	0.85
Macon, GA	Ozone	Maintenance	100	-	0.15	1.16	2.88
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.15	1.14	2.85
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.02	0.04
Madison, WI	SO _x	Maintenance	100	-	0.24	1.86	4.63
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.01	0.10	0.24
Manchester, NH	CO	Maintenance	100	-	0.05	0.41	1.03
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.08	0.60	1.50

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Marion County, IN	SO _x	Maintenance	100	-	0.23	1.81	4.50
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.12	0.94	2.35
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.26	2.05	5.12
Mason County, MI	Ozone	Maintenance	100	-	0.02	0.17	0.43
Medford, OR	CO	Maintenance	100	-	0.08	0.61	1.52
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.19	1.47	3.66
Memphis, TN-AR	Ozone	Maintenance	100	-	-19.25	-18.89	-18.66
Memphis, TN	CO	Maintenance	100	-	-19.31	-19.31	-19.70
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.03	0.22	0.56
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.03	0.07
Milwaukee, WI	SO _x	Maintenance	100	-	0.40	3.13	7.79
Milwaukee-Racine, WI	Ozone	Moderate	50	-	1.49	11.66	29.05
Minneapolis-St Paul, MN	CO	Maintenance	100	-	2.52	19.63	48.90
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	2.44	19.06	47.47
Missoula, MT	CO	Maintenance	100	-	0.05	0.41	1.03
Missoula, MT	PM ₁₀	Moderate	100	-	0.05	0.40	1.00
Modesto, CA	CO	Maintenance	100	-	0.32	2.47	6.15
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.11	0.85	2.13
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.01	0.03
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.02	0.05
Morristown, NJ	CO	Maintenance	100	-	0.03	0.26	0.65
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.02	0.16	0.41
Muncie, IN	Ozone	Maintenance	100	-	0.08	0.60	1.49
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.04	0.09
Muscatine County, IA	SO _x	Maintenance	100	-	0.01	0.10	0.25
Muskegon, MI	Ozone	Maintenance	100	-	0.11	0.84	2.10
Nashua, NH	CO	Maintenance	100	-	0.04	0.34	0.84
Nashville, TN	Ozone	Former Subpart 1	50	-	1.46	11.40	28.39
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.17	1.30	3.24
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.14	1.06	2.63
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.60	4.72	11.76
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.03	0.09
New York County, NY	PM ₁₀	Moderate	100	-	0.33	2.54	6.33
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-14.67	22.65	86.06
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-16.60	59.31	188.60
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-16.71	58.44	186.42
Nogales, AZ	PM ₁₀	Moderate	100	-	0.04	0.28	0.69

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				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-70.99	-79.28	-94.84
Ogden, UT	CO	Maintenance	100	-	0.05	0.43	1.06
Ogden, UT	PM ₁₀	Moderate	100	-	0.05	0.43	1.06
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	0.03
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.01	0.11	0.28
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.10	0.80	1.99
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.04	0.09
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.11	0.86	2.14
Parkersburg-Marietta, WV-OH	PM _{2,5}	Nonattainment	100	-	0.11	0.86	2.15
Payson, AZ	PM ₁₀	Maintenance	100	-	0.02	0.14	0.35
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Peoria, IL	SO _x	Maintenance	100	-	0.07	0.57	1.43
Perth Amboy, NJ	CO	Maintenance	100	-	-7.66	-8.91	-11.19
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.27	2.12	5.27
Phildelphia-Wilmington, PA-NY-DE	PM _{2,5}	Nonattainment	100	-	-108.47	-110.71	-116.68
Phildelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-107.04	-97.68	-83.81
Phoenix, AZ	CO	Maintenance	100	-	5.32	41.85	104.33
Phoenix, AZ	PM ₁₀	Serious	70	-	5.46	42.92	106.98
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	5.47	43.02	107.24
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.01	0.06	0.14
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
Pittsburgh, PA	CO	Maintenance	100	-	0.03	0.21	0.51
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	1.50	11.91	29.72
Pittsburgh-Beaver Valley, PA	PM _{2,5}	Nonattainment	100	-	1.37	10.87	27.13
Polk County, TN	SO _x	Maintenance	100	-	0.02	0.13	0.32
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.02	0.06
Portland, ME	Ozone	Maintenance	100	-	0.46	3.61	8.99
Portland, OR	CO	Maintenance	100	-	0.52	6.78	17.49
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.03	0.26	0.65
Poughkeepsie, NY	Ozone	Moderate	50	-	1.31	10.26	25.55
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.01	0.05	0.13
Providence (entire State), RI	Ozone	Moderate	50	-	0.84	6.59	16.41
Provo, UT	CO	Maintenance	100	-	0.16	1.23	3.05
Raleigh-Durham, NC	CO	Maintenance	100	-	1.22	9.50	23.66
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	1.65	12.87	32.07
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.01	0.03
Reading, PA	Ozone	Maintenance	100	-	0.27	2.09	5.20

Table B2-40
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
DPM 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.27	2.09	5.20
Reno, NV	CO	Maintenance	100	-	0.20	1.58	3.93
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.01	0.02
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.90	7.67	19.24
Rillito, AZ	PM ₁₀	Moderate	100	-	0.05	0.39	0.98
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.69	5.38	13.39
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.20	1.57	3.91
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.07	0.54	1.36
Rochester, NY	Ozone	Former Subpart 1	50	-	1.08	8.42	20.99
Rocky Mount, NC	Ozone	Maintenance	100	-	0.14	1.10	2.75
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.10	0.74	1.85
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.01	0.04
Sacramento County, CA	PM ₁₀	Moderate	100	-	1.55	12.09	30.12
Sacramento Metro, CA	Ozone	Severe	25	-	2.87	22.44	55.89
Sacramento, CA	CO	Maintenance	100	-	1.74	13.61	33.90
Salem, OR	CO	Maintenance	100	-	0.10	0.80	2.00
Salt Lake City, UT	CO	Maintenance	100	-	-17.87	-20.84	-26.25
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-17.17	-15.34	-12.56
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.89	6.95	17.31
San Antonio, TX	Ozone	Former Subpart 1	50	-	1.65	12.87	32.05
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.39	3.03	7.55
San Diego, CA	CO	Maintenance	100	-	4.15	32.36	80.62
San Diego, CA	Ozone	Former Subpart 1	50	-	4.15	32.43	80.78
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-143.32	-137.75	-131.05
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-142.60	-132.09	-116.97
San Joaquin Valley, CA	Ozone	Extreme	10	-	3.29	34.52	87.90
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	3.30	34.60	88.10
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	3.29	34.52	87.90
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.03	0.25	0.64
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.54	4.21	10.49
Seattle-Tacoma, WA	CO	Maintenance	100	-	2.68	20.92	52.12
Sheboygan, WI	Ozone	Moderate	50	-	0.10	0.80	1.99
Sheridan, WY	PM ₁₀	Moderate	100	-	0.02	0.13	0.33
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00

Table B2-40
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
DPM 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Somerville, NJ	CO	Maintenance	100	-	0.02	0.12	0.29
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.37	2.85	7.10
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.06	0.71	1.83
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.26	2.06	5.13
Spokane, WA	CO	Maintenance	100	-	0.26	2.04	5.07
Springfield (western MA), MA	Ozone	Moderate	50	-	0.72	5.62	14.00
Springfield, MA	CO	Maintenance	100	-	0.13	0.99	2.46
St Louis, MO	CO	Maintenance	100	-	0.60	4.66	11.60
St Louis, MO-IL	Ozone	Moderate	50	-	-288.05	-340.78	-436.48
St. Louis, MO-IL	PM _{2,5}	Nonattainment	100	-	-288.07	-340.90	-436.77
State College, PA	Ozone	Maintenance	100	-	0.15	1.20	2.99
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.02	0.16	0.39
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.03	0.23	0.57
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.44	-0.11	0.44
Steubenville-Weirton, OH-WV	PM _{2,5}	Nonattainment	100	-	-0.44	-0.11	0.44
Stockton, CA	CO	Maintenance	100	-	0.49	3.84	9.55
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.39	3.05	7.60
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.02	0.04
Terre Haute, IN	Ozone	Maintenance	100	-	0.09	0.70	1.74
Tioga County, PA	Ozone	Maintenance	100	-	0.04	0.32	0.79
Toledo, OH	Ozone	Maintenance	100	-	-67.09	-80.08	-103.58
Toms River, NJ	CO	Maintenance	100	-	0.10	0.77	1.91
Tooele County, UT	SO _x	Nonattainment	100	-	0.09	0.68	1.70
Trenton, NJ	CO	Maintenance	100	-	0.07	0.58	1.45
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.03	0.06
Tucson, AZ	CO	Maintenance	100	-	0.92	7.17	17.85
Utah County, UT	PM ₁₀	Moderate	100	-	0.45	3.50	8.71
Vancouver, WA	CO	Maintenance	100	-	0.31	2.39	5.94
Ventura County, CA	Ozone	Serious	50	-	0.76	6.52	16.37
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.01	0.04	0.10
Vigo County, IN	SO _x	Maintenance	100	-	0.09	0.70	1.74
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.05	0.35	0.88
Warren County, NJ	SO _x	Maintenance	100	-	0.03	0.24	0.59
Warren County, PA	SO _x	Nonattainment	100	-	-0.04	0.01	0.10
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.17	1.32	3.28
Washington, DC-MD-VA	CO	Maintenance	100	-	1.37	10.68	26.61

Table B2-40
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
DPM 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	4.90	38.28	95.36
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	4.79	37.39	93.15
Washoe County, NV	PM ₁₀	Serious	70	-	0.20	1.58	3.93
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.02	0.06
Wayne County, IN	SO _x	Maintenance	100	-	0.05	0.37	0.93
Wayne County, MI	PM ₁₀	Maintenance	100	-	-32.08	-38.93	-51.26
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.04	0.10
Weirton, WV	SO _x	Maintenance	100	-	0.01	0.05	0.14
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.10	0.78	1.94
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.10	0.78	1.94
Winston-Salem, NC	CO	Maintenance	100	-	0.34	2.68	6.68
Worcester, MA	CO	Maintenance	100	-	0.20	1.60	3.98
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.08	0.62	1.53
Yakima, WA	CO	Maintenance	100	-	0.04	0.30	0.76
York, PA	Ozone	Maintenance	100	-	0.39	3.03	7.56
York, PA	PM _{2.5}	Nonattainment	100	-	0.30	2.35	5.84
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.45	3.50	8.71
Yuma, AZ	PM ₁₀	Moderate	100	-	0.18	1.39	3.47

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

Table B2-41
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Formaldehyde 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.06	0.14	0.85
Albuquerque, NM	CO	Maintenance	100	-	0.03	0.06	0.39
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.01	0.02	0.10
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.03	0.06	0.40
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.01	0.07
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.02	0.10
Anchorage, AK	CO	Maintenance	100	-	0.01	0.01	0.09
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	0.30	0.70	4.40
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.30	0.70	4.40
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.01	0.03
Bakersfield, CA	CO	Maintenance	100	-	-0.01	0.00	0.20
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.01
Baltimore, MD	Ozone	Moderate	50	-	0.14	0.32	1.98
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.14	0.32	1.98
Baton Rouge, LA	Ozone	Moderate	50	-	-0.69	-0.93	-1.48
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-2.50	-3.48	-6.59
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.01	0.02	0.12
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.01	0.02	0.10
Billings, MT	CO	Maintenance	100	-	0.00	0.01	0.05
Birmingham, AL	Ozone	Maintenance	100	-	0.05	0.11	0.69
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.05	0.11	0.69
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.01	0.03	0.21
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.01	0.03	0.21
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Boston, MA	CO	Maintenance	100	-	0.04	0.09	0.57
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.23	0.54	3.41
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.03	0.07	0.43
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.00	-0.00	0.00

Table B2-41
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Formaldehyde 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.05	0.12	0.78
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.01	0.03	0.20
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.20
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.03
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.01	0.03	0.19
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.19
Charlotte, NC	CO	Maintenance	100	-	0.03	0.08	0.48
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.07	0.17	1.08
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.03	0.06	0.37
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.02	0.05	0.33
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.30	0.72	4.62
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.31	0.74	4.78
Chico, CA	CO	Maintenance	100	-	0.00	0.01	0.07
Chico, CA	Ozone	Former Subpart 1	50	-	0.01	0.03	0.16
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.09	0.21	1.31
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.09	0.20	1.28
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Clark County, NV	PM ₁₀	Serious	70	-	0.07	0.15	0.97
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.01	0.03	0.17
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.01	0.02	0.12
Cleveland, OH	CO	Maintenance	100	-	0.04	0.10	0.65
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.12	0.28	1.74
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.11	0.26	1.60
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.03	0.06	0.40
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.01	0.04
Colorado Springs, CO	CO	Maintenance	100	-	0.03	0.06	0.38
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.03	0.07	0.43
Columbus, OH	Ozone	Maintenance	100	-	0.08	0.18	1.10

Table B2-41
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Formaldehyde 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.07	0.16	1.02
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.04	0.10	0.65
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.04	0.08	0.53
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.31	0.72	4.54
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.04	0.09	0.57
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.03	0.08	0.50
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.13	0.31	1.95
Denver-Boulder, CO	CO	Maintenance	100	-	0.13	0.30	1.87
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.16	0.38	2.35
Detroit, MI	CO	Maintenance	100	-	0.07	0.17	1.09
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.21	0.49	3.10
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.21	0.49	3.04
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.02
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.02
Duluth, MN	CO	Maintenance	100	-	0.00	0.01	0.06
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.01	0.02	0.14
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.02	0.05	0.32
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.02
Erie, PA	Ozone	Maintenance	100	-	0.01	0.02	0.15
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.01	0.02	0.15
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.01	0.02	0.15
Evansville, IN	Ozone	Maintenance	100	-	0.01	0.03	0.17
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.02	0.04	0.22
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.01
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.01	0.03	0.20
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	0.02	0.06	0.35
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.01	0.02	0.11

Table B2-41
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Formaldehyde 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.02	0.04	0.24
Franklin County, PA	Ozone	Maintenance	100	-	0.01	0.02	0.10
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.09
Fredericksburg, VA	Ozone	Maintenance	100	-	0.02	0.04	0.27
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Fresno, CA	CO	Maintenance	100	-	0.03	0.06	0.38
Grand Rapids, MI	Ozone	Maintenance	100	-	0.04	0.09	0.53
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.01
Greater Connecticut, CT	Ozone	Moderate	50	-	0.08	0.18	1.11
Greeley, CO	CO	Maintenance	100	-	0.01	0.01	0.08
Green Bay, WI	SO _x	Maintenance	100	-	0.01	0.01	0.08
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.01	0.03
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.03
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.07	0.17	1.09
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.04	0.09	0.54
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.04	0.10	0.61
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.02
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.01	0.01	0.08
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.04	0.09	0.57
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.04	0.08	0.52
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.05	0.12	0.72
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.01
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	0.03
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.12
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.01	0.03	0.20
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-6.85	-9.35	-15.64
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.19

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Formaldehyde 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
		t					
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-0.00	0.01	0.09
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.02
Imperial County, CA	Ozone	Moderate	50	-	0.01	0.02	0.14
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.01	0.02	0.14
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.09	0.21	1.33
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.07	0.17	1.05
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.01	0.05
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.01	0.02	0.10
Jefferson County, NY	Ozone	Moderate	50	-	0.01	0.01	0.08
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.01	0.02	0.15
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.01	0.07
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.08
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.02	0.05	0.34
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.08	0.18	1.10
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.01	0.02	0.09
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.06
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.02
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.01	0.03
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.03
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.05	0.12	0.78
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.04	0.10	0.60
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.02
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Lake County, IN	SO _x	Maintenance	100	-	0.01	0.03	0.21
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.02
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.02
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.01	0.04
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.01

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.02	0.05	0.30
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.05	0.30
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.02	0.05	0.32
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.01	0.07
Las Vegas, NV	CO	Serious	100	-	0.07	0.15	0.97
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.07	0.16	0.98
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.01	0.06
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Lima, OH	Ozone	Maintenance	100	-	0.01	0.01	0.07
Longmont, CO	CO	Maintenance	100	-	0.00	0.01	0.06
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.03
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.65	1.55	9.93
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	0.65	1.55	9.93
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.65	1.55	9.93
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.65	1.55	9.93
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.65	1.55	9.93
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.03	0.07	0.45
Louisville, KY-IN	Ozone	Maintenance	100	-	0.05	0.12	0.76
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.05	0.12	0.74
Lowell, MA	CO	Maintenance	100	-	0.01	0.01	0.08
Lucas County, OH	SO _x	Maintenance	100	-	0.01	0.03	0.20
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	0.04
Macon, GA	Ozone	Maintenance	100	-	0.01	0.02	0.14
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.14
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.01	0.03	0.16
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Manchester, NH	CO	Maintenance	100	-	0.00	0.01	0.05
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.01	0.07

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Marion County, IN	SO _x	Maintenance	100	-	0.01	0.03	0.21
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.07
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.21
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.02
Medford, OR	CO	Maintenance	100	-	0.00	0.01	0.05
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.01	0.02	0.12
Memphis, TN-AR	Ozone	Maintenance	100	-	0.04	0.10	0.66
Memphis, TN	CO	Maintenance	100	-	0.04	0.09	0.61
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.02
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.02	0.06	0.36
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.08	0.19	1.19
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.01	0.14	1.58
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.13	0.30	1.85
Missoula, MT	CO	Maintenance	100	-	0.00	0.01	0.04
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.04
Modesto, CA	CO	Maintenance	100	-	0.01	0.03	0.20
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.01	0.07
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	0.02
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.02
Muncie, IN	Ozone	Maintenance	100	-	0.01	0.01	0.08
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.01
Muskegon, MI	Ozone	Maintenance	100	-	0.01	0.01	0.09
Nashua, NH	CO	Maintenance	100	-	0.00	0.01	0.04
Nashville, TN	Ozone	Former Subpart 1	50	-	0.04	0.12	0.98
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.09
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.01	0.01	0.09
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.04	0.08	0.53
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.02	0.05	0.31
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.36	0.84	5.27
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.68	1.59	9.94
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.68	1.58	9.86
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.03

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.07	0.17	1.06
Ogden, UT	CO	Maintenance	100	-	0.00	0.01	0.05
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.01	0.05
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.07
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.01	0.02	0.10
Parkersburg-Marietta, WV-OH	PM _{2,5}	Nonattainment	100	-	0.01	0.02	0.10
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.01	0.07
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.01	0.05
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.02	0.04	0.27
Phildelphia-Wilmington, PA-NY-DE	PM _{2,5}	Nonattainment	100	-	-0.72	-0.81	0.47
Phildelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-0.62	-0.59	1.86
Phoenix, AZ	CO	Maintenance	100	-	0.20	0.47	2.93
Phoenix, AZ	PM ₁₀	Serious	70	-	0.21	0.48	3.02
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.21	0.48	3.03
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.02
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.09	0.22	1.36
Pittsburgh-Beaver Valley, PA	PM _{2,5}	Nonattainment	100	-	0.08	0.20	1.24
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.03	0.06	0.37
Portland, OR	CO	Maintenance	100	-	0.04	0.10	0.73
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Poughkeepsie, NY	Ozone	Moderate	50	-	0.06	0.14	0.88
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Providence (entire State), RI	Ozone	Moderate	50	-	0.04	0.10	0.65
Provo, UT	CO	Maintenance	100	-	0.01	0.02	0.11
Raleigh-Durham, NC	CO	Maintenance	100	-	0.06	0.14	0.85
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.08	0.19	1.16
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.02	0.04	0.22

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.04	0.22
Reno, NV	CO	Maintenance	100	-	0.01	0.03	0.16
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.06	0.13	0.82
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.03	0.06	0.40
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.01	0.03	0.18
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.01	0.05
Rochester, NY	Ozone	Former Subpart 1	50	-	0.06	0.14	0.90
Rocky Mount, NC	Ozone	Maintenance	100	-	0.01	0.02	0.13
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.08
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.07	0.15	0.95
Sacramento Metro, CA	Ozone	Severe	25	-	0.12	0.27	1.70
Sacramento, CA	CO	Maintenance	100	-	0.07	0.17	1.06
Salem, OR	CO	Maintenance	100	-	0.01	0.01	0.09
Salt Lake City, UT	CO	Maintenance	100	-	0.00	0.01	0.12
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.04	0.10	0.66
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.05	0.11	0.68
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.08	0.20	1.22
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.02	0.04	0.28
San Diego, CA	CO	Maintenance	100	-	0.18	0.43	2.67
San Diego, CA	Ozone	Former Subpart 1	50	-	0.18	0.43	2.68
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-0.87	-0.95	1.03
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-0.83	-0.86	1.60
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.17	0.42	2.82
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.17	0.42	2.83
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.17	0.42	2.82
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.02
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.03	0.07	0.45
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.09	0.25	1.84
Sheboygan, WI	Ozone	Moderate	50	-	0.01	0.01	0.08
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.02	0.05	0.30
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.01	0.02	0.12
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.01	0.03	0.20
Spokane, WA	CO	Maintenance	100	-	0.01	0.03	0.19
Springfield (western MA), MA	Ozone	Moderate	50	-	0.04	0.10	0.60
Springfield, MA	CO	Maintenance	100	-	0.01	0.02	0.10
St Louis, MO	CO	Maintenance	100	-	0.04	0.10	0.64
St Louis, MO-IL	Ozone	Moderate	50	-	0.14	0.32	2.01
St. Louis, MO-IL	PM _{2,5}	Nonattainment	100	-	0.14	0.32	1.99
State College, PA	Ozone	Maintenance	100	-	0.01	0.02	0.11
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	0.03
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.01	0.07
Steubenville-Weirton, OH-WV	PM _{2,5}	Nonattainment	100	-	0.00	0.01	0.07
Stockton, CA	CO	Maintenance	100	-	0.02	0.05	0.30
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.02	0.06	0.35
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.01	0.01	0.09
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.01	0.04
Toledo, OH	Ozone	Maintenance	100	-	0.03	0.06	0.37
Toms River, NJ	CO	Maintenance	100	-	0.00	0.01	0.06
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.01	0.07
Trenton, NJ	CO	Maintenance	100	-	0.00	0.01	0.06
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.04	0.10	0.65
Utah County, UT	PM ₁₀	Moderate	100	-	0.02	0.05	0.32
Vancouver, WA	CO	Maintenance	100	-	0.01	0.03	0.20
Ventura County, CA	Ozone	Serious	50	-	0.04	0.09	0.54
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.01	0.01	0.09
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.01	0.04
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	0.02
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.01
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.01	0.02	0.14
Washington, DC-MD-VA	CO	Maintenance	100	-	0.07	0.17	1.04

Table B2-41
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Formaldehyde 2021

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.24	0.57	3.54
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.24	0.55	3.47
Washoe County, NV	PM ₁₀	Serious	70	-	0.01	0.03	0.16
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.05
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.01	0.05
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.01
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.01	0.02	0.10
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.10
Winston-Salem, NC	CO	Maintenance	100	-	0.02	0.04	0.27
Worcester, MA	CO	Maintenance	100	-	0.01	0.02	0.14
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.06
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	0.02
York, PA	Ozone	Maintenance	100	-	0.02	0.05	0.29
York, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.04	0.23
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.03	0.07	0.44
Yuma, AZ	PM ₁₀	Moderate	100	-	0.01	0.02	0.12

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

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

c/ Emissions thresholds in tons/year of: VOC or NO_x in ozone NAAs; primary PM_{2.5} in PM_{2.5} NAAs. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the proposed actions. Source: EPA, 2008.

Table B2-42
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Formaldehyde 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.20	0.73	2.37
Albuquerque, NM	CO	Maintenance	100	-	0.09	0.34	1.09
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.02	0.08	0.27
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.09	0.34	1.10
Altoona, PA	Ozone	Maintenance	100	-	0.02	0.06	0.19
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.03	0.10	0.31
Anchorage, AK	CO	Maintenance	100	-	0.02	0.08	0.26
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.01
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Atlanta, GA	Ozone	Moderate	50	-	1.03	3.83	12.44
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	1.03	3.83	12.45
Atlantic City, NJ	CO	Maintenance	100	-	0.01	0.03	0.10
Bakersfield, CA	CO	Maintenance	100	-	-0.01	0.13	0.62
Baltimore, MD	CO	Maintenance	100	-	0.00	0.01	0.02
Baltimore, MD	Ozone	Moderate	50	-	0.46	1.71	5.55
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.46	1.71	5.55
Baton Rouge, LA	Ozone	Moderate	50	-	-1.60	-2.20	-3.09
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-5.93	-8.90	-14.74
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.03	0.10	0.33
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.01	0.04
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.02	0.08	0.27
Billings, MT	CO	Maintenance	100	-	0.01	0.04	0.13
Birmingham, AL	Ozone	Maintenance	100	-	0.16	0.58	1.88
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.16	0.58	1.89
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.05	0.19	0.60
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.05	0.19	0.60
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.01	0.03
Boston, MA	CO	Maintenance	100	-	0.13	0.49	1.58
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.79	2.92	9.48
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.10	0.37	1.21
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.00	-0.00	0.01

Table B2-42
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Formaldehyde 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.18	0.66	2.14
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.02
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.04
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	0.04
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.05	0.17	0.55
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.05	0.17	0.55
Case County, MI	Ozone	Maintenance	100	-	0.01	0.02	0.08
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.01
Charleston, WV	Ozone	Maintenance	100	-	0.04	0.16	0.51
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.04	0.16	0.51
Charlotte, NC	CO	Maintenance	100	-	0.11	0.42	1.37
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.25	0.94	3.06
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.08	0.31	1.01
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.08	0.28	0.92
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	1.03	3.95	12.97
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	1.07	4.09	13.42
Chico, CA	CO	Maintenance	100	-	0.02	0.06	0.20
Chico, CA	Ozone	Former Subpart 1	50	-	0.04	0.14	0.47
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.30	1.12	3.66
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.29	1.09	3.55
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.03
Clark County, NV	PM ₁₀	Serious	70	-	0.23	0.86	2.79
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.04	0.15	0.48
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.03	0.10	0.33
Cleveland, OH	CO	Maintenance	100	-	0.14	0.53	1.74
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.40	1.47	4.78
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.37	1.36	4.41
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.10	0.37	1.19
Colbert County, AL	SO _x	Maintenance	100	-	0.01	0.03	0.11
Colorado Springs, CO	CO	Maintenance	100	-	0.09	0.34	1.10
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Columbia, SC	Ozone	Former Subpart 1	50	-	0.10	0.37	1.21
Columbus, OH	Ozone	Maintenance	100	-	0.26	0.96	3.12

Table B2-42
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Formaldehyde 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.24	0.89	2.90
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.01
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.14	0.53	1.74
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.12	0.44	1.42
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	1.08	3.99	12.96
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.13	0.48	1.55
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.11	0.42	1.37
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.46	1.71	5.55
Denver-Boulder, CO	CO	Maintenance	100	-	0.44	1.63	5.30
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.56	2.06	6.69
Detroit, MI	CO	Maintenance	100	-	0.25	0.91	2.95
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.71	2.64	8.59
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.70	2.60	8.43
Door County, WI	Ozone	Former Subpart 1	50	-	0.01	0.02	0.07
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.01	0.02	0.07
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.02	0.05
Duluth, MN	CO	Maintenance	100	-	0.01	0.05	0.15
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.03	0.12	0.38
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.07	0.28	0.90
El Paso, TX	CO	Maintenance	100	-	0.00	0.02	0.06
Erie, PA	Ozone	Maintenance	100	-	0.04	0.13	0.42
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.04	0.13	0.43
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.03	0.13	0.41
Evansville, IN	Ozone	Maintenance	100	-	0.04	0.14	0.47
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.05	0.19	0.60
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.01	0.03
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.05	0.17	0.55
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Flint, MI	Ozone	Maintenance	100	-	0.08	0.30	0.96
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.03	0.10	0.33

Table B2-42
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Formaldehyde 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.06	0.21	0.68
Franklin County, PA	Ozone	Maintenance	100	-	0.02	0.09	0.28
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.02	0.07	0.24
Fredericksburg, VA	Ozone	Maintenance	100	-	0.06	0.24	0.77
Freehold, NJ	CO	Maintenance	100	-	0.00	0.01	0.03
Fresno, CA	CO	Maintenance	100	-	0.09	0.34	1.10
Grand Rapids, MI	Ozone	Maintenance	100	-	0.13	0.46	1.51
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.01	0.02	0.08
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.01	0.02	0.06
Great Falls, MT	CO	Maintenance	100	-	0.00	0.01	0.04
Greater Connecticut, CT	Ozone	Moderate	50	-	0.25	0.94	3.05
Greeley, CO	CO	Maintenance	100	-	0.02	0.07	0.23
Green Bay, WI	SO _x	Maintenance	100	-	0.02	0.07	0.23
Greene County, IN	Ozone	Maintenance	100	-	0.01	0.03	0.09
Greene County, PA	Ozone	Maintenance	100	-	0.01	0.03	0.08
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.25	0.93	3.01
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.12	0.46	1.49
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.14	0.51	1.67
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.01	0.04
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.02	0.07	0.21
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.13	0.49	1.59
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.12	0.45	1.47
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.16	0.61	1.97
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.01	0.02
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.01	0.02	0.07
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.01
Hazelwood, PA	SO _x	Maintenance	100	-	0.01	0.02	0.07
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.03	0.10	0.33
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.05	0.17	0.54
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-16.05	-22.55	-33.21
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.03	0.14	0.51

Table B2-42
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Formaldehyde 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
		t					
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.01	0.07	0.26
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.02	0.05
Imperial County, CA	Ozone	Moderate	50	-	0.03	0.13	0.41
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.03	0.12	0.40
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.01	0.02	0.06
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.31	1.15	3.72
Indianapolis, IN	PM _{2,5}	Nonattainment	100	-	0.25	0.91	2.95
Jackson County, IN	Ozone	Maintenance	100	-	0.01	0.05	0.15
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.02	0.09	0.29
Jefferson County, NY	Ozone	Moderate	50	-	0.02	0.07	0.23
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.03	0.12	0.40
Johnstown, PA	Ozone	Maintenance	100	-	0.02	0.06	0.19
Johnstown, PA	PM _{2,5}	Nonattainment	100	-	0.02	0.06	0.21
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.08	0.29	0.94
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.02	0.05
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.26	0.95	3.09
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.02	0.08	0.27
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.04
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.01	0.05	0.15
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.01	0.05
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Klamath Falls, OR	CO	Maintenance	100	-	0.01	0.03	0.09
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.01	0.03	0.09
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.18	0.68	2.21
Knoxville, TN	PM _{2,5}	Nonattainment	100	-	0.14	0.53	1.71
La Porte County, IN	SO _x	Maintenance	100	-	0.01	0.02	0.06
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.03
Lake County, IN	SO _x	Maintenance	100	-	0.05	0.17	0.56
Lake County, OH	SO _x	Maintenance	100	-	0.01	0.02	0.07
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.02	0.05
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.01	0.04	0.12
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.01	0.04

Table B2-42
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Formaldehyde 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.07	0.26	0.84
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.07	0.26	0.84
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.07	0.27	0.88
LaPorte, IN	Ozone	Maintenance	100	-	0.01	0.06	0.18
Las Vegas, NV	CO	Serious	100	-	0.23	0.86	2.79
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.24	0.87	2.83
Lauderdale County, AL	SO _x	Maintenance	100	-	0.01	0.05	0.16
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.03
Lima, OH	Ozone	Maintenance	100	-	0.02	0.06	0.20
Longmont, CO	CO	Maintenance	100	-	0.01	0.05	0.17
Lorain County, OH	SO _x	Maintenance	100	-	0.01	0.03	0.09
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	2.27	8.60	28.14
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	2.27	8.60	28.14
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	2.27	8.60	28.14
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	2.27	8.60	28.14
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	2.27	8.60	28.13
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.11	0.40	1.28
Louisville, KY-IN	Ozone	Maintenance	100	-	0.17	0.64	2.09
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.17	0.62	2.03
Lowell, MA	CO	Maintenance	100	-	0.02	0.06	0.21
Lucas County, OH	SO _x	Maintenance	100	-	0.05	0.17	0.55
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.01	0.04	0.12
Macon, GA	Ozone	Maintenance	100	-	0.03	0.12	0.39
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.03	0.12	0.38
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Madison, WI	SO _x	Maintenance	100	-	0.04	0.14	0.46
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Manchester, NH	CO	Maintenance	100	-	0.01	0.04	0.14
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.02	0.06	0.19

Table B2-42
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Formaldehyde 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Marion County, IN	SO _x	Maintenance	100	-	0.05	0.18	0.58
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.02	0.06	0.21
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.05	0.18	0.59
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.02	0.05
Medford, OR	CO	Maintenance	100	-	0.01	0.04	0.14
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.03	0.11	0.35
Memphis, TN-AR	Ozone	Maintenance	100	-	0.14	0.55	1.82
Memphis, TN	CO	Maintenance	100	-	0.13	0.50	1.67
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.02	0.05
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.01
Milwaukee, WI	SO _x	Maintenance	100	-	0.08	0.30	0.98
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.27	1.02	3.30
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.16	1.22	4.62
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.43	1.60	5.20
Missoula, MT	CO	Maintenance	100	-	0.01	0.04	0.11
Missoula, MT	PM ₁₀	Moderate	100	-	0.01	0.03	0.11
Modesto, CA	CO	Maintenance	100	-	0.05	0.18	0.57
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.02	0.06	0.19
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Morristown, NJ	CO	Maintenance	100	-	0.01	0.02	0.06
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.02	0.05
Muncie, IN	Ozone	Maintenance	100	-	0.02	0.07	0.21
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.01	0.03
Muskegon, MI	Ozone	Maintenance	100	-	0.02	0.07	0.24
Nashua, NH	CO	Maintenance	100	-	0.01	0.04	0.11
Nashville, TN	Ozone	Former Subpart 1	50	-	0.16	0.80	2.81
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.02	0.08	0.26
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.02	0.08	0.26
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.12	0.45	1.46
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.01
New York County, NY	PM ₁₀	Moderate	100	-	0.07	0.26	0.85
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	1.21	4.47	14.52
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	2.29	8.49	27.57
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	2.27	8.41	27.33
Nogales, AZ	PM ₁₀	Moderate	100	-	0.01	0.02	0.08

Table B2-42
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Formaldehyde 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.24	0.90	2.92
Ogden, UT	CO	Maintenance	100	-	0.01	0.04	0.13
Ogden, UT	PM ₁₀	Moderate	100	-	0.01	0.04	0.13
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.01	0.04
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.02	0.06	0.20
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.01
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.02	0.08	0.27
Parkersburg-Marietta, WV-OH	PM _{2,5}	Nonattainment	100	-	0.02	0.08	0.27
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.01	0.04
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.02	0.06	0.19
Perth Amboy, NJ	CO	Maintenance	100	-	0.01	0.04	0.15
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.06	0.22	0.72
Phildelphia-Wilmington, PA-NY-DE	PM _{2,5}	Nonattainment	100	-	-1.51	-0.81	2.56
Phildelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-1.19	0.38	6.42
Phoenix, AZ	CO	Maintenance	100	-	0.73	2.69	8.75
Phoenix, AZ	PM ₁₀	Serious	70	-	0.75	2.78	9.02
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.75	2.78	9.05
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.01	0.04
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.31	1.14	3.72
Pittsburgh-Beaver Valley, PA	PM _{2,5}	Nonattainment	100	-	0.28	1.04	3.39
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.01	0.04
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Portland, ME	Ozone	Maintenance	100	-	0.09	0.32	1.04
Portland, OR	CO	Maintenance	100	-	0.14	0.60	2.05
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.01	0.03	0.08
Poughkeepsie, NY	Ozone	Moderate	50	-	0.21	0.78	2.54
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Providence (entire State), RI	Ozone	Moderate	50	-	0.15	0.56	1.83
Provo, UT	CO	Maintenance	100	-	0.03	0.09	0.30
Raleigh-Durham, NC	CO	Maintenance	100	-	0.20	0.75	2.42
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.27	1.02	3.30
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.05	0.19	0.62

Table B2-42
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Formaldehyde 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.05	0.19	0.62
Reno, NV	CO	Maintenance	100	-	0.04	0.14	0.45
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.19	0.70	2.27
Rillito, AZ	PM ₁₀	Moderate	100	-	0.01	0.03	0.09
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.10	0.37	1.19
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.04	0.15	0.49
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.01	0.05	0.15
Rochester, NY	Ozone	Former Subpart 1	50	-	0.21	0.76	2.48
Rocky Mount, NC	Ozone	Maintenance	100	-	0.03	0.11	0.34
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.02	0.07	0.22
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.23	0.85	2.78
Sacramento Metro, CA	Ozone	Severe	25	-	0.41	1.54	4.99
Sacramento, CA	CO	Maintenance	100	-	0.26	0.95	3.10
Salem, OR	CO	Maintenance	100	-	0.02	0.07	0.24
Salt Lake City, UT	CO	Maintenance	100	-	0.02	0.10	0.36
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.14	0.57	1.87
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.16	0.59	1.91
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.29	1.06	3.45
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.07	0.25	0.80
San Diego, CA	CO	Maintenance	100	-	0.64	2.37	7.71
San Diego, CA	Ozone	Former Subpart 1	50	-	0.64	2.38	7.73
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-1.76	-0.53	4.79
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-1.63	-0.04	6.37
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.62	2.48	8.25
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.63	2.49	8.28
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.62	2.48	8.25
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.01	0.02	0.06
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.10	0.38	1.24
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.35	1.54	5.26
Sheboygan, WI	Ozone	Moderate	50	-	0.02	0.07	0.22
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.01	0.04
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00

Table B2-42
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Formaldehyde 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Somerville, NJ	CO	Maintenance	100	-	0.00	0.01	0.03
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.07	0.26	0.84
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.03	0.10	0.32
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.05	0.17	0.55
Spokane, WA	CO	Maintenance	100	-	0.05	0.17	0.55
Springfield (western MA), MA	Ozone	Moderate	50	-	0.14	0.51	1.66
Springfield, MA	CO	Maintenance	100	-	0.02	0.08	0.27
St Louis, MO	CO	Maintenance	100	-	0.14	0.52	1.70
St Louis, MO-IL	Ozone	Moderate	50	-	0.46	1.69	5.49
St. Louis, MO-IL	PM _{2,5}	Nonattainment	100	-	0.45	1.68	5.45
State College, PA	Ozone	Maintenance	100	-	0.03	0.10	0.32
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	0.03
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.01	0.02	0.08
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.01	0.05	0.18
Steubenville-Weirton, OH-WV	PM _{2,5}	Nonattainment	100	-	0.01	0.05	0.18
Stockton, CA	CO	Maintenance	100	-	0.07	0.27	0.86
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.08	0.29	0.95
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.02	0.08	0.24
Tioga County, PA	Ozone	Maintenance	100	-	0.01	0.03	0.10
Toledo, OH	Ozone	Maintenance	100	-	0.08	0.31	1.02
Toms River, NJ	CO	Maintenance	100	-	0.02	0.06	0.18
Tooele County, UT	SO _x	Nonattainment	100	-	0.02	0.06	0.19
Trenton, NJ	CO	Maintenance	100	-	0.01	0.05	0.16
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Tucson, AZ	CO	Maintenance	100	-	0.15	0.57	1.84
Utah County, UT	PM ₁₀	Moderate	100	-	0.07	0.28	0.90
Vancouver, WA	CO	Maintenance	100	-	0.05	0.18	0.58
Ventura County, CA	Ozone	Serious	50	-	0.13	0.48	1.56
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Vigo County, IN	SO _x	Maintenance	100	-	0.02	0.08	0.24
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.01	0.03	0.10
Warren County, NJ	SO _x	Maintenance	100	-	0.01	0.02	0.07
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.01	0.03
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.03	0.12	0.39
Washington, DC-MD-VA	CO	Maintenance	100	-	0.24	0.89	2.90

Table B2-42
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Formaldehyde 2025

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.83	3.08	10.02
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.81	3.02	9.81
Washoe County, NV	PM ₁₀	Serious	70	-	0.04	0.14	0.45
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Wayne County, IN	SO _x	Maintenance	100	-	0.01	0.04	0.13
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.01	0.04	0.14
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.01	0.02
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.02	0.09	0.28
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.02	0.09	0.28
Winston-Salem, NC	CO	Maintenance	100	-	0.06	0.23	0.76
Worcester, MA	CO	Maintenance	100	-	0.03	0.12	0.40
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.01	0.05	0.17
Yakima, WA	CO	Maintenance	100	-	0.01	0.02	0.07
York, PA	Ozone	Maintenance	100	-	0.07	0.25	0.83
York, PA	PM _{2.5}	Nonattainment	100	-	0.05	0.20	0.64
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.10	0.36	1.18
Yuma, AZ	PM ₁₀	Moderate	100	-	0.03	0.11	0.34

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

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

c/ Emissions thresholds in tons/year of: VOC or NO_x in ozone NAAs; primary PM_{2.5} in PM_{2.5} NAAs. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the proposed actions. Source: EPA, 2008.

Table B2-43
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Formaldehyde 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.01	0.01
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.01	0.02
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	1.14	4.43	7.41
Albuquerque, NM	CO	Maintenance	100	-	0.52	2.02	3.37
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.14	0.54	0.90
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.52	2.05	3.42
Altoona, PA	Ozone	Maintenance	100	-	0.08	0.33	0.54
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.18	0.70	1.17
Anchorage, AK	CO	Maintenance	100	-	0.13	0.52	0.88
Anthony, NM	PM ₁₀	Moderate	100	-	0.01	0.03	0.04
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.02	0.03
Aspen, CO	PM ₁₀	Maintenance	100	-	0.01	0.03	0.04
Atlanta, GA	Ozone	Moderate	50	-	6.21	24.24	40.53
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	6.21	24.25	40.55
Atlantic City, NJ	CO	Maintenance	100	-	0.04	0.17	0.29
Bakersfield, CA	CO	Maintenance	100	-	0.15	1.24	2.16
Baltimore, MD	CO	Maintenance	100	-	0.01	0.03	0.06
Baltimore, MD	Ozone	Moderate	50	-	2.72	10.61	17.74
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	2.72	10.61	17.74
Baton Rouge, LA	Ozone	Moderate	50	-	-5.12	-5.85	-8.08
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-19.83	-27.85	-40.57
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Benton Harbor, MI	Ozone	Maintenance	100	-	0.14	0.56	0.94
Benzie County, MI	Ozone	Maintenance	100	-	0.02	0.09	0.15
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.13	0.52	0.87
Billings, MT	CO	Maintenance	100	-	0.06	0.25	0.42
Birmingham, AL	Ozone	Maintenance	100	-	0.86	3.37	5.64
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.87	3.39	5.66
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.30	1.17	1.96
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.30	1.17	1.96
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.02	0.06	0.11
Boston, MA	CO	Maintenance	100	-	0.74	2.89	4.83
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	4.53	17.67	29.54
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.59	2.31	3.86
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.00	0.01	0.02

Table B2-43
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Formaldehyde 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.99	3.87	6.47
Burlington, NJ	CO	Maintenance	100	-	0.01	0.02	0.04
Butte, MT	PM ₁₀	Moderate	100	-	0.02	0.06	0.11
Canon City, CO	PM ₁₀	Maintenance	100	-	0.02	0.07	0.12
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.25	0.96	1.61
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.25	0.96	1.61
Case County, MI	Ozone	Maintenance	100	-	0.04	0.15	0.24
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.02	0.03
Charleston, WV	Ozone	Maintenance	100	-	0.22	0.88	1.46
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.22	0.88	1.46
Charlotte, NC	CO	Maintenance	100	-	0.69	2.69	4.49
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	1.52	5.93	9.91
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.47	1.83	3.06
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.43	1.68	2.81
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	6.19	24.63	41.23
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	6.41	25.47	42.64
Chico, CA	CO	Maintenance	100	-	0.11	0.45	0.75
Chico, CA	Ozone	Former Subpart 1	50	-	0.25	0.99	1.65
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	1.74	6.80	11.37
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	1.69	6.59	11.02
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.01	0.04	0.07
Clark County, NV	PM ₁₀	Serious	70	-	1.47	5.75	9.61
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.24	0.93	1.56
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.15	0.60	1.01
Cleveland, OH	CO	Maintenance	100	-	0.75	2.92	4.88
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	2.20	8.58	14.35
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	2.02	7.88	13.17
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.65	2.55	4.27
Colbert County, AL	SO _x	Maintenance	100	-	0.05	0.19	0.31
Colorado Springs, CO	CO	Maintenance	100	-	0.56	2.19	3.66
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.01	0.02	0.03
Columbia, SC	Ozone	Former Subpart 1	50	-	0.58	2.25	3.75
Columbus, OH	Ozone	Maintenance	100	-	1.57	6.13	10.24

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Columbus, OH	PM _{2.5}	Nonattainment	100	-	1.46	5.70	9.52
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.01	0.02
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.75	2.92	4.88
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.62	2.43	4.06
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	6.64	25.90	43.30
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.70	2.73	4.57
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.62	2.41	4.03
Denver Metro, CO	PM ₁₀	Maintenance	100	-	2.80	10.94	18.29
Denver-Boulder, CO	CO	Maintenance	100	-	2.68	10.46	17.49
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	3.38	13.20	22.07
Detroit, MI	CO	Maintenance	100	-	1.27	4.96	8.29
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	4.06	15.85	26.49
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	3.98	15.55	26.00
Door County, WI	Ozone	Former Subpart 1	50	-	0.03	0.13	0.22
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.03	0.12	0.20
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.02	0.10	0.16
Duluth, MN	CO	Maintenance	100	-	0.07	0.26	0.44
Eagle River, AK	PM ₁₀	Moderate	100	-	0.01	0.03	0.05
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.17	0.67	1.13
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.01
El Paso County, TX	PM ₁₀	Moderate	100	-	0.44	1.72	2.88
El Paso, TX	CO	Maintenance	100	-	0.03	0.11	0.18
Erie, PA	Ozone	Maintenance	100	-	0.19	0.75	1.25
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.01	0.01
Eugene-Springfield, OR	CO	Maintenance	100	-	0.21	0.81	1.36
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.20	0.78	1.30
Evansville, IN	Ozone	Maintenance	100	-	0.22	0.86	1.43
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.28	1.09	1.83
Fairbanks, AK	CO	Maintenance	100	-	0.02	0.06	0.11
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.26	1.01	1.69
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.01	0.03	0.05
Flint, MI	Ozone	Maintenance	100	-	0.44	1.73	2.89
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Fort Collins, CO	CO	Maintenance	100	-	0.17	0.66	1.11

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.32	1.26	2.10
Franklin County, PA	Ozone	Maintenance	100	-	0.14	0.54	0.90
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.12	0.45	0.75
Fredericksburg, VA	Ozone	Maintenance	100	-	0.40	1.57	2.63
Freehold, NJ	CO	Maintenance	100	-	0.02	0.07	0.11
Fresno, CA	CO	Maintenance	100	-	0.56	2.17	3.63
Grand Rapids, MI	Ozone	Maintenance	100	-	0.74	2.91	4.86
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.03	0.13	0.21
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.01	0.01
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.03	0.12	0.21
Great Falls, MT	CO	Maintenance	100	-	0.02	0.06	0.10
Greater Connecticut, CT	Ozone	Moderate	50	-	1.41	5.49	9.18
Greeley, CO	CO	Maintenance	100	-	0.11	0.45	0.74
Green Bay, WI	SO _x	Maintenance	100	-	0.11	0.43	0.72
Greene County, IN	Ozone	Maintenance	100	-	0.04	0.17	0.28
Greene County, PA	Ozone	Maintenance	100	-	0.04	0.15	0.25
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	1.41	5.50	9.19
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.69	2.69	4.50
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.76	2.97	4.96
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.02	0.08	0.13
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.10	0.40	0.67
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.78	3.05	5.09
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.72	2.81	4.69
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.90	3.51	5.86
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.01	0.04	0.06
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.04	0.15	0.25
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.02	0.03
Hazelwood, PA	SO _x	Maintenance	100	-	0.03	0.14	0.23
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.15	0.58	0.97
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.25	0.97	1.63
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.01	0.01
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-51.79	-62.28	-87.21
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.01	0.02
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.19	0.89	1.51

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
		t					
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.07	0.42	0.73
Huron County, MI	Ozone	Maintenance	100	-	0.02	0.09	0.16
Imperial County, CA	Ozone	Moderate	50	-	0.21	0.83	1.39
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.21	0.82	1.36
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.03	0.11	0.18
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	1.82	7.11	11.88
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	1.45	5.65	9.44
Jackson County, IN	Ozone	Maintenance	100	-	0.07	0.27	0.44
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.13	0.52	0.87
Jefferson County, NY	Ozone	Moderate	50	-	0.11	0.42	0.70
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.01	0.02	0.04
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.18	0.71	1.20
Johnstown, PA	Ozone	Maintenance	100	-	0.08	0.30	0.50
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.08	0.33	0.55
Juneau, AK	PM ₁₀	Moderate	100	-	0.01	0.04	0.07
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.43	1.69	2.83
Kalispell, MT	PM ₁₀	Moderate	100	-	0.03	0.11	0.18
Kansas City, MO-KS	Ozone	Maintenance	100	-	1.52	5.93	9.91
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.13	0.51	0.86
Kent, WA	PM ₁₀	Maintenance	100	-	0.02	0.09	0.15
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.07	0.28	0.47
Kewaunee County, WI	Ozone	Maintenance	100	-	0.02	0.08	0.14
King County, WA	PM ₁₀	Maintenance	100	-	0.01	0.03	0.06
Klamath Falls, OR	CO	Maintenance	100	-	0.04	0.16	0.27
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.04	0.16	0.27
Knoxville, TN	Ozone	Former Subpart 1	50	-	1.12	4.36	7.29
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.85	3.33	5.56
La Porte County, IN	SO _x	Maintenance	100	-	0.03	0.11	0.19
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.01	0.05	0.09
Lake County, IN	SO _x	Maintenance	100	-	0.25	0.98	1.65
Lake County, OH	SO _x	Maintenance	100	-	0.03	0.12	0.20
Lake County, OR	PM ₁₀	Maintenance	100	-	0.01	0.02	0.03
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.03	0.12	0.21
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.07	0.27	0.46
Lake Tahoe, NV	CO	Maintenance	100	-	0.02	0.07	0.12

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Lamar, CO	PM ₁₀	Maintenance	100	-	0.01	0.03	0.05
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Lancaster, PA	Ozone	Maintenance	100	-	0.40	1.57	2.63
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.40	1.57	2.63
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.42	1.63	2.72
LaPorte, IN	Ozone	Maintenance	100	-	0.08	0.31	0.52
Las Vegas, NV	CO	Serious	100	-	1.47	5.75	9.61
Las Vegas, NV	Ozone	Former Subpart 1	50	-	1.49	5.82	9.73
Lauderdale County, AL	SO _x	Maintenance	100	-	0.07	0.29	0.48
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.01	0.01
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.02	0.03
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.04	0.07
Lima, OH	Ozone	Maintenance	100	-	0.09	0.36	0.60
Longmont, CO	CO	Maintenance	100	-	0.09	0.35	0.58
Lorain County, OH	SO _x	Maintenance	100	-	0.04	0.16	0.26
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	13.86	54.80	91.70
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	13.86	54.80	91.70
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	13.86	54.80	91.70
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	13.86	54.80	91.70
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	13.86	54.80	91.69
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.65	2.52	4.22
Louisville, KY-IN	Ozone	Maintenance	100	-	0.97	3.77	6.31
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.93	3.62	6.05
Lowell, MA	CO	Maintenance	100	-	0.10	0.41	0.68
Lucas County, OH	SO _x	Maintenance	100	-	0.25	0.96	1.60
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.05	0.20	0.33
Macon, GA	Ozone	Maintenance	100	-	0.17	0.66	1.11
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.17	0.66	1.10
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.01	0.02
Madison, WI	SO _x	Maintenance	100	-	0.24	0.92	1.54
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.01	0.04	0.07
Manchester, NH	CO	Maintenance	100	-	0.06	0.25	0.41
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.09	0.33	0.56

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Marion County, IN	SO _x	Maintenance	100	-	0.26	1.01	1.70
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.12	0.45	0.75
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.28	1.10	1.83
Mason County, MI	Ozone	Maintenance	100	-	0.02	0.09	0.15
Medford, OR	CO	Maintenance	100	-	0.08	0.30	0.50
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.18	0.71	1.19
Memphis, TN-AR	Ozone	Maintenance	100	-	0.78	3.18	5.32
Memphis, TN	CO	Maintenance	100	-	0.72	2.93	4.91
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.03	0.11	0.18
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.02	0.03
Milwaukee, WI	SO _x	Maintenance	100	-	0.44	1.73	2.89
Milwaukee-Racine, WI	Ozone	Moderate	50	-	1.58	6.17	10.31
Minneapolis-St Paul, MN	CO	Maintenance	100	-	1.66	8.82	15.03
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	2.54	9.91	16.57
Missoula, MT	CO	Maintenance	100	-	0.06	0.22	0.36
Missoula, MT	PM ₁₀	Moderate	100	-	0.05	0.21	0.35
Modesto, CA	CO	Maintenance	100	-	0.31	1.20	2.01
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.10	0.41	0.68
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.01	0.02
Morristown, NJ	CO	Maintenance	100	-	0.03	0.12	0.21
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.02	0.09	0.16
Muncie, IN	Ozone	Maintenance	100	-	0.09	0.36	0.59
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.02	0.03
Muscatine County, IA	SO _x	Maintenance	100	-	0.01	0.05	0.09
Muskegon, MI	Ozone	Maintenance	100	-	0.11	0.45	0.75
Nashua, NH	CO	Maintenance	100	-	0.05	0.20	0.33
Nashville, TN	Ozone	Former Subpart 1	50	-	1.20	5.43	9.17
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.15	0.60	1.00
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.13	0.52	0.86
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.67	2.60	4.35
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.02	0.03
New York County, NY	PM ₁₀	Moderate	100	-	0.37	1.45	2.43
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	6.73	26.28	43.94
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	13.00	50.75	84.84
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	12.89	50.30	84.09
Nogales, AZ	PM ₁₀	Moderate	100	-	0.04	0.14	0.24

Table B2-43
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Formaldehyde 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	1.37	5.33	8.91
Ogden, UT	CO	Maintenance	100	-	0.06	0.23	0.39
Ogden, UT	PM ₁₀	Moderate	100	-	0.06	0.23	0.39
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	0.01
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.02	0.07	0.11
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.10	0.40	0.67
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.02	0.03
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.12	0.48	0.80
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.12	0.48	0.80
Payson, AZ	PM ₁₀	Maintenance	100	-	0.02	0.07	0.12
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.08	0.32	0.54
Perth Amboy, NJ	CO	Maintenance	100	-	0.08	0.30	0.51
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.31	1.23	2.05
Phildelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-3.57	4.24	9.29
Phildelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-1.74	11.38	21.22
Phoenix, AZ	CO	Maintenance	100	-	4.99	19.47	32.55
Phoenix, AZ	PM ₁₀	Serious	70	-	5.13	20.01	33.45
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	5.14	20.06	33.54
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.01	0.03	0.06
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Pittsburgh, PA	CO	Maintenance	100	-	0.02	0.09	0.15
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	1.69	6.60	11.04
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	1.55	6.03	10.08
Polk County, TN	SO _x	Maintenance	100	-	0.02	0.07	0.12
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Portland, ME	Ozone	Maintenance	100	-	0.49	1.93	3.22
Portland, OR	CO	Maintenance	100	-	0.87	3.73	6.28
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.04	0.15	0.24
Poughkeepsie, NY	Ozone	Moderate	50	-	1.31	5.11	8.54
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.01	0.03	0.05
Providence (entire State), RI	Ozone	Moderate	50	-	0.88	3.45	5.77
Provo, UT	CO	Maintenance	100	-	0.16	0.61	1.02
Raleigh-Durham, NC	CO	Maintenance	100	-	1.23	4.79	8.01
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	1.67	6.51	10.89
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.01	0.01
Reading, PA	Ozone	Maintenance	100	-	0.29	1.13	1.88

Table B2-43
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Formaldehyde 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.29	1.13	1.88
Reno, NV	CO	Maintenance	100	-	0.22	0.84	1.40
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.01
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	1.07	4.18	6.98
Rillito, AZ	PM ₁₀	Moderate	100	-	0.05	0.19	0.32
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.65	2.55	4.27
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.22	0.87	1.45
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.07	0.28	0.47
Rochester, NY	Ozone	Former Subpart 1	50	-	1.16	4.54	7.59
Rocky Mount, NC	Ozone	Maintenance	100	-	0.16	0.61	1.02
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.10	0.40	0.67
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.01	0.01
Sacramento County, CA	PM ₁₀	Moderate	100	-	1.50	5.84	9.76
Sacramento Metro, CA	Ozone	Severe	25	-	2.74	10.71	17.90
Sacramento, CA	CO	Maintenance	100	-	1.68	6.56	10.97
Salem, OR	CO	Maintenance	100	-	0.11	0.44	0.73
Salt Lake City, UT	CO	Maintenance	100	-	0.14	0.68	1.15
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.88	3.55	5.95
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.93	3.63	6.06
San Antonio, TX	Ozone	Former Subpart 1	50	-	1.70	6.64	11.09
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.40	1.57	2.62
San Diego, CA	CO	Maintenance	100	-	4.06	15.87	26.52
San Diego, CA	Ozone	Former Subpart 1	50	-	4.07	15.90	26.57
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-3.24	10.09	19.62
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-2.48	13.08	24.62
San Joaquin Valley, CA	Ozone	Extreme	10	-	4.24	17.20	28.84
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	4.26	17.26	28.93
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	4.24	17.20	28.84
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.03	0.13	0.21
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.58	2.27	3.79
Seattle-Tacoma, WA	CO	Maintenance	100	-	2.38	10.21	17.18
Sheboygan, WI	Ozone	Moderate	50	-	0.11	0.42	0.70
Sheridan, WY	PM ₁₀	Moderate	100	-	0.02	0.07	0.12
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00

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Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Formaldehyde 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Somerville, NJ	CO	Maintenance	100	-	0.02	0.06	0.10
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.39	1.53	2.56
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.13	0.51	0.85
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.27	1.06	1.78
Spokane, WA	CO	Maintenance	100	-	0.27	1.05	1.76
Springfield (western MA), MA	Ozone	Moderate	50	-	0.78	3.03	5.06
Springfield, MA	CO	Maintenance	100	-	0.13	0.50	0.84
St Louis, MO	CO	Maintenance	100	-	0.71	2.79	4.66
St Louis, MO-IL	Ozone	Moderate	50	-	2.49	9.71	16.24
St. Louis, MO-IL	PM _{2,5}	Nonattainment	100	-	2.47	9.65	16.13
State College, PA	Ozone	Maintenance	100	-	0.16	0.62	1.03
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.02	0.07	0.12
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.03	0.13	0.22
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.08	0.30	0.50
Steubenville-Weirton, OH-WV	PM _{2,5}	Nonattainment	100	-	0.08	0.30	0.50
Stockton, CA	CO	Maintenance	100	-	0.47	1.82	3.04
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.43	1.69	2.82
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	0.01
Terre Haute, IN	Ozone	Maintenance	100	-	0.10	0.41	0.68
Tioga County, PA	Ozone	Maintenance	100	-	0.05	0.18	0.30
Toledo, OH	Ozone	Maintenance	100	-	0.46	1.80	3.01
Toms River, NJ	CO	Maintenance	100	-	0.10	0.37	0.62
Tooele County, UT	SO _x	Nonattainment	100	-	0.09	0.36	0.59
Trenton, NJ	CO	Maintenance	100	-	0.08	0.31	0.51
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Tucson, AZ	CO	Maintenance	100	-	0.93	3.63	6.07
Utah County, UT	PM ₁₀	Moderate	100	-	0.45	1.77	2.96
Vancouver, WA	CO	Maintenance	100	-	0.30	1.18	1.97
Ventura County, CA	Ozone	Serious	50	-	0.83	3.23	5.40
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.01	0.02	0.04
Vigo County, IN	SO _x	Maintenance	100	-	0.10	0.41	0.68
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.05	0.19	0.32
Warren County, NJ	SO _x	Maintenance	100	-	0.03	0.12	0.21
Warren County, PA	SO _x	Nonattainment	100	-	0.01	0.04	0.07
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.18	0.71	1.20
Washington, DC-MD-VA	CO	Maintenance	100	-	1.40	5.46	9.12

Table B2-43
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Formaldehyde 2040

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	5.00	19.53	32.65
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	4.89	19.10	31.93
Washoe County, NV	PM ₁₀	Serious	70	-	0.22	0.84	1.40
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.01	0.02
Wayne County, IN	SO _x	Maintenance	100	-	0.06	0.22	0.37
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.07	0.29	0.48
Weirton, WV	PM ₁₀	Maintenance	100	-	0.01	0.03	0.05
Weirton, WV	SO _x	Maintenance	100	-	0.01	0.04	0.06
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.12	0.46	0.77
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.12	0.46	0.77
Winston-Salem, NC	CO	Maintenance	100	-	0.36	1.42	2.37
Worcester, MA	CO	Maintenance	100	-	0.20	0.80	1.33
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.08	0.33	0.54
Yakima, WA	CO	Maintenance	100	-	0.04	0.15	0.24
York, PA	Ozone	Maintenance	100	-	0.40	1.58	2.63
York, PA	PM _{2.5}	Nonattainment	100	-	0.31	1.22	2.04
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.52	2.02	3.37
Yuma, AZ	PM ₁₀	Moderate	100	-	0.18	0.69	1.16

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

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

c/ Emissions thresholds in tons/year of: VOC or NO_x in ozone NAAs; primary PM_{2.5} in PM_{2.5} NAAs. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the proposed actions. Source: EPA, 2008.

Table B2-44
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Formaldehyde 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.01	0.01
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.01	0.02	0.04
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.01	0.02	0.04
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	2.17	6.90	11.21
Albuquerque, NM	CO	Maintenance	100	-	0.98	3.10	5.04
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.28	0.87	1.42
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	1.00	3.17	5.15
Altoona, PA	Ozone	Maintenance	100	-	0.15	0.47	0.76
Amador and Calveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.39	1.25	2.03
Anchorage, AK	CO	Maintenance	100	-	0.26	0.84	1.37
Anthony, NM	PM ₁₀	Moderate	100	-	0.01	0.04	0.06
Armstrong County, PA	SO _x	Nonattainment	100	-	0.01	0.03	0.04
Aspen, CO	PM ₁₀	Maintenance	100	-	0.01	0.04	0.07
Atlanta, GA	Ozone	Moderate	50	-	12.29	39.06	63.45
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	12.30	39.07	63.47
Atlantic City, NJ	CO	Maintenance	100	-	0.08	0.26	0.41
Bakersfield, CA	CO	Maintenance	100	-	0.29	1.98	3.42
Baltimore, MD	CO	Maintenance	100	-	0.02	0.05	0.08
Baltimore, MD	Ozone	Moderate	50	-	5.30	16.83	27.35
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	5.30	16.83	27.35
Baton Rouge, LA	Ozone	Moderate	50	-	-10.54	-10.41	-12.67
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-40.56	-47.94	-63.04
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.01	0.01
Benton Harbor, MI	Ozone	Maintenance	100	-	0.25	0.80	1.30
Benzie County, MI	Ozone	Maintenance	100	-	0.05	0.15	0.25
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.26	0.83	1.35
Billings, MT	CO	Maintenance	100	-	0.12	0.38	0.62
Birmingham, AL	Ozone	Maintenance	100	-	1.59	5.06	8.22
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	1.60	5.08	8.25
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.59	1.88	3.06
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.59	1.88	3.06
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.03	0.11	0.18
Boston, MA	CO	Maintenance	100	-	1.39	4.42	7.19
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	8.63	27.44	44.57
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	1.15	3.66	5.95
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.02	0.01	0.03

Table B2-44
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Formaldehyde 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	1.84	5.85	9.50
Burlington, NJ	CO	Maintenance	100	-	0.01	0.02	0.04
Butte, MT	PM ₁₀	Moderate	100	-	0.03	0.09	0.14
Canon City, CO	PM ₁₀	Maintenance	100	-	0.04	0.13	0.20
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.45	1.42	2.31
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.45	1.42	2.31
Case County, MI	Ozone	Maintenance	100	-	0.07	0.22	0.36
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.01	0.03	0.04
Charleston, WV	Ozone	Maintenance	100	-	0.39	1.25	2.03
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.39	1.25	2.03
Charlotte, NC	CO	Maintenance	100	-	1.37	4.35	7.07
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	2.99	9.51	15.45
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.87	2.77	4.50
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.81	2.56	4.17
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	11.98	38.81	63.19
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	12.39	40.14	65.35
Chico, CA	CO	Maintenance	100	-	0.25	0.81	1.31
Chico, CA	Ozone	Former Subpart 1	50	-	0.53	1.69	2.74
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	3.31	10.55	17.14
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	3.21	10.21	16.59
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.02	0.05	0.09
Clark County, NV	PM ₁₀	Serious	70	-	3.04	9.67	15.70
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.47	1.49	2.43
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.29	0.91	1.48
Cleveland, OH	CO	Maintenance	100	-	1.29	4.11	6.68
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	4.06	12.90	20.95
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	3.71	11.79	19.16
Coachella Valley, CA	PM ₁₀	Serious	70	-	1.39	4.42	7.18
Colbert County, AL	SO _x	Maintenance	100	-	0.08	0.26	0.42
Colorado Springs, CO	CO	Maintenance	100	-	1.13	3.60	5.84
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.01	0.03	0.06
Columbia, SC	Ozone	Former Subpart 1	50	-	1.10	3.50	5.69
Columbus, OH	Ozone	Maintenance	100	-	3.12	9.92	16.12

Table B2-44
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Formaldehyde 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Columbus, OH	PM _{2.5}	Nonattainment	100	-	2.91	9.24	15.02
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.01	0.02
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	1.29	4.11	6.68
Cuyahoga County, OH	SO _x	Maintenance	100	-	1.12	3.54	5.76
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	13.39	42.56	69.14
Dayton-Springfield, OH	Ozone	Maintenance	100	-	1.27	4.04	6.56
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	1.12	3.55	5.76
Denver Metro, CO	PM ₁₀	Maintenance	100	-	5.60	17.80	28.92
Denver-Boulder, CO	CO	Maintenance	100	-	5.35	17.01	27.64
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	6.76	21.49	34.91
Detroit, MI	CO	Maintenance	100	-	2.02	6.41	10.41
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	7.68	24.40	39.63
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	7.53	23.94	38.89
Door County, WI	Ozone	Former Subpart 1	50	-	0.07	0.21	0.34
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.06	0.18	0.28
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.05	0.14	0.23
Duluth, MN	CO	Maintenance	100	-	0.12	0.38	0.62
Eagle River, AK	PM ₁₀	Moderate	100	-	0.02	0.05	0.09
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.31	1.00	1.62
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.01	0.01
El Paso County, TX	PM ₁₀	Moderate	100	-	0.85	2.71	4.41
El Paso, TX	CO	Maintenance	100	-	0.05	0.16	0.26
Erie, PA	Ozone	Maintenance	100	-	0.35	1.11	1.80
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.01	0.02
Eugene-Springfield, OR	CO	Maintenance	100	-	0.41	1.29	2.10
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.39	1.24	2.02
Evansville, IN	Ozone	Maintenance	100	-	0.41	1.31	2.12
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.52	1.65	2.68
Fairbanks, AK	CO	Maintenance	100	-	0.03	0.11	0.17
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.49	1.56	2.54
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.01	0.04	0.07
Flint, MI	Ozone	Maintenance	100	-	0.82	2.60	4.23
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Fort Collins, CO	CO	Maintenance	100	-	0.34	1.10	1.78

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.61	1.94	3.15
Franklin County, PA	Ozone	Maintenance	100	-	0.27	0.84	1.37
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.22	0.70	1.14
Fredericksburg, VA	Ozone	Maintenance	100	-	0.83	2.63	4.27
Freehold, NJ	CO	Maintenance	100	-	0.04	0.12	0.20
Fresno, CA	CO	Maintenance	100	-	1.11	3.52	5.71
Grand Rapids, MI	Ozone	Maintenance	100	-	1.46	4.65	7.55
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.06	0.18	0.29
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.01	0.02
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.07	0.21	0.34
Great Falls, MT	CO	Maintenance	100	-	0.03	0.08	0.13
Greater Connecticut, CT	Ozone	Moderate	50	-	2.60	8.26	13.43
Greeley, CO	CO	Maintenance	100	-	0.23	0.72	1.16
Green Bay, WI	SO _x	Maintenance	100	-	0.21	0.67	1.08
Greene County, IN	Ozone	Maintenance	100	-	0.08	0.26	0.42
Greene County, PA	Ozone	Maintenance	100	-	0.07	0.22	0.36
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	2.64	8.38	13.61
Greensboro-Winston salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	1.28	4.07	6.61
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	1.39	4.43	7.20
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.04	0.12	0.19
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.19	0.61	1.00
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	1.52	4.84	7.87
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	1.40	4.46	7.25
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	1.64	5.21	8.46
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.02	0.06	0.10
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.08	0.25	0.40
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.01	0.03	0.04
Hazelwood, PA	SO _x	Maintenance	100	-	0.07	0.21	0.35
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.27	0.85	1.38
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.46	1.45	2.36
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.01	0.02
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-100.15	-101.67	-125.47
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.01	0.02
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.33	1.28	2.13

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
		t					
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.10	0.57	0.97
Huron County, MI	Ozone	Maintenance	100	-	0.04	0.14	0.22
Imperial County, CA	Ozone	Moderate	50	-	0.44	1.39	2.26
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.43	1.36	2.22
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.05	0.16	0.26
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.01
Indianapolis, IN	Ozone	Maintenance	100	-	3.54	11.26	18.30
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	2.82	8.96	14.56
Jackson County, IN	Ozone	Maintenance	100	-	0.13	0.40	0.65
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.25	0.78	1.27
Jefferson County, NY	Ozone	Moderate	50	-	0.20	0.64	1.04
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.01	0.03	0.05
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.34	1.06	1.73
Johnstown, PA	Ozone	Maintenance	100	-	0.12	0.39	0.63
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.14	0.43	0.70
Juneau, AK	PM ₁₀	Moderate	100	-	0.02	0.07	0.12
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.80	2.56	4.15
Kalispell, MT	PM ₁₀	Moderate	100	-	0.06	0.18	0.29
Kansas City, MO-KS	Ozone	Maintenance	100	-	2.97	9.42	15.31
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.26	0.82	1.33
Kent, WA	PM ₁₀	Maintenance	100	-	0.04	0.14	0.24
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.13	0.43	0.69
Kewaunee County, WI	Ozone	Maintenance	100	-	0.04	0.12	0.20
King County, WA	PM ₁₀	Maintenance	100	-	0.01	0.06	0.09
Klamath Falls, OR	CO	Maintenance	100	-	0.08	0.24	0.40
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.08	0.24	0.40
Knoxville, TN	Ozone	Former Subpart 1	50	-	2.24	7.11	11.55
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	1.69	5.36	8.71
La Porte County, IN	SO _x	Maintenance	100	-	0.05	0.16	0.26
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.02	0.08	0.13
Lake County, IN	SO _x	Maintenance	100	-	0.45	1.43	2.33
Lake County, OH	SO _x	Maintenance	100	-	0.06	0.18	0.29
Lake County, OR	PM ₁₀	Maintenance	100	-	0.01	0.03	0.05
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.07	0.23	0.37
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.16	0.51	0.83
Lake Tahoe, NV	CO	Maintenance	100	-	0.03	0.10	0.17

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Lamar, CO	PM ₁₀	Maintenance	100	-	0.01	0.04	0.07
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
Lancaster, PA	Ozone	Maintenance	100	-	0.77	2.45	3.99
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.77	2.45	3.99
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.79	2.51	4.07
LaPorte, IN	Ozone	Maintenance	100	-	0.14	0.44	0.72
Las Vegas, NV	CO	Serious	100	-	3.04	9.67	15.70
Las Vegas, NV	Ozone	Former Subpart 1	50	-	3.07	9.77	15.86
Lauderdale County, AL	SO _x	Maintenance	100	-	0.13	0.42	0.68
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.01	0.01
Libby, MT	PM ₁₀	Moderate	100	-	0.01	0.02	0.03
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.04
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.05	0.09
Lima, OH	Ozone	Maintenance	100	-	0.17	0.53	0.87
Longmont, CO	CO	Maintenance	100	-	0.18	0.58	0.95
Lorain County, OH	SO _x	Maintenance	100	-	0.08	0.24	0.39
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	27.39	88.20	143.50
Los Angeles South Coast Air Basin, CA	Nox	Maintenance	100	-	27.39	88.20	143.50
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	27.39	88.20	143.50
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	27.39	88.20	143.50
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	27.39	88.20	143.49
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	1.29	4.10	6.66
Louisville, KY-IN	Ozone	Maintenance	100	-	1.79	5.69	9.25
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	1.70	5.41	8.80
Lowell, MA	CO	Maintenance	100	-	0.21	0.66	1.07
Lucas County, OH	SO _x	Maintenance	100	-	0.44	1.39	2.26
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.09	0.29	0.47
Macon, GA	Ozone	Maintenance	100	-	0.30	0.95	1.55
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.30	0.94	1.53
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.01	0.02
Madison, WI	SO _x	Maintenance	100	-	0.48	1.53	2.48
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.03	0.08	0.13
Manchester, NH	CO	Maintenance	100	-	0.11	0.34	0.55
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.16	0.50	0.81

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Marion County, IN	SO _x	Maintenance	100	-	0.47	1.49	2.41
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.24	0.78	1.26
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.53	1.69	2.75
Mason County, MI	Ozone	Maintenance	100	-	0.05	0.14	0.23
Medford, OR	CO	Maintenance	100	-	0.16	0.50	0.81
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.38	1.21	1.96
Memphis, TN-AR	Ozone	Maintenance	100	-	1.40	4.64	7.58
Memphis, TN	CO	Maintenance	100	-	1.29	4.30	7.02
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.06	0.18	0.30
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.01	0.02	0.04
Milwaukee, WI	SO _x	Maintenance	100	-	0.81	2.57	4.18
Milwaukee-Racine, WI	Ozone	Moderate	50	-	3.02	9.59	15.59
Minneapolis-St Paul, MN	CO	Maintenance	100	-	3.14	13.79	23.11
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	4.93	15.68	25.47
Missoula, MT	CO	Maintenance	100	-	0.11	0.34	0.55
Missoula, MT	PM ₁₀	Moderate	100	-	0.10	0.33	0.53
Modesto, CA	CO	Maintenance	100	-	0.64	2.03	3.30
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.22	0.70	1.14
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.01	0.02	0.03
Morristown, NJ	CO	Maintenance	100	-	0.07	0.22	0.35
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.04	0.14	0.22
Muncie, IN	Ozone	Maintenance	100	-	0.16	0.49	0.80
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.01	0.03	0.05
Muscatine County, IA	SO _x	Maintenance	100	-	0.03	0.08	0.14
Muskegon, MI	Ozone	Maintenance	100	-	0.22	0.69	1.12
Nashua, NH	CO	Maintenance	100	-	0.09	0.28	0.45
Nashville, TN	Ozone	Former Subpart 1	50	-	2.37	8.67	14.30
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.34	1.07	1.74
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.27	0.87	1.41
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	1.22	3.88	6.31
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.01	0.03	0.05
New York County, NY	PM ₁₀	Moderate	100	-	0.66	2.09	3.40
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	12.53	39.82	64.69
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	24.54	77.99	126.70
New York-northern New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	24.32	77.27	125.53
Nogales, AZ	PM ₁₀	Moderate	100	-	0.07	0.23	0.37

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	2.56	8.14	13.23
Ogden, UT	CO	Maintenance	100	-	0.11	0.35	0.57
Ogden, UT	PM ₁₀	Moderate	100	-	0.11	0.35	0.57
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	0.01
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.03	0.09	0.15
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.21	0.66	1.07
Owens Valley, CA	PM ₁₀	Serious	70	-	0.01	0.03	0.05
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.22	0.71	1.15
Parkersburg-Marietta, WV-OH	PM _{2,5}	Nonattainment	100	-	0.22	0.71	1.16
Payson, AZ	PM ₁₀	Maintenance	100	-	0.04	0.11	0.19
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.15	0.48	0.77
Perth Amboy, NJ	CO	Maintenance	100	-	0.17	0.53	0.87
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.55	1.74	2.83
Phildelphia-Wilmington, PA-NY-DE	PM _{2,5}	Nonattainment	100	-	-7.97	4.36	12.51
Phildelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-4.50	15.37	30.40
Phoenix, AZ	CO	Maintenance	100	-	10.85	34.48	56.02
Phoenix, AZ	PM ₁₀	Serious	70	-	11.13	35.36	57.44
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	11.15	35.45	57.58
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.02	0.05	0.08
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Pittsburgh, PA	CO	Maintenance	100	-	0.05	0.17	0.28
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	3.09	9.83	15.97
Pittsburgh-Beaver Valley, PA	PM _{2,5}	Nonattainment	100	-	2.82	8.98	14.58
Polk County, TN	SO _x	Maintenance	100	-	0.03	0.11	0.17
Polson, MT	PM ₁₀	Moderate	100	-	0.01	0.02	0.03
Portland, ME	Ozone	Maintenance	100	-	0.94	2.97	4.83
Portland, OR	CO	Maintenance	100	-	1.63	5.69	9.34
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.07	0.22	0.35
Poughkeepsie, NY	Ozone	Moderate	50	-	2.66	8.44	13.71
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.01	0.04	0.07
Providence (entire State), RI	Ozone	Moderate	50	-	1.71	5.42	8.81
Provo, UT	CO	Maintenance	100	-	0.32	1.01	1.64
Raleigh-Durham, NC	CO	Maintenance	100	-	2.46	7.81	12.69
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	3.33	10.59	17.21
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.01	0.01
Reading, PA	Ozone	Maintenance	100	-	0.54	1.72	2.79

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				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.54	1.72	2.79
Reno, NV	CO	Maintenance	100	-	0.41	1.30	2.11
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.01	0.01
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	2.02	6.41	10.42
Rillito, AZ	PM ₁₀	Moderate	100	-	0.10	0.32	0.52
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	1.39	4.42	7.18
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.41	1.29	2.10
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.14	0.45	0.73
Rochester, NY	Ozone	Former Subpart 1	50	-	2.18	6.93	11.26
Rocky Mount, NC	Ozone	Maintenance	100	-	0.29	0.91	1.47
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.19	0.61	0.99
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.01	0.02
Sacramento County, CA	PM ₁₀	Moderate	100	-	3.13	9.95	16.16
Sacramento Metro, CA	Ozone	Severe	25	-	5.81	18.46	29.99
Sacramento, CA	CO	Maintenance	100	-	3.52	11.20	18.19
Salem, OR	CO	Maintenance	100	-	0.21	0.66	1.07
Salt Lake City, UT	CO	Maintenance	100	-	0.27	1.07	1.78
Salt Lake County, UT	PM ₁₀	Moderate	100	-	1.70	5.59	9.12
Salt Lake County, UT	SO _x	Nonattainment	100	-	1.80	5.72	9.29
San Antonio, TX	Ozone	Former Subpart 1	50	-	3.33	10.59	17.20
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.78	2.49	4.05
San Diego, CA	CO	Maintenance	100	-	8.38	26.63	43.26
San Diego, CA	Ozone	Former Subpart 1	50	-	8.40	26.68	43.34
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-6.86	15.36	31.76
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-5.39	20.01	39.32
San Joaquin Valley, CA	Ozone	Extreme	10	-	8.84	29.12	47.51
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	8.86	29.19	47.61
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	8.84	29.12	47.51
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.07	0.21	0.34
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	1.09	3.47	5.63
Seattle-Tacoma, WA	CO	Maintenance	100	-	4.72	16.37	26.84
Sheboygan, WI	Ozone	Moderate	50	-	0.21	0.66	1.07
Sheridan, WY	PM ₁₀	Moderate	100	-	0.03	0.11	0.18
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00

Table B2-44
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Formaldehyde 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Somerville, NJ	CO	Maintenance	100	-	0.03	0.10	0.16
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.74	2.34	3.81
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.20	0.63	1.02
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.53	1.70	2.75
Spokane, WA	CO	Maintenance	100	-	0.53	1.68	2.72
Springfield (western MA), MA	Ozone	Moderate	50	-	1.46	4.63	7.51
Springfield, MA	CO	Maintenance	100	-	0.26	0.81	1.32
St Louis, MO	CO	Maintenance	100	-	1.21	3.83	6.22
St Louis, MO-IL	Ozone	Moderate	50	-	4.53	14.41	23.41
St. Louis, MO-IL	PM _{2,5}	Nonattainment	100	-	4.50	14.31	23.25
State College, PA	Ozone	Maintenance	100	-	0.31	0.99	1.61
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.04	0.13	0.21
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.06	0.19	0.31
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.13	0.42	0.69
Steubenville-Weirton, OH-WV	PM _{2,5}	Nonattainment	100	-	0.13	0.42	0.69
Stockton, CA	CO	Maintenance	100	-	0.99	3.16	5.13
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.79	2.51	4.08
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Terre Haute, IN	Ozone	Maintenance	100	-	0.18	0.57	0.93
Tioga County, PA	Ozone	Maintenance	100	-	0.08	0.26	0.42
Toledo, OH	Ozone	Maintenance	100	-	0.84	2.66	4.33
Toms River, NJ	CO	Maintenance	100	-	0.20	0.63	1.02
Tooele County, UT	SO _x	Nonattainment	100	-	0.18	0.56	0.91
Trenton, NJ	CO	Maintenance	100	-	0.15	0.48	0.78
Trona, CA	PM ₁₀	Moderate	100	-	0.01	0.02	0.03
Tucson, AZ	CO	Maintenance	100	-	1.86	5.90	9.58
Utah County, UT	PM ₁₀	Moderate	100	-	0.91	2.88	4.68
Vancouver, WA	CO	Maintenance	100	-	0.62	1.96	3.19
Ventura County, CA	Ozone	Serious	50	-	1.72	5.45	8.86
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.01	0.03	0.05
Vigo County, IN	SO _x	Maintenance	100	-	0.18	0.57	0.93
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.09	0.29	0.47
Warren County, NJ	SO _x	Maintenance	100	-	0.06	0.19	0.32
Warren County, PA	SO _x	Nonattainment	100	-	0.02	0.06	0.10
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.34	1.08	1.76
Washington, DC-MD-VA	CO	Maintenance	100	-	2.77	8.79	14.28

Table B2-44
Emission Changes a/ by Nonattainment Area with Alternative Standards for Light Duty Vehicles – Cumulative
Formaldehyde 2060

Nonattainment Area	Pollutant	Status <u>b/</u>	General Conformity Threshold <u>c/</u>	Emissions Changes for Proposed Alternatives (tons/year)			
				Alt 1	Alt 2	Alt 3	Alt 4
				No Action	2%/yr Cars and Trucks	Preferred	7%/yr Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	9.91	31.49	51.16
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	9.68	30.77	49.98
Washoe County, NV	PM ₁₀	Serious	70	-	0.41	1.30	2.11
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.01	0.02	0.03
Wayne County, IN	SO _x	Maintenance	100	-	0.10	0.31	0.50
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.21	0.65	1.06
Weirton, WV	PM ₁₀	Maintenance	100	-	0.01	0.03	0.05
Weirton, WV	SO _x	Maintenance	100	-	0.01	0.04	0.07
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.20	0.64	1.04
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.20	0.64	1.04
Winston-Salem, NC	CO	Maintenance	100	-	0.69	2.21	3.59
Worcester, MA	CO	Maintenance	100	-	0.41	1.31	2.13
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.16	0.51	0.82
Yakima, WA	CO	Maintenance	100	-	0.08	0.25	0.41
York, PA	Ozone	Maintenance	100	-	0.79	2.50	4.05
York, PA	PM _{2.5}	Nonattainment	100	-	0.61	1.93	3.14
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.91	2.88	4.67
Yuma, AZ	PM ₁₀	Moderate	100	-	0.36	1.15	1.86

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

APPENDIX C

Sources Identified in Scoping Comments

Table C-1. Sources Identified in Scoping Comments

Comment No. (EIS Docket No.)	Name of Commenter	Full Title and Citation of Source With a Link if Available	Issue Addressed by Source	Peer Reviewed? (Yes/No)	Included in the IPCC Fourth Assessment Report? (Yes/No)
NHTSA-2011-0056-0759.1	Union of Concerned Scientists	Union of Concerned Scientists. 2011. Translating New Auto Standards into On-Road Fuel Efficiency. Why 60 MPG Standards mean a window label fuel economy of less than 40 MPG. <i>Available at:</i> < http://www.ucsusa.org/assets/documents/clean_vehicles/Translating-Standards-into-On-Road.pdf >. (Accessed: July 26, 2010).	Discusses why CAFE compliance test results are higher than the miles per gallon (mpg) consumers see on a new vehicle's window.	No	No
NHTSA-2011-0056-0759.3	Union of Concerned Scientists	Union of Concerned Scientists. 2011. Strong Auto Standards to Save Consumers Over \$600 Billion. Americans can't afford weak fuel efficiency and global warming standards. <i>Available at:</i> < http://www.ucsusa.org/assets/documents/clean_vehicles/6-vs-3.pdf >. (Accessed: July 26, 2010).	Asserts that the 6 percent scenario delivers the greatest benefits to consumers, pollution reductions, and oil savings.	No	No
NHTSA-2011-0056-0759.4	Union of Concerned Scientists	Union of Concerned Scientists. 2011. Protecting Consumers from Pain at the Gas Pump. 60 MPG by 2025 gives consumers the best protection against rising gas prices. March. <i>Available at:</i> < http://www.ucsusa.org/assets/documents/clean_vehicles/protection-against-rising-gas-prices-ucs-1.pdf >. (Accessed: July 26, 2010).	Emphasizes how setting strong vehicle fuel efficiency and global warming pollution standards through 2025 protects against rising gas prices and helps reduce dependence on oil, increase energy security, and address climate change.	No	No
NHTSA-2011-0056-0775.1	Center for Biological Diversity	Tirado, M.C., R. Clarke, L.A. Jaykus, A. McQuatters-Gollop, J.M. Frank. 2010. Climate Change and Food Safety: A Review. 2010. <i>Food Research International</i> 43:1745-1765.	Reviews potential impacts of predicted changes in climate on food contamination and safety, and identifies adaptation strategies and research priorities to address the food safety implications of climate change.	Yes	No

Table C-1. Sources Identified in Scoping Comments (continued)

Comment No. (EIS Docket No.)	Name of Commenter	Full Title and Citation of Source With a Link if Available	Issue Addressed by Source	Peer Reviewed? (Yes/No)	Included in the IPCC Fourth Assessment Report? (Yes/No)
NHTSA-2011-0056-0775.3	Center for Biological Diversity	Pfeffer, W. T., J. T. Harper, S. O'Neel. 2008. Kinematic Constraints on Glacier Contributions to 21st-Century Sea Level Rise. 5 September. <i>Science</i> 321(5894):1340-1343. doi: 10.1126/science.1159099.	Discusses glaciological conditions required for large sea-level rise to occur by 2100; concludes that increases in excess of 2 meters are physically untenable.	Yes	No
NHTSA-2011-0056-0775.4	Center for Biological Diversity	Mooney, H., A. Larigauderie, M. Cesario, T. Elmquist, O. Hoegh-Guldberg, S. Lavorel, G. M. Mace, M. Palmer, R. Scholes and T. Yahara. 2009. Biodiversity, Climate Change, and Ecosystem Services. <i>Current Opinion in Environmental Sustainability</i> 1(1):46-54. doi:10.1016/j.cosust.2009.07.006.	Discusses impacts from climate change to ecosystem services and biodiversity, the interlink between the two, and consequences of disruption of ecosystem services and loss of biodiversity.	Yes	No
NHTSA-2011-0056-0775.5	Center for Biological Diversity	Dawson, T.P., S.T. Jackson, J.I. House, I.C. Prentice, G.M. Mace. 2011. Beyond Predictions: Biodiversity Conservation in a Changing Climate. April 1. <i>Science</i> . 332(6025):53-58. doi: 10.1126/science.1200303.	Reviews different approaches to anticipate and manage biodiversity consequences of climate change while considering evidence from paleoecological observations, and recent phenological and microevolutionary responses, experiments, and computational models. Presents a framework that uses information from different sources to identify vulnerability and to support the design of conservation responses.	Yes	No

Table C-1. Sources Identified in Scoping Comments (continued)

Comment No. (EIS Docket No.)	Name of Commenter	Full Title and Citation of Source With a Link if Available	Issue Addressed by Source	Peer Reviewed? (Yes/No)	Included in the IPCC Fourth Assessment Report? (Yes/No)
NHTSA-2011-0056-0775.6	Center for Biological Diversity	Hansen, J., M. Sato, R. Ruedy, K. Lo, D.W. Lea, and M. Medina-Elizade. 2006. Global Temperature Change. September 26. Proceedings of the National Academy of Sciences. 103(39):14288-14293. doi: 10.1073/pnas.0606291103. Available at: < http://www.pnas.org/content/103/39/14288.full.pdf+html >. (Accessed: July 26, 2010).	Discusses the increase in global surface temperatures; concludes that global warming of more than 1 degree Celsius °C (1.8 Fahrenheit [°F]), in relation to 2000 will constitute “dangerous” climate change as judged from likely effects on sea level and extermination of species.	Yes	Yes
NHTSA-2011-0056-0775.7	Center for Biological Diversity	Hoegh-Guldberg, O., P. J. Mumby, A. J. Hooten, R. S. Steneck, P. Greenfield, E. Gomez, C. D. Harvell, P. F. Sale, A. J. Edwards, K. Caldeira, N. Knowlton, C. M. Eakin, R. Iglesias-Prieto, N. Muthiga, R. H. Bradbury, A. Dubi, M. E. Hatzioios. 2007. Coral Reefs Under Rapid Climate Change and Ocean Acidification. 14 December. <i>Science</i> 318(5857):1737-1742. doi: 10.1126/science.1152509.	Presents future scenarios for coral reefs that predict increasingly serious consequences for reef-associated fisheries, tourism, coastal protection, and people from rapid climate change and ocean acidification.	Yes	No
NHTSA-2011-0056-0775.8	Center for Biological Diversity	Overpeck, J. and B. Udall. 2010. Dry Times Ahead. 25 June. <i>Science</i> 328(5986):1642-1643. doi: 10.1126/science.1186591.	Discusses signs of climate change observed in western North America.	Yes	No
NHTSA-2011-0056-0775.9	Center for Biological Diversity	Silverman, J., B. Lazar, L. Cao, K. Caldeira, and J. Erez. 2009. Coral Reefs may start dissolving when atmospheric CO ₂ Doubles. 13 March. <i>Geophysical Research Letters</i> 36:L05606. doi: 10.1029/2008GL036282.	Provides a global estimate of the decline in calcification of coral reefs as a result of increases in sea surface temperature and partial pressure of carbon dioxide (CO ₂).	Yes	No

Table C-1. Sources Identified in Scoping Comments (continued)

Comment No. (EIS Docket No.)	Name of Commenter	Full Title and Citation of Source With a Link if Available	Issue Addressed by Source	Peer Reviewed? (Yes/No)	Included in the IPCC Fourth Assessment Report? (Yes/No)
NHTSA-2011-0056-0775.10	Center for Biological Diversity	Milne, G.A., W.R. Gehrels, C.W. Hughes and M.E. Tamisiea. 2009. Identifying the causes of sea level change. July. <i>Nature Geoscience</i> . 2:471-478. doi: 10.1038/ngeo544.	Reviews recent insights into past sea-level changes on decadal to millennial timescales and discusses how they could help constrain future changes. Concludes that improving estimates of the spatial variability in future sea-level change is an important research target in coming years.	Yes	No
NHTSA-2011-0056-0780.1 through NHTSA-2011-0056-0780.15	Center for Biological Diversity	Meehl, G.A., T.F. Stocker, W.D. Collins, P. Friedlingstein, A.T. Gaye, J.M. Gregory, A. Kitoh, R. Knutti, J.M. Murphy, A. Noda, S.C.B. Raper, I.G. Watterson, A.J. Weaver and Z.-C. Zhao, 2007: Global Climate Projections. In: <i>Climate Change 2007: The Physical Science Basis. Contribution of Working Group I to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change</i> [Solomon, S., D. Qin, M. Manning, Z. Chen, M. Marquis, K.B. Averyt, M. Tignor and H.L. Miller (eds.)]. Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA.	Assesses future climate change consequences based on a hierarchy of models, ranging from Atmosphere- Ocean General Circulation Models (AOGCMs) and Earth System Models of Intermediate Complexity (EMICs) to Simple Climate Models (SCMs); assesses non-mitigated projections of future climate change at scales from global to hundreds of kilometers.	Yes	Yes

Table C-1. Sources Identified in Scoping Comments (continued)

Comment No. (EIS Docket No.)	Name of Commenter	Full Title and Citation of Source With a Link if Available	Issue Addressed by Source	Peer Reviewed? (Yes/No)	Included in the IPCC Fourth Assessment Report? (Yes/No)
NHTSA-2011-0056-0827.3	Environmental Defense Fund	Environmental Defense Fund. 2009. Letter from the New York University School of Law- Institute for Policy Integrity, Environmental Defense Fund to Senior U.S. Government Officials regarding Federal Interagency Review on the Social Cost of Carbon. September 11.	Letter from New York University School of Law-Institute for Policy Integrity, EDF to Senior U.S. Government officials providing comments on “Federal Interagency Review on the Social Cost of Carbon.”	No	No
NHTSA-2011-0056-0827.4	Environmental Defense Fund	111th Congress. 2010. Excerpt from Practical Energy and Climate Plan Act of 2010, S. 3464, 111th Cong. Section 101(a)(4) 2010. Sec. 101. Fuel Efficiency Standards.	Addresses fuel efficiency standards, 2010.	No	No
NHTSA-2011-0056-0782.1	Natural Resources Defense Council	The White House Office of the Press Secretary. 2010. Memorandum for the Secretary of Transportation, The Secretary of Energy, The Administrator of the Environmental Protection Agency, and the Administrator of the National Highway Traffic Safety Administration. Improving Energy Security, American Competitiveness and Job Creation, and Environmental Protection through a Transformation of our Nation's Fleet of Cars and Trucks (May 21, 2010). Available at: < http://www.gpo.gov/fdsys/pkg/FR-2010-05-26/pdf/2010-12757.pdf >. (Accessed: July 26, 2010).	Addresses fuel efficiency standards for passenger cars and light trucks for model years (MYs) 2017–2025.	No	No

Table C-1. Sources Identified in Scoping Comments (continued)

Comment No. (EIS Docket No.)	Name of Commenter	Full Title and Citation of Source With a Link if Available	Issue Addressed by Source	Peer Reviewed? (Yes/No)	Included in the IPCC Fourth Assessment Report? (Yes/No)
NHTSA-2011-0056-0782.1	Natural Resources Defense Council	NHTSA (National Highway Traffic Safety Administration). 2010. Interim Joint Technical Assessment Report: Light-Duty Vehicle Greenhouse Gas Emission Standards and Corporate Average Fuel Economy Standards for Model Years 2017-2025. September, 2010. <i>Available at:</i> < http://www.epa.gov/otaq/climate/regulations/ldv-ghg-tar.pdf >. (Accessed: July 26, 2010).	Argues that successful compliance with standards “does not depend on the success of a specific technology, even at the 6% improvement level.”	No	No
NHTSA-2011-0056-0782.1	Natural Resources Defense Council	NAS (National Academy of Sciences). 2011. America’s Climate Choices: Final Report. National Academies Press: Washington, D.C. <i>Available at:</i> < http://www.nap.edu/catalog.php?record_id=12781 >. (Accessed: July 26, 2010).	Argues that the United States is already suffering from observable effects of climate change.	Yes	No
NHTSA-2011-0056-0782.1	Natural Resources Defense Council	DeCicco, J.M. 2010. A Fuel Efficiency Horizon for U.S. Automobiles. Report prepared for the Energy Foundation. September 2010. 65 pgs. <i>Available at:</i> < http://energy.umich.edu/info/pdfs/Fuel%20Efficiency%20Horizon%20FINAL.pdf >. (Accessed: July 26, 2010).	States that “new fleet fuel efficiency increased at an average rate of 4.2% per year relative to a new fleet with 1977 size and power-to-weight ratio characteristics.”	Yes	No

Table C-1. Sources Identified in Scoping Comments (continued)

Comment No. (EIS Docket No.)	Name of Commenter	Full Title and Citation of Source With a Link if Available	Issue Addressed by Source	Peer Reviewed? (Yes/No)	Included in the IPCC Fourth Assessment Report? (Yes/No)
NHTSA-2011-0056-0782.1	Natural Resources Defense Council	NHTSA (National Highway Traffic Safety Administration). 2011. Notice of Intent to Prepare an Environmental Impact Statement for New Corporate Average Fuel Economy Standards. 76 FR 26996 (May 10, 2011). Available at: < http://www.regulations.gov/#documentDetail;D=NHTSA-2011-0056-0001 >. (Accessed: July 26, 2010).	States that NHTSA cannot adopt a no action alternative.	No	No
NHTSA-2011-0056-0782.1	Natural Resources Defense Council	NHTSA. 2008. Final Environmental Impact Statement Corporate Average Fuel Economy Standards, Passenger Cars and Light Trucks, Model Years 2011-2015. pp. 10-83. Available at: < http://www.nhtsa.gov/DOT/NHTSA/Rulemaking/Rules/Associated%20Files/CAFE_2008_PRIA.pdf >. (Accessed: July 26, 2010).	Quotes the MY 2011–2015 Corporate Average Fuel Economy (CAFE) standards Final EIS and argues that “individual nations must act in light of the global value of avoided climate change impacts.”	No	No
NHTSA-2011-0056-0782.1	Natural Resources Defense Council	Stepp, M., J.J. Winebrake, J.S. Hawker, and S.J. Skerlos. 2009. Greenhouse Gas Mitigation Policies and the Transportation Sector: The Role of Feedback Effects on Policy Effectiveness, <i>Energy Policy</i> 37(7):2774–2787. Available at: < http://www.sciencedirect.com/science/article/pii/S0301421509001621 >. (Accessed: July 26, 2010).	Examines and applies systems dynamics tools (in particular causal loop diagrams) to help identify and understand the role of feedback effects on transportation-related greenhouse gas (GHG) reduction policies.	Yes	No

Table C-1. Sources Identified in Scoping Comments (continued)

Comment No. (EIS Docket No.)	Name of Commenter	Full Title and Citation of Source With a Link if Available	Issue Addressed by Source	Peer Reviewed? (Yes/No)	Included in the IPCC Fourth Assessment Report? (Yes/No)
NHTSA-2011-0056-0782.1	Natural Resources Defense Council	Jackson, S. 2009. Parallel Pursuit of Near-Term and Long-Term Climate Mitigation. <i>Science</i> 326(5952): 526-527. doi: 10.1126/science.1177042. Available at: < http://www.sciencemag.org/content/326/5952/526.full.pdf?sid=aaaa544e-ca7a-4f55-b3ee-e3bc862d65f9 >. (Accessed: July 26, 2010).	Argues that although reduction of CO ₂ is the “lynchpin of any long-term climate stabilization strategy,” focusing only on CO ₂ in the near term would prove ineffective without consideration and attention of other pollutants with shorter life spans.	Yes	No
NHTSA-2011-0056-0782.1	Natural Resources Defense Council	Unger, N., D. Shindell, and J.S. Wang. 2009. Climate Forcing by the On-Road Transportation and Power Generation Sectors. <i>Atmospheric Environment</i> . 43(19): 3077-3085. doi: 10.1016/j.atmosenv.2009.03.021. Available at: < http://www.sciencedirect.com/science/article/pii/S1352231009002362 >. (Accessed: July 26, 2010).	Examines a multi-pollutant approach and applies a global atmospheric composition-climate model to quantify the total radiative forces from the global and U.S. onroad transportation and power generation sectors. The approach considers non-CO ₂ air pollutants and their impacts.	Yes	No
NHTSA-2011-0056-0782.1	Natural Resources Defense Council	Perera, E.M. and Sanford, T. (Union of Concerned Scientists). 2011. Climate Change and Your Health: Rising Temperatures, Worsening Ozone Pollution. Available at: < http://www.ucsusa.org/global_warming/science_and_impacts/impacts/climate-change-and-ozone-pollution.html?utm_source=SP&utm_medium=more&utm_campaign=SP-more-ozone-report-06-02-11 >. (Accessed: July 26, 2010).	Examines projections of future climate-induced temperature increases and how these affect and increase ozone pollution resulting in public health consequences. The report examines projections for health consequences expected in 2020 and 2050, and projected economic costs of health impacts in 2020.	No	No

Table C-1. Sources Identified in Scoping Comments (continued)

Comment No. (EIS Docket No.)	Name of Commenter	Full Title and Citation of Source With a Link if Available	Issue Addressed by Source	Peer Reviewed? (Yes/No)	Included in the IPCC Fourth Assessment Report? (Yes/No)
NHTSA-2011-0056-0782.1	Natural Resources Defense Council	Pereira, H. M., P.W. Leadley, V. Proença, R. Alkemade, J.P.W. Scharlemann, J.F. Fernandez-Manjarrés, M.B. Araújo, P. Balvanera, R. Biggs, W.W.L. Cheung, L. Chini, H.D. Cooper, E.L. Gilman, S. Guénette, G.C. Hurtt, H.P. Huntington, G.M. Mace, T. Oberdorff, C. Revenga, P. Rodrigues, R.J. Scholes, U.R. Sumaila, M. Walpole. 2010. Scenarios for Global Biodiversity in the 21st Century. <i>Science</i> 330(6010):1496 -1501. doi: 10.1126/science.1196624. Available at: < http://www.sciencemag.org/content/330/6010/1496.full.html >. (Accessed: July 26, 2010).	Analyzes global terrestrial, freshwater, and marine biodiversity scenarios using a range of measures, including extinctions, changes in species abundance, habitat loss, and distribution shifts, and compares model projections to observations.	Yes	No
NHTSA-2011-0056-0782.1	Natural Resources Defense Council	Warren, R., J. Price, A. Fischlin, S. de la Nava Santos, G. Midgley. 2010. Increasing Impacts of Climate Change Upon Ecosystems With Increasing Global Mean Temperature Rise, <i>Climatic Change</i> 106(2):141-177. doi: 10.1007/s10584-010-9923-5. Available at: < http://www.sysecol2.ethz.ch/publications/pdfs/Wa152.pdf >. (Accessed: July 26, 2010).	Reports the meta-analysis to integrate peer-reviewed studies that provide quantified estimates of future projected ecosystem changes related to quantified projected local or global climate changes.	Yes	No

Table C-1. Sources Identified in Scoping Comments (continued)

Comment No. (EIS Docket No.)	Name of Commenter	Full Title and Citation of Source With a Link if Available	Issue Addressed by Source	Peer Reviewed? (Yes/No)	Included in the IPCC Fourth Assessment Report? (Yes/No)
NHTSA-2011-0056-0782.1	Natural Resources Defense Council	Thomas, C.D., A. Cameron, R.E. Green, M. Bakkenes, L.J. Beaumont, Y.C. Collingham, B.F.N. Erasmus, et al. Extinction Risk From Climate Change. <i>Nature</i> 427:145-148. doi: 10.1038/nature02121. Available at: < http://www.nature.com/nature/journal/v427/n6970/abs/nature02121.html >. (Accessed: July 26, 2010).	Assesses extinction risks for sample regions that cover some 20 percent of Earth's terrestrial surface, and explores three approaches in which the estimated probability of extinction shows a power-law relationship with geographical range size. The report predicts on the basis of mid-range climate-warming scenarios for 2050, that 15–37 percent of species in the sample of regions and taxa will be “committed to extinction.”	Yes	No
NHTSA-2011-0056-0782.1	Natural Resources Defense Council	Preston, B.L. 2006. Risk-based Reanalysis of the Effects of Climate Change on US Cold-Water Habitat. <i>Climatic Change</i> 76(1-2):91–119. doi: 10.1007/s10584-005-9014-1. Available at: < http://www.springerlink.com/index/10.1007/s10584-005-9014-1 >. (Accessed: July 26, 2010).	Reports results of an assessment of the effects of future climate change on U.S. cold-water habitat. Integrates damage functions for the loss of current cold-water fish habitat in the United States and the Rocky Mountain region, with probability distributions for U.S. June/July/August temperature change using Monte Carlo techniques.	Yes	No

Table C-1. Sources Identified in Scoping Comments (continued)

Comment No. (EIS Docket No.)	Name of Commenter	Full Title and Citation of Source With a Link if Available	Issue Addressed by Source	Peer Reviewed? (Yes/No)	Included in the IPCC Fourth Assessment Report? (Yes/No)
NHTSA-2011-0056-0782.1	Natural Resources Defense Council	Sheppard, C.R.C. Predicted Recurrences of Mass Coral Mortality in the Indian Ocean. <i>Nature</i> 425:294–297. doi: 10.1038/nature01987. Available at: < http://www.nature.com/nature/journal/v425/n6955/full/nature01987.html >. (Accessed: July 26, 2010).	Scales forecast sea surface temperatures (SSTs) at 33 Indian Ocean sites where most shallow corals died in 1998 to identify geographical patterns in the timing of probable repeat occurrences. The predicted results forecast that reefs 10–15° south will be affected every 5 years by 2010–2025. North and south from this location, dates recede in a pattern not directly related to present SSTs; paradoxically, some of the warmest sites could be affected last.	Yes	No
NHTSA-2011-0056-0782.1	Natural Resources Defense Council	Patz, J.A., D. Campbell-Lendrum, T. Holloway, and J.A. Foley. Impact of Regional Climate Change on Human Health, <i>Nature</i> 438:310-317. doi: 10.1038/nature04188. Available at: < http://www.nature.com/nature/journal/v438/n7066/abs/nature04188.html >. (Accessed: July 26, 2010).	Reviews evidence that climate–health relationships pose increasing health risks under future projections of climate change, and that the warming trend over recent decades has already contributed to increased morbidity and mortality in many regions of the world.	Yes	No
NHTSA-2011-0056-0782.1	Natural Resources Defense Council	Barnett, T.P. and D.W. Pierce. 2008. When Will Lake Mead Go Dry? <i>Water Resources Research</i> . 44:W03201. doi: 10.1029/2007WR006704. Available at: < http://www.agu.org/pubs/crossref/2008/2007WR006704.shtm >. (Accessed: July 26, 2010).	Reports a water budget analysis, which shows that under current conditions there is a 10 percent chance that live storage in lakes Mead and Powell will be gone by about 2013 and a 50 percent chance that it will be gone by 2021 if no changes in water allocation from the Colorado River system are made.	Yes	No

Table C-1. Sources Identified in Scoping Comments (continued)

Comment No. (EIS Docket No.)	Name of Commenter	Full Title and Citation of Source With a Link if Available	Issue Addressed by Source	Peer Reviewed? (Yes/No)	Included in the IPCC Fourth Assessment Report? (Yes/No)
NHTSA-2011-0056-0765.1	Sierra Club, Safe Climate Campaign, and Environment America	NHTSA (National Highway Traffic Safety Administration). 2011. Notice of Intent to Prepare an Environmental Impact Statement for New Corporate Average Fuel Economy Standards. 76 FR 26996 (May 10, 2011). Available at: < http://www.regulations.gov/#documentDetail;D=NHTSA-2011-0056-0001 >. (Accessed: July 26, 2010).	States that NHTSA cannot adopt a no action alternative.	No	No
NHTSA-2011-0056-0765.1	Sierra Club, Safe Climate Campaign, and Environment America	Go60mpg. 2010. The Road Ahead: The Benefits of Strong Fuel Efficiency and Pollution Standards for New Cars and Trucks. Available at: < http://www.go60mpg.org/sites/default/themes/go60mpg/pdf/The-Road-Ahead.pdf >. (Accessed: July 26, 2010).	Asserts that a fuel economy of 60 mpg is technologically feasible and sufficient to set the United States on a path toward GHG emissions reduction.	No	No
NHTSA-2011-0056-0765.1	Sierra Club, Safe Climate Campaign, and Environment America	Union of Concerned Scientists. 2011. "Strong Auto Standards to Save Consumers over \$600 Billion." Available at: < http://www.ucsusa.org/assets/documents/clean_vehicles/6-vs-3.pdf >. (Accessed: July 26, 2010).	Asserts that a fuel economy of 60 mpg is technologically feasible and sufficient to set the U.S. on a path toward GHG emissions reduction.	No	No
NHTSA-2011-0056-0765.1	Sierra Club, Safe Climate Campaign, and Environment America	NHTSA. 2009. Proposed Rulemaking to Establish Light-Duty Vehicle Greenhouse Gas Emission Standards and Corporate Average Fuel Economy Standards; Proposed Rule, 74 FR 49454. (Sept. 28, 2009). Available at: < http://edocket.access.gpo.gov/2009/pdf/E9-22516.pdf >. (Accessed: July 26, 2010).	Joint proposal to establish a National Program consisting of new standards for light-duty vehicles that will reduce GHG emissions and improve fuel economy.	No	No

Table C-1. Sources Identified in Scoping Comments (continued)

Comment No. (EIS Docket No.)	Name of Commenter	Full Title and Citation of Source With a Link if Available	Issue Addressed by Source	Peer Reviewed? (Yes/No)	Included in the IPCC Fourth Assessment Report? (Yes/No)
NHTSA-2011-0056-0765.1	Sierra Club, Safe Climate Campaign, and Environment America	IWGSCC (Interagency Working Group on Social Cost of Carbon). 2010. Technical Support Document: Social Cost of Carbon for Regulatory Impact Analysis Under Executive Order 12866. United States Government. February 2010. <i>Available at:</i> < http://www.epa.gov/otaq/climate/regulations/scc-tsd.pdf >. (Accessed: July 26, 2010).	Summarizes the interagency process that developed social cost of carbon (SCC) estimates. Develops a range of SCC values using a set of input assumptions grounded in the existing scientific and economic literatures.	No	No
NHTSA-2011-0056-0765.1	Sierra Club, Safe Climate Campaign, and Environment America	Ackerman, F. and E. A. Stanton. 2010. The Social Cost of Carbon: A Report for the Economics for Equity and the Environment Network. April 2010. <i>Available at:</i> < http://www.e3network.org/papers/SocialCostOfCarbon_SEI_20100401.pdf >. (Accessed: July 26, 2010).	Questions the economic models on which the United States sometimes relies, as well as the resulting calculations of the impact of carbon on the climate and on the Nation's economic future.	No	No
NHTSA-2011-0056-0765.1	Sierra Club, Safe Climate Campaign, and Environment America	Stern, N. 2006. Stern Review on the Economics of Climate Change Executive Summary. Cambridge University Press: Cambridge, United Kingdom. <i>Available at:</i> < http://www.hm-treasury.gov.uk/d/Executive_Summary.pdf >. (Accessed: July 26, 2010).	Assesses the scientific evidence that climate change presents very serious global risks, and demands an urgent global response. The report also builds an understanding of the economics of climate change.	Yes	Yes

Table C-1. Sources Identified in Scoping Comments (continued)

Comment No. (EIS Docket No.)	Name of Commenter	Full Title and Citation of Source With a Link if Available	Issue Addressed by Source	Peer Reviewed? (Yes/No)	Included in the IPCC Fourth Assessment Report? (Yes/No)
NHTSA-2011-0056-0765.1	Sierra Club, Safe Climate Campaign, and Environment America	Azar, C. and T. Sterner.1996. Discounting and Distributional Considerations in the Context of Global Warming. <i>Ecological Economics</i> . 19(2): 169-184. doi: 10.1016/0921-8009(96)00065-1. Available at: < http://www.sciencedirect.com/science/article/pii/0921800996000651 > . (Accessed: July 26, 2010).	Reviews economics of global warming with special emphasis on how the cost depends on the discount rate and on how costs in poor and rich regions are aggregated into a global cost estimate.	Yes	No
NHTSA-2011-0056-0765.1	Sierra Club, Safe Climate Campaign, and Environment America	IPCC (Intergovernmental Panel on Climate Change). Impacts, Adaptation and Vulnerability, Contribution of Working Group II to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change. [Parry M.L., O.F. Canziani, J.P. Palutikof , P.J. van der Linden, and C.E. Hanson (Eds.)], Cambridge University Press: Cambridge, United Kingdom. Available at: < http://www.ipcc.ch/publications_and_data/publications_ipcc_fourth_assessment_report_wg2_report_impacts_adaptation_and_vulnerability.htm >. (Accessed: July 26, 2010).	Discusses the current scientific understanding of the impacts of climate change on natural, managed, and human systems, the capacity of these systems to adapt and their vulnerability. The document builds on past IPCC assessments and incorporates new knowledge gained since the Third Assessment.	Yes	Yes
NHTSA-2011-0056-0765.1	Sierra Club, Safe Climate Campaign, and Environment America	EIA (U.S. Energy Information Administration). 2011. Short Term Energy Outlook. March 2011. Available at: < http://www.eia.gov/emeu/steo/pub/archives/mar11.pdf >. (Accessed: July 26, 2010).	States that by February 8, 2011 – before current events in the Middle East – EIA had revised its prediction of the average regular-grade motor gasoline retail prices to \$3.15 per gallon in 2011.	No	No

Table C-1. Sources Identified in Scoping Comments (continued)

Comment No. (EIS Docket No.)	Name of Commenter	Full Title and Citation of Source With a Link if Available	Issue Addressed by Source	Peer Reviewed? (Yes/No)	Included in the IPCC Fourth Assessment Report? (Yes/No)
NHTSA-2011-0056-0765.1	Sierra Club, Safe Climate Campaign, and Environment America	Keane, A. 2011. Gas at \$4 Strengthens Case for Mileage Rules Fought by Ford, GM. Bloomberg Government. <i>Available at:</i> < http://about.bgov.com/2011/06/06/top-bloomberg-government-stories-48/ >. (Accessed: July 26, 2010).	Comment states that “fuel prices are going to continue to trend up,” and, accordingly, that setting more stringent fuel economy standards is not merely “a case of reflexive reaction as gas prices go up.”	No	No
NHTSA-2011-0056-0765.1	Sierra Club, Safe Climate Campaign, and Environment America	Kahane, C.J. 2003. Vehicle Weight, Fatality Risk and Crash Compatibility of Model Year 1991-99 Passenger Cars and Light Trucks. DOT HS 809 662. U.S. Department of Transportation: Washington, D.C. <i>Available at:</i> < http://www.nhtsa.dot.gov/cars/rules/regrev/evaluate/pdf/809662.pdf >. (Accessed: July 26, 2010).	Analyzes logistic regression of fatalities per billion miles in two-vehicle collisions and show that MY 1991–99 LTVs (light trucks and vans) were more aggressive than MY 1991–99 cars when they struck other vehicles. The analyses show correlations between occupants' fatality risk in the struck car and the frontal height-of-force and rigidity of the striking LTV.	No	No
NHTSA-2011-0056-0765.1	Sierra Club, Safe Climate Campaign, and Environment America	Perera, E.M. and Sanford, T. (Union of Concerned Scientists). 2011. Climate Change and Your Health: Rising Temperatures, Worsening Ozone Pollution. <i>Available at:</i> < http://www.ucsusa.org/global_warming/science_and_impacts/impacts/climate-change-and-ozone-pollution.html?utm_source=SP&utm_medium=more&utm_campaign=SP-more-ozone-report-06-02-11 >. (Accessed: July 26, 2010).	Examines projections of future climate-induced temperature increases and how these affect and increase ozone pollution, resulting in public health consequences. The report examines projections for health consequences expected in 2020 and 2050, and projected economic costs of health impacts in 2020.	No	No

Table C-1. Sources Identified in Scoping Comments (continued)

Comment No. (EIS Docket No.)	Name of Commenter	Full Title and Citation of Source With a Link if Available	Issue Addressed by Source	Peer Reviewed? (Yes/No)	Included in the IPCC Fourth Assessment Report? (Yes/No)
NHTSA-2011-0056-0765.1, CBD MDHD FEIS comments	Sierra Club, Safe Climate Campaign, and Environment America; Center for Biological Diversity	Hansen, J., M. Sato, P. Kharecha, D. Beerling, R. Berner, V. Masson-Delmotte, M. Pagani, M. Raymo, D. L. Royer, and J. C. Zachos. 2008. Target atmospheric CO ₂ : Where Should Humanity Aim? <i>Open Atmospheric Science Journal</i> 2:217-231. Available at: < http://arxiv.org/ftp/arxiv/papers/0804/0804.1126.pdf >. (Accessed: July 26, 2010).	Discusses reduction in emissions and tipping points.	Yes	No
NHTSA-2011-0056-0765.1	Sierra Club, Safe Climate Campaign, and Environment America	Meehl, G.A., T.F. Stocker, W.D. Collins, P. Friedlingstein, A.T. Gaye, J.M. Gregory, A. Kitoh, R. Knutti, J.M. Murphy, A. Noda, S.C.B. Raper, I.G. Watterson, A.J. Weaver, and Z.-C. Zhao. 2007b. Global Climate Projections. pgs. 747-846 in: <i>Climate Change 2007: The Physical Science Basis. Contribution of Working Group I to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change</i> [Solomon, S., D. Qin, M. Manning, Z. Chen, M. Marquis, K.B. Averyt, M. Tignor and H.L. Miller (Eds.)] Cambridge University Press, Cambridge, United Kingdom and New York, New York. 996 pgs. Available at: < http://www.ipcc.ch/publications_and_data/ar4/wg1/en/contents.html >. (Accessed: July 26, 2010).	Assesses future climate change consequences based on a hierarchy of models, ranging from AOGCMs and EMICs to SCMs; assesses non-mitigated projections of future climate change at scales from global to hundreds of kilometers.	Yes	Yes

Table C-1. Sources Identified in Scoping Comments (continued)

Comment No. (EIS Docket No.)	Name of Commenter	Full Title and Citation of Source With a Link if Available	Issue Addressed by Source	Peer Reviewed? (Yes/No)	Included in the IPCC Fourth Assessment Report? (Yes/No)
NHTSA-2011-0056-0765.1	Sierra Club, Safe Climate Campaign, and Environment America	Lenton, T. M., H. Held, E. Kriegler, J.W. Hall, W. Lucht, S. Rahmstorf, and H.J. Schellnhuber. 2007. Tipping Elements in the Earth's Climate System. <i>Proceedings of the National Academy of Sciences of the United States of America</i> 105(6):1786-1793. Available at: < http://www.pnas.org/content/105/6/1786.full.pdf+html >. (Accessed: July 26, 2010).	Evaluates potential tipping elements in the climate system under anthropogenic forcing, drawing on the pertinent literature and a recent international workshop to compile a short list. Assesses where their tipping points lie. Explains how early warning systems could be established to detect the proximity of some tipping points.	Yes	No
NHTSA-2011-0056-0765.1	Sierra Club, Safe Climate Campaign, and Environment America	NHTSA. 2010. Notice of Intent to Conduct Joint Rulemaking for 2017 and Later Model Year Light Duty Vehicle GHG Emissions and CAFE Standards. 75 FR 62739 (October 13, 2010). Available at: < http://www.nhtsa.gov/staticfiles/rulemaking/pdf/cape/2017+CAFE_and_GHG_Notice_of_Intent.pdf >. (Accessed: July 26, 2010).	Proposes a joint rulemaking for 2017 and later model year light-duty vehicle GHG emissions and CAFE standards.	No	No
NHTSA-2011-0056-0765.1	Sierra Club, Safe Climate Campaign, and Environment America	The White House Office of the Press Secretary. 2011. Remarks by the President on America's Energy Security (March 30, 2011). Available at: < http://www.whitehouse.gov/the-press-office/2011/03/30/remarks-president-americas-energy-security >. (Accessed: July 26, 2010).	Quotes President Obama, who stated that, "when you look at the long-term trends, there are going to be more ups in gas prices than downs in gas prices."	No	No

Table C-1. Sources Identified in Scoping Comments (continued)

Comment No. (EIS Docket No.)	Name of Commenter	Full Title and Citation of Source With a Link if Available	Issue Addressed by Source	Peer Reviewed? (Yes/No)	Included in the IPCC Fourth Assessment Report? (Yes/No)
NHTSA-2011-0056-0765.1	Sierra Club, Safe Climate Campaign, and Environment America	EIA (U.S. Energy Information Administration). 2011. Short Term Energy Outlook. February 2011. <i>Available at:</i> < http://www.eia.gov/emeu/steo/pub/archives/feb11.pdf >. (Accessed: July 26, 2010).	Asserts that there are market uncertainties that could lead to higher oil and gas prices, which include continuing unrest in Libya and other North African and Middle Eastern countries.	No	No
NHTSA-2011-0056-0765.1	Sierra Club, Safe Climate Campaign, and Environment America	New York Times. 2011. U.S. Economy Is Better Prepared for Rising Gas Costs. March 8, 2011. <i>Available at:</i> < http://www.nytimes.com/2011/03/09/business/economy/09gasoline.html?_r=1&scp=1&sq=u.s%20economy%20is%20better%20prepared&st=cse >. (Accessed: July 26, 2010).	Article states, "Gasoline prices have risen by nearly a third in the last year, and oil costs more than \$100 a barrel for the first time in more than two years, driven by fears of extended Middle East supply disruptions and increased demand from an improving global economy."	No	No
NHTSA-2011-0056-0765.1	Sierra Club, Safe Climate Campaign, and Environment America	EIA (U.S. Energy Information Administration). 2011. Short Term Energy Outlook. March 2011. <i>Available at:</i> < http://www.eia.gov/emeu/steo/pub/archives/mar11.pdf >. (Accessed: July 26, 2010).	Comment states that "in March 2011 – just one month after its February 8, 2011 revisions – EIA increased its estimate to project an average gasoline price of \$3.56 per gallon in 2011, up 77 cents per gallon from the numbers used in the NOI [Notice of Intent] and up about 40 cents from the projected 2011 price from January 2011."	No	No
NHTSA-2011-0056-0765.1	Sierra Club, Safe Climate Campaign, and Environment America	EIA. Short-Term Energy Outlook. April 2011. <i>Available at:</i> < http://www.eia.gov/emeu/steo/pub/archives/apr11.pdf >. (Accessed: July 26, 2010).	Predicts that oil prices will average \$106 in 2011 and that gas prices will be more than a dollar higher this summer than last (\$3.86 per gallon in the summer driving season versus \$2.78 per gallon in the same period of 2010).	No	No

Table C-1. Sources Identified in Scoping Comments (continued)

Comment No. (EIS Docket No.)	Name of Commenter	Full Title and Citation of Source With a Link if Available	Issue Addressed by Source	Peer Reviewed? (Yes/No)	Included in the IPCC Fourth Assessment Report? (Yes/No)
NHTSA-2011-0056-0765.1	Sierra Club, Safe Climate Campaign, and Environment America	EIA (Energy Information Administration). 2010. Annual Energy Outlook 2010: With Projections to 2035. DOE/EIA-0383. U.S. Department of Energy: Washington, D.C. April. Page 82. <i>Available at:</i> < http://www.eia.doe.gov/oiaf/aeo/pdf/0383%282009%29.pdf >. (Accessed: July 26, 2010).	Asserts that there is now a significant chance that gas prices in summer 2011 could reach a level not anticipated until 2020 or later in its 2010 Annual Energy Outlook.	No	No
NHTSA-2011-0056-0765.1	Sierra Club, Safe Climate Campaign, and Environment America	EIA. 2011. Annual Energy Outlook 2011. Early Release Overview. Figure 4: World Oil Prices 1980-2035. DOE/EIA-0383. U.S. Department of Energy: Washington, D.C. <i>Available at:</i> < http://www.eia.doe.gov/forecasts/aeo/tables_ref.cfm >. (Accessed: July 26, 2010).	Claims that prices are more closely tracking the high price forecast of \$109.34 per barrel in 2011, rather than the \$81 per barrel reference case, which does not reach \$109 per barrel until 2020.	No	No
NHTSA-2011-0056-0765.1	Sierra Club, Safe Climate Campaign, and Environment America	USA Today. 2010. Oil up 34% since May; average gas price hits \$3.07. December 31, 2010. <i>Available at:</i> < http://www.usatoday.com/money/industries/energy/2010-12-31-year-end-oil-prices_N.htm >. (Accessed: July 26, 2010).	States that "by the end of the 2010 calendar year...average gas prices were already greater than \$3 per gallon" and "by December of 2010, oil prices had risen 34% since May 2010 and gas prices were at \$3.07/gallon, the result of an economic rebound that sent both prices 'surging.'"	No	No

Table C-1. Sources Identified in Scoping Comments (continued)

Comment No. (EIS Docket No.)	Name of Commenter	Full Title and Citation of Source With a Link if Available	Issue Addressed by Source	Peer Reviewed? (Yes/No)	Included in the IPCC Fourth Assessment Report? (Yes/No)
NHTSA-2011-0056-0762.1	Edison Electric Institute	EIA 2011. Annual Energy Outlook 2011. Reference Case Scenario ref2011. Datekey d0202011a. Compiled from Tables 8, 18. DOE/EIA-0383. U.S. Department of Energy: Washington, D.C. Available at: < http://eia.gov/forecasts/aeo/excel/yearbyyear.xls >. (Accessed: July 26, 2010).	Provides projections in Reference Case, in which average emissions intensity, per unit of electricity generated, for the U.S. electric power sector fall between 2010 and 2020 by 40.4 percent for sulfur dioxide, 26.5 percent for nitrous oxide, 36.9 percent for mercury, and 7.9 percent for carbon dioxide."	No	No
NHTSA-2011-0056-0762.1	Edison Electric Institute	EPRI (Electric Power Research Institute). 2007. Environmental Assessment of Plug-In Hybrid Electric Vehicles, Volume 2: United States Air Quality Analysis Based on AEO-2006 Assumptions for 2030. Available at: < http://et.epri.com/publicdocuments.html >. (Accessed: July 26, 2010).	Assesses a variety of scenarios involving the U.S. fleet of power generation and its fleet of light-duty and medium-duty cars and trucks. The study focuses on plug-in hybrid electric vehicles (PHEVs) and projects changes in power generation technology from 2010 through 2050. Assesses the air quality impacts of increased PHEV deployment through 2050.	Yes	No
NHTSA-2011-0056-0762.1	Edison Electric Institute	EPA. 2011. National Emission Standards for Hazardous Air Pollutants from Coal- and Oil-fired Electric Utility Steam Generating Units and Standards of Performance for Fossil-Fuel-Fired Electric Utility, Industrial-Commercial-Institutional, and Small Industrial-Commercial-Institutional Steam Generating Units. 76 FR 24976 (May 3, 2011). Available at: < http://www.gpo.gov/fdsys/pkg/FR-2011-05-03/pdf/2011-7237.pdf >. (Accessed: July 26, 2010).	Proposes national emission standards for hazardous air pollutants (NESHAP) from coal- and oil-fired electric utility steam generating units (EGUs) under Clean Air Act (CAA) Section 112(d) and proposes revised new source performance standards (NSPS) for fossil fuel-fired EGUs under CAA Section 111(b).	No	No

Table C-1. Sources Identified in Scoping Comments (continued)

Comment No. (EIS Docket No.)	Name of Commenter	Full Title and Citation of Source With a Link if Available	Issue Addressed by Source	Peer Reviewed? (Yes/No)	Included in the IPCC Fourth Assessment Report? (Yes/No)
NHTSA-2011-0056-0762.1	Edison Electric Institute	EPRI (Electric Power Research Institute). 2007. Environmental Assessment of Plug-In Hybrid Electric Vehicles, Volume 1: Nationwide Greenhouse Gas Emissions. <i>Available at:</i> < http://et.epri.com/publicdocuments.html >. (Accessed: July 26, 2010).	Asserts that expanded introduction of PEVs into all classes and categories of vehicles will serve to significantly reduce GHG emissions from the transportation sector, not "dilute" vehicle emissions standards.	Yes	No
NHTSA-2011-0056-0762.1	Edison Electric Institute	Wiser, R. 2010. State of the States: Update on RPS Policies and Progress. Presentation for Renewable Energy Markets 2010. October 20, 2010. <i>Available at:</i> < http://www.renewableenergymarkets.com/docs/presentations/2010/Wed_State%20of%20the%20Markets_Ryan%20Wiser.pdf >. (Accessed: July 26, 2010).	States that "As of 2011, 29 states and D.C. have RES [Renewable Energy Standard] requirements and seven additional states have nonbinding renewable generation goal. Existing RES requirements applied to 47 percent of U.S. load in 2010; when these RES requirements are implemented fully, these obligations will apply to 56 percent of load."	No	No
NHTSA-2011-0056-0762.1	Edison Electric Institute	EIA. 2009. Electric Power Annual 2009. DOE/EIA-0348. U.S. Department of Energy, Office of Electricity, Renewables, and Uranium Statistics. <i>Available at:</i> < http://www.eia.gov/cneaf/electricity/epa/epa.pdf >. (Accessed: July 26, 2010).	Summarizes electric power industry statistics at the national level. Provides industry decisionmakers, government policymakers, analysts, and the general public with historical data about U.S. electricity markets.	No	No
NHTSA-2011-0056-0762.1	Edison Electric Institute	ERCOT (Electric Reliability Council of Texas). 2006. ERCOT 2006 Annual Report.	Reports that wind represented 2.1 percent of the total electric energy generated in Texas.	No	No

Table C-1. Sources Identified in Scoping Comments (continued)

Comment No. (EIS Docket No.)	Name of Commenter	Full Title and Citation of Source With a Link if Available	Issue Addressed by Source	Peer Reviewed? (Yes/No)	Included in the IPCC Fourth Assessment Report? (Yes/No)
NHTSA-2011-0056-0762.1	Edison Electric Institute	ERCOT. 2011. ERCOT Press Release. ERCOT Region Electricity Use Up 3.5% in 2010. Wind Energy Almost 8% of Total. January 10, 2011. <i>Available at:</i> < http://www.ercot.com/news/press_releases/2011/nr01-10-11 >. (Accessed: July 26, 2010).	Reports that wind represented 7.8 percent of the total electric energy generated in Texas in 2010, compared to 6.2 percent in 2009 and 4.9 percent in 2008.	No	No
NHTSA-2011-0056-0762.1	Edison Electric Institute	EPA. 2010. Prevention of Significant Deterioration and Title V Greenhouse Gas Tailoring Rule. 75 FR 31514 (June 3, 2010). <i>Available at:</i> < http://www.gpo.gov/fdsys/pkg/FR-2010-06-03/pdf/2010-11974.pdf >. (Accessed: July 26, 2010).	Requires that additional EGUs will become subject to the permitting requirements, which require that the Best Available Control Technology be used to set GHG emissions limits for these facilities, starting on July 1, 2011.	No	No
NHTSA-2011-0056-0762.1	Edison Electric Institute	EPA. 2011. Addressing Greenhouse Gas Emissions. U.S. Environmental Protection Agency, Air Quality Protection and Standards. <i>Available at:</i> < http://www.epa.gov/airquality/ghg_settlement.html >. (Accessed: July 26, 2010).	Discusses settlement agreements to issue rules that will address GHG emissions from fossil fuel-fired power plants and refineries.	No	No
NHTSA-2011-0056-0762.1	Edison Electric Institute	BCI (Battery Council International). 2009. National Recycling Rate Study. Prepared by SmithBucklin Corporation Market Research and Statistics Group. August 2009. <i>Available at:</i> < http://www.batterycouncil.org/LinkClick.aspx?fileticket=fnM%2F%2FCsWoQE%3D&tabid=145&mid=553 >. (Accessed: July 26, 2010).	Determines that the recycling rate for 2004–2008 was 96.0 percent. Reviews the methodology used to determine the domestic recycling rate for battery lead during from 2004–2008.	No	No

Table C-1. Sources Identified in Scoping Comments (continued)

Comment No. (EIS Docket No.)	Name of Commenter	Full Title and Citation of Source With a Link if Available	Issue Addressed by Source	Peer Reviewed? (Yes/No)	Included in the IPCC Fourth Assessment Report? (Yes/No)
NHTSA-2011-0056-0759.2	Union of Concerned Scientists	DOT (U.S. Department of Transportation). 2011. Seeking relief from pain at the pump? Electric Vehicles are Ready to Roll. The Official Blog of the U.S. Secretary of Transportation, Secretary LaHood. <i>Available at:</i> < http://fastlane.dot.gov/2011/04/electric-drive-summit-.html >. (Accessed: July 26, 2010).	Discusses electric and hybrid vehicles and efforts of the Obama Administration to reduce fuel costs for drivers.	No	No
NHTSA-2011-0056-0759.2	Union of Concerned Scientists	Rodriguez, A. 2010. 'Free' Energy Technology, Nikola Tesla, & Corruption . <i>Available at:</i> < http://www.youtube.com/watch?v=Lli0PGIPyKA >. (Accessed: July 26, 2010).	Addresses technology and vehicles that run on water.	No	No
NHTSA-2011-0056-0759.2	Union of Concerned Scientists	EIA. 2011. Net Generation by Energy Source: Total (All Sectors). March 11, 2011. U.S. Department of Energy: Washington, D.C. <i>Available at:</i> < http://www.eia.gov/cneaf/electricity/epm/table1_1.html >. (Accessed: July 26, 2010).	Provides net generation by energy source for all sectors for 1997 through February 2011.	No	No
NHTSA-2011-0056-0759.2	Union of Concerned Scientists	Phoenix Project Foundation. 2010. Phoenix Project Pac (P3) Rising from the Ashes. <i>Available at:</i> < https://PhoenixProjectFoundation.US/uploads/USA_Article_V_SHE_Document.pdf >. (Accessed: July 26, 2010).	Presents a plan and initiative to enable a transition from oil, coal and other fossil and nuclear fuels to a solar hydrogen economy.	No	No

Appendix C Sources Identified in Scoping Comments

Table C-1. Sources Identified in Scoping Comments (continued)

Comment No. (EIS Docket No.)	Name of Commenter	Full Title and Citation of Source With a Link if Available	Issue Addressed by Source	Peer Reviewed? (Yes/No)	Included in the IPCC Fourth Assessment Report? (Yes/No)
NHTSA-2011-0056-0759.2	Union of Concerned Scientists	Wikipedia. 2011. The 2030 Challenge. (Last modified on 26 December 2010.) <i>Available at:</i> < http://en.wikipedia.org/wiki/The_2030_%C2%B0Challenge >. (Accessed: July 26, 2010).	Proposes an initiative by Edward Mazria and Architecture 2030 asking the global architecture and construction community to adopt a series of GHG reduction targets for new and renovated buildings.	No	No
NHTSA-2011-0056-0759.2	Union of Concerned Scientists	Sullivan, M. 2008. Air-Powered Car Coming to U.S. in 2009 to 2010 at Sub-\$18,000, Could Hit 1000-Mile Range. Popular Mechanics. February 22, 2008. <i>Available at:</i> < http://www.popularmechanics.com/cars/news/preview-concept/4251491 >. (Accessed: July 26, 2010).	Presents information on the Zero Pollution Motors announcement that it expects to produce the world's first air-powered car for the United States by late 2009 or early 2010.	No	No
NHTSA-2011-0056-0827.3	Environmental Defense Fund	Environmental Defense Fund. 2009. Letter from the New York University School of Law- Institute for Policy Integrity, Environmental Defense Fund to Senior U.S. Government Officials regarding Federal Interagency Review on the Social Cost of Carbon. September 11.	Letter from New York University School of Law - Institute for Policy Integrity, EDF to Senior U.S. Government officials providing comments on "Federal Interagency Review on the Social Cost of Carbon."	No	No
NHTSA-2011-0056-0827.4	Environmental Defense Fund	111th Congress. 2010. Excerpt from Practical Energy and Climate Plan Act of 2010, S. 3464, 111th Cong. Section 101(a)(4) 2010. Sec. 101. Fuel Efficiency Standards.	Addresses fuel efficiency standards, 2010.	No	No

Table C-1. Sources Identified in Scoping Comments (continued)

Comment No. (EIS Docket No.)	Name of Commenter	Full Title and Citation of Source With a Link if Available	Issue Addressed by Source	Peer Reviewed? (Yes/No)	Included in the IPCC Fourth Assessment Report? (Yes/No)
NHTSA-2011-0056-0087.1	State of Michigan, Department of Transportation	Chang, G. and H. Xiand. 2003. The relationship between congestion levels and accidents. MD-03-SP 208B46. Maryland State Highway Administration: Baltimore, United States. <i>Available at:</i> < http://trid.trb.org/view.aspx?id=680981 >. (Accessed: July 26, 2010).	Investigates the relationship between congestion and accidents, with a specific emphasis on the impact of traffic volume levels on accident frequency, rate, and severity.	No	No
NHTSA-2011-0056-0087.1	State of Michigan, Department of Transportation	Zhou, M and V. Sisiopiku. 1997. Relationship between volume-to-capacity ratios and accident rates. In: Transportation Research Record: Journal of the Transportation Research Board, 1581: 47-52. doi: 10.3141/1581-06. <i>Available at:</i> < http://trb.metapress.com/content/b738x782168555g7/?p=e3f9f9b3a00f4153a71704067e678959&pi=5 >. (Accessed: July 26, 2010).	Examines general relationships between hourly accident rates and hourly traffic volume-to-capacity ratios.	Yes	No
NHTSA-2011-0056-0087.1	State of Michigan, Department of Transportation	Miller, T and E. Zaloshnja. 2009. On a crash course: The dangers and health costs of deficient roadways. Pacific Institute for Research & Evaluation. <i>Available at:</i> < http://trafficsafety.org/wp-content/uploads/2009/05/TansConstrcoalitionstudy.pdf >. (Accessed: July 26, 2010).	Examines the role and consequences of the physical conditions of U.S. roadways in the number, severity, and economic costs of motor vehicle crashes in the United States.	No	No

Table C-1. Sources Identified in Scoping Comments (continued)

Comment No. (EIS Docket No.)	Name of Commenter	Full Title and Citation of Source With a Link if Available	Issue Addressed by Source	Peer Reviewed? (Yes/No)	Included in the IPCC Fourth Assessment Report? (Yes/No)
NHTSA-2011-0056-0827.2	Environmental Defense Fund	EIA (U.S. Energy Information Administration). 2010. Petroleum Statistics, US Petroleum Consumption. U.S. Department of Energy. <i>Available at:</i> < http://www.eia.gov/dnav/pet/pet_cons_psup_dc_nus_mbbldpd_a.htm >. (Accessed: July 26, 2010).	Presents total U.S. consumption of petroleum and other liquids.	No	No
NHTSA-2011-0056-0827.2	Environmental Defense Fund	EIA (U.S. Energy Information Administration). 2009. Petroleum Statistics, Total World Petroleum Consumption. U.S. Department of Energy. <i>Available at:</i> < http://www.eia.gov/emeu/ipsr/t17.xls >. (Accessed: July 26, 2010).	Presents Organisation for Economic Co-operation and Development countries and U.S. petroleum demand.	No	No
NHTSA-2011-0056-0827.2	Environmental Defense Fund	EIA (U.S. Energy Information Administration). 2009. Petroleum Basic Statistics. U.S. Department of Energy. <i>Available at:</i> < http://www.eia.gov/energyexplained/index.cfm?page=oil_home#tab2 >. (Accessed: July 26, 2010).	Presents petroleum basic statistics.	No	No
NHTSA-2011-0056-0827.2	Environmental Defense Fund	EIA (U.S. Energy Information Administration). 2011. Annual Energy Outlook. U.S. Department of Energy. Appendix A, Table A-7. <i>Available at:</i> < http://www.eia.gov/forecasts/aeo/pdf/0383(2011).pdf >. (Accessed: July 26, 2010).	Presents key indicators and delivered energy consumption of the transportation sector.	No	No

Table C-1. Sources Identified in Scoping Comments (continued)

Comment No. (EIS Docket No.)	Name of Commenter	Full Title and Citation of Source With a Link if Available	Issue Addressed by Source	Peer Reviewed? (Yes/No)	Included in the IPCC Fourth Assessment Report? (Yes/No)
NHTSA-2011-0056-0827.2	Environmental Defense Fund	Oceana. 2011. The Spill: By the Numbers. <i>Available at:</i> < http://na.oceana.org/en/our-work/climate-energy/offshore-drilling/gulf-oil-spill-response-center/the-spill-by-the-numbers >. (Accessed: July 26, 2010).	Presents statistics on the Deepwater Horizon Gulf oil spill.	No	No
NHTSA-2011-0056-0827.2	Environmental Defense Fund	EIA (U.S. Energy Information Administration). 2009. World Proved Reserves of Oil and Natural Gas, Most Recent Estimate. U.S. Department of Energy. <i>Available at:</i> < http://www.eia.doe.gov/emeu/international/reserves.html >. (Accessed: July 26, 2010).	Presents world proved reserves of oil and natural gas.	No	No
NHTSA-2011-0056-0827.2	Environmental Defense Fund	Center for American Progress. 2010. "Oil Dependence is a Dangerous Habit," January 13. <i>Available at:</i> < http://www.americanprogress.org/issues/2010/01/oil_imports_security.html >. (Accessed: July 26, 2010).	Discusses U.S. oil imports and implications for U.S. national security, economy, and the environment.		
NHTSA-2011-0056-0827.2	Environmental Defense Fund	EIA (U.S. Energy Information Administration). 2011. Gasoline and Diesel Fuel Price Updates. U.S. Department of Energy. <i>Available at:</i> < http://www.eia.gov/oog/info/gdu/gasdiesel.asp >. (Accessed: July 26, 2010).	Provides updated U.S. prices for gasoline and diesel fuel in dollars per gallon.	No	No

Table C-1. Sources Identified in Scoping Comments (continued)

Comment No. (EIS Docket No.)	Name of Commenter	Full Title and Citation of Source With a Link if Available	Issue Addressed by Source	Peer Reviewed? (Yes/No)	Included in the IPCC Fourth Assessment Report? (Yes/No)
NHTSA-2011-0056-0827.2	Environmental Defense Fund	EPA. 2010. EPA Fact Sheet, EPA and NHTSA Finalize Historic National Program to Reduce Greenhouse Gases and Improve Fuel Economy for Cars and Trucks, April. <i>Available at:</i> < http://www.epa.gov/otaq/climate/regulations/420f10014.htm >. (Accessed: July 26, 2010).	Describes the U.S. Environmental Protection Agency (EPA) and NHTSA joint rule to establish a national program consisting of new standards for MY 2012–2016 light-duty vehicles that will reduce GHG emissions and improve fuel economy.	No	No
NHTSA-2011-0056-0827.2	Environmental Defense Fund	The White House. 2010. Office of the Press Secretary, Presidential Memorandum Regarding Fuel Efficiency Standards. May 21. <i>Available at:</i> < http://www.whitehouse.gov/the-press-office/presidential-memorandum-regarding-fuel-efficiency-standards >. (Accessed: July 26, 2010).	Addresses fuel efficiency standards for medium- and heavy-duty trucks, passenger cars, and light-duty trucks. Includes Presidential directives regarding cleaner vehicles and fuels, and necessary infrastructure.	No	No
NHTSA-2011-0056-0827.2	Environmental Defense Fund	Polk. 2010. Consumers Continuing to Hold onto Vehicles Longer. November 3. <i>Available at:</i> < https://www.polk.com/company/news/consumers_continuing_to_hold_onto_vehicles_longer_according_to_polk >. (Accessed: July 26, 2010).	Presents mid-year analysis that shows increasing length of ownership of new vehicles by consumers.	No	No

Table C-1. Sources Identified in Scoping Comments (continued)

Comment No. (EIS Docket No.)	Name of Commenter	Full Title and Citation of Source With a Link if Available	Issue Addressed by Source	Peer Reviewed? (Yes/No)	Included in the IPCC Fourth Assessment Report? (Yes/No)
NHTSA-2011-0056-0827.2	Environmental Defense Fund	NHTSA. 2010. Final Environmental Impact Statement Corporate Average Fuel Economy Standards, Passenger Cars and Light Trucks, Model Years 2012-2016. February. <i>Available at:</i> < http://www.nhtsa.gov/Laws+&+Regulations/CAFE++Fuel+Economy/Model+Years+2012-2016:+Environmental+Impact+Statements >. (Accessed: July 26, 2010).	Analyzes the environmental impacts of the proposed fuel economy standards for MY 2012–2016 passenger cars and light trucks.	No	No
NHTSA-2011-0056-0827.2	Environmental Defense Fund	OMB (Office of Management and Budget). 2003. Circular A-4. <i>Available at:</i> < http://www.whitehouse.gov/omb/circulars_a004_a-4/ >. (Accessed: July 26, 2010).	Provides guidance to federal agencies on the development of regulatory analysis as required under Section 6(a)(3)(c) of Executive Order 12866, <i>Regulatory Planning and Review</i> , the Regulatory Right-to-Know Act, and a variety of related authorities.	No	No
NHTSA-2011-0056-0827.2	Environmental Defense Fund	The White House. 2011. Improving Regulation and Regulatory Review – Executive Order. January 18. <i>Available at:</i> < http://www.reginfo.gov/public/jsp/Utilities/EO_13563.pdf >. (Accessed: July 26, 2010).	Presents Presidential orders to improve regulations and the regulatory review process.	No	No
NHTSA-2011-0056-0827.2	Environmental Defense Fund	Stern, N. 2006. The Economics of Climate Change: the Stern Review. United Kingdom Cabinet Office.	Addresses SCC.	Yes	Yes

Table C-1. Sources Identified in Scoping Comments (continued)

Comment No. (EIS Docket No.)	Name of Commenter	Full Title and Citation of Source With a Link if Available	Issue Addressed by Source	Peer Reviewed? (Yes/No)	Included in the IPCC Fourth Assessment Report? (Yes/No)
NHTSA-2011-0056-0827.2	Environmental Defense Fund	EPA (U.S. Environmental Protection Agency). 2008. Technical Support Document on Benefits of Reducing GHG Emissions. U.S. EPA, Washington, D.C.	Describes benefits of reducing GHG emissions.	No	No
NHTSA-2011-0056-0827.2	Environmental Defense Fund	EPA (U.S. Environmental Protection Agency). 2009. Draft Regulatory Impact Analysis: Changes to Renewable Fuel Standard Program.	Describes revisions to the Renewable Fuel Standards program to implement the Energy Independence and Security Act of 2007.	No	No
NHTSA-2011-0056-0827.2	Environmental Defense Fund	EPA (U.S. Environmental Protection Agency). 2006. Air Quality Criteria for Ozone and Related Photochemical Oxidants (2006 Final). U.S. Environmental Protection Agency, Washington, DC.	Presents scientific basis for air quality criteria for ozone and photochemical oxidants.	No	No
NHTSA-2011-0056-0775.2	Center for Biological Diversity	Ackerman, F., and E. Stanton. 2010. The Social Cost of Carbon. A Report for the Economics for Equity and the Environment Network. April 2010. Available at: < www.e3network.org/papers/SocialCostOfCarbon_SEI_20100401.pdf >. (Accessed: July 26, 2010).	Asserts the need for a better estimate of the value of SCC.	Yes	No
NHTSA-2011-0056-0775.2	Center for Biological Diversity	American Lung Association of California. 2011. The Road to Clean Air: Public Health and Global Warming Benefits of Advanced Clean Car Standards. Available at: < http://www.lungusa.org/associations/states/california/assets/pdfs/advocacy/clean-cars-campaign/the-road-to-clean-air.pdf >. (Accessed: July 26, 2010).	Includes data quantifying the public health, global warming, and societal costs and impacts of vehicles meeting current state standards and comparing these vehicles to two future scenarios for advanced clean cars (“NextGen” and “Car of the Future”) that could be required by state regulation.	No	No

Table C-1. Sources Identified in Scoping Comments (continued)

Comment No. (EIS Docket No.)	Name of Commenter	Full Title and Citation of Source With a Link if Available	Issue Addressed by Source	Peer Reviewed? (Yes/No)	Included in the IPCC Fourth Assessment Report? (Yes/No)
NHTSA-2011-0056-0775.2	Center for Biological Diversity	Anderson, K., and A. Bows. 2010. Beyond "Dangerous" Climate Change: Emission Scenarios For a New World, Philosophical Transactions of the Royal Society. 369(1934):20-44. doi:10.1098/rsta.2010.0290. Available at: < http://rsta.royalsocietypublishing.org/content/369/1934/20 >. (Accessed: July 26, 2010).	Analyzes the implications of rapid emission growth in nations such as China and India, for mitigation rates elsewhere.	Yes	No
NHTSA-2011-0056-0775.2, CBD MDHD FEIS comments	Center for Biological Diversity	Australia Department of Climate Change and Energy Efficiency. 2011. The Critical Decade: Climate Science, Risks and Responses. May. Available at: < http://climatecommission.gov.au/wp-content/uploads/4108-CC-Science-WEB_3-June.pdf >. (Accessed: July 26, 2010).	Provides up-to-date information on the science of climate change and the implications of this knowledge for societal responses, both for mitigation strategies, and for the analysis of and responses to the risks that climate change poses for Australia.	No	No
NHTSA-2011-0056-0775.2	Center for Biological Diversity	Bender, M.A., T.R. Knutson, R.E. Tuleya, J.J. Sirutis, G.A. Vecchi, S.T. Garner, and I.M. Held. 2010. Modeled Impact of Anthropogenic Warming on the Frequency of Intense Atlantic Hurricanes. January 22. Science 327(5964):454-458. doi: 10.1126/science.1180568. Available at: < http://www.sciencemag.org/content/327/5964/454.abstract >. (Accessed: July 26, 2010).	Explores the influence of future global warming on Atlantic hurricanes with a downscaling strategy by using an operational hurricane-prediction model that produces a realistic distribution of intense hurricane activity for present-day conditions.	Yes	No

Appendix C Sources Identified in Scoping Comments

Table C-1. Sources Identified in Scoping Comments (continued)

Comment No. (EIS Docket No.)	Name of Commenter	Full Title and Citation of Source With a Link if Available	Issue Addressed by Source	Peer Reviewed? (Yes/No)	Included in the IPCC Fourth Assessment Report? (Yes/No)
NHTSA-2011-0056-0775.2	Center for Biological Diversity	Bernstein, A. and S.S. Myers. 2011. Climate Change and Children’s Health. Current Opinion in <i>Pediatrics</i> 23(2):221-226. doi: 10.1097/MOP.0b013e3283444c89. Available at: < http://journals.lww.com/co-pediatrics/Fulltext/2011/04000/Climate_change_and_children_s_health.16.aspx >. (Accessed: July 26, 2010).	Presents the latest data that on how climate change affects children’s health and identifies the principal ways in which climate change may put children’s health at risk.	Yes	No
NHTSA-2011-0056-0775.2	Center for Biological Diversity	DOI (Department of the Interior). 2011. Reclamation- Managing water in the west. Secure Water Act Section 9503(c) – Reclamation Climate Change and Water 2011. U.S. Department of the Interior, Policy and Administration, Bureau of Reclamation: Denver, Colorado. Available at: < http://www.usbr.gov/climate/SECURE/docs/SECUREWaterReport.pdf >. (Accessed: July 26, 2010).	Addresses effects of and risks from global climate change on water resources.	No	No

Table C-1. Sources Identified in Scoping Comments (continued)

Comment No. (EIS Docket No.)	Name of Commenter	Full Title and Citation of Source With a Link if Available	Issue Addressed by Source	Peer Reviewed? (Yes/No)	Included in the IPCC Fourth Assessment Report? (Yes/No)
NHTSA-2011-0056-0775.2	Center for Biological Diversity	Cayana, D.R., T. Dasa, D.W. Piercea, T.P. Barnetta, M. Tyreea, and A. Gershunova. 2010. Future Dryness in the Southwest US and the Hydrology of the Early 21st Century Drought. <i>Proceedings of the National Academy of Sciences of the United States of America</i> 107(50):21271–21276. doi: 10.1073/pnas.0912391107. Available at: < http://www.pnas.org/content/early/2010/12/06/0912391107.full.pdf+html >. (Accessed: July 26, 2010).	Uses 12 global climate models used in the IPCC Fourth Assessment Report to investigate effects of climate change on the southwestern United States.	Yes	No
NHTSA-2011-0056-0775.2	Center for Biological Diversity	Fussell, H. M. 2009. An Updated Assessment of the Risks from Climate Change based on Research Published since the IPCC Fourth Assessment Report. <i>Climatic Change</i> 97(3):469-482. Available at: < http://www.pik-potsdam.de/~fuessel/download/cc08_author.pdf >. (Accessed: July 26, 2010).	Presents an updated assessment of the risks from anthropogenic climate change, based on a comprehensive review of the pertinent scientific literature published since finalization of the IPCC Fourth Assessment Report.	Yes	No
NHTSA-2011-0056-0775.2	Center for Biological Diversity	Goodstein, E., E. Euskirchen, and H. Huntington. 2010. An Initial Estimate of the Cost of Lost Climate Regulation Services Due to Changes in the Arctic Cryosphere. Available at: < http://www.pewtrusts.org/uploads/Files/wwwpewtrustsorg/Reports/Protecting_ocean_life/Cost%20of%20Warming%20Arctic-FINAL%202%205%2010.pdf >. (Accessed: July 26, 2010).	Provides an overview of selected global ecosystem services provided by the Arctic cryosphere in the form of climate regulation; provides initial estimates of the economic value of the contributions to global climate regulation that could be lost due to Arctic warming for 2010, and cumulatively through 2050 and 2100.	No	No

Table C-1. Sources Identified in Scoping Comments (continued)

Comment No. (EIS Docket No.)	Name of Commenter	Full Title and Citation of Source With a Link if Available	Issue Addressed by Source	Peer Reviewed? (Yes/No)	Included in the IPCC Fourth Assessment Report? (Yes/No)
NHTSA-2011-0056-0775.2	Center for Biological Diversity	Graham-Rowe, E. 2011. Destination Within Range. <i>NatureNews</i> . May 20. Available at: < http://www.nature.com/news/2011/110520/full/news.2011.312.html >. (Accessed: July 26, 2010).	Discusses the driving range of electric vehicles.	Yes	No
NHTSA-2011-0056-0775.2, CBD MDHD FEIS comments	Center for Biological Diversity	Grinsted, A.J. C. Moore, and S. Jevrejeva. 2010. Reconstructing Sea Level from Paleo and Projected Temperatures 200 to 2100 AD. <i>Climate Dynamics</i> 34(4):461-472. doi:10.1007/s00382-008-0507-2. Available at: < http://www.mendeley.com/research/reconstructing-sea-level-from-paleo-and-projected-temperatures-200-to-2100-ad/#n >. (Accessed: July 26, 2010).	Uses a physically plausible 4-parameter linear response equation to relate 2000 years of global temperatures and sea level.	Yes	No
NHTSA-2011-0056-0775.2	Center for Biological Diversity	Hansen, J., M. Sato, R. Ruedy, K. Lo, D.W. Lea, and M. Medina-Elizade 2006. Global Temperature Change. <i>Proceedings of the National Academy of Sciences</i> . 103(39):14288-14293. Available at: < http://www.pnas.org/content/103/39/14288.full.pdf >. (Accessed: July 26, 2010).	Suggests that the increased west-east temperature gradient could have increased the likelihood of strong El Niños, such as those of 1983 and 1998, and concludes that global warming of more than approximately 1 °C (1.8 °F), relative to 2000, will constitute "dangerous" climate change as judged from likely effects on sea level and extermination of species.	Yes	No

Table C-1. Sources Identified in Scoping Comments (continued)

Comment No. (EIS Docket No.)	Name of Commenter	Full Title and Citation of Source With a Link if Available	Issue Addressed by Source	Peer Reviewed? (Yes/No)	Included in the IPCC Fourth Assessment Report? (Yes/No)
NHTSA-2011-0056-0775.2, CBD MDHD FEIS comments	Center for Biological Diversity	Hansen, J., M. Sato, P. Kharecha, D. Beerling, V. Masson-Delmotte, M. Pagani, M. Raymo, D.L. Royer, and J. C. Zacher. 2008. Target Atmospheric CO ₂ : Where should Humanity Aim? <i>Open Atmospheric Science Journal</i> 2:217-231. Available at: < http://arxiv.org/ftp/arxiv/papers/0804/0804.1126.pdf >. (Accessed: July 26, 2010).	Analyzes target atmospheric CO ₂ levels to prevent irreversible catastrophic effects from climate change.	Yes	No
NHTSA-2011-0056-0775.2	Center for Biological Diversity	Hansen, J., P. Kharecha, M. Sato, P. Epstein, P.J. Hearty, O. Hoegh-Guldberg, C. Parmesan, S. Rahmstorf, J. Rockstrom, E.J. Rohling, J. Sachs, P. Smith, K. Steffen, K. von Schuckmann, J.C. Zacher. 2011. The Case for Young People and Nature: A Path to a Healthy, Natural, Prosperous Future. Draft paper, May 5. Available at: < http://www.columbia.edu/~jeh1/mailings/2011/20110505_CaseForYoungPeople.pdf >. (Accessed: July 26, 2010).	Describes scenarios that define how rapidly fossil fuel emissions must be phased down to restore Earth's energy balance and stabilize global climate.	Yes	No
NHTSA-2011-0056-0775.2	Center for Biological Diversity	Harvey, F. 2011. UN Chief Challenges World to Agree Tougher Target for Climate Change, GUARDIAN.CO.UK. June 1. Available at: < http://www.guardian.co.uk/environment/2011/jun/01/climate-change-target-christiana-figueres >. (Accessed: July 26, 2010).	Discusses limiting global warming to 1.5 °C (2.7 °F) instead of the current target of 2 °C (3.6 °F), as suggested by the United Nations' climate chief.	No	No

Table C-1. Sources Identified in Scoping Comments (continued)

Comment No. (EIS Docket No.)	Name of Commenter	Full Title and Citation of Source With a Link if Available	Issue Addressed by Source	Peer Reviewed? (Yes/No)	Included in the IPCC Fourth Assessment Report? (Yes/No)
NHTSA-2011-0056-0775.2	Center for Biological Diversity	Harvey, F. 2011. Worst Ever Carbon Emissions Leave Climate On the Brink, GUARDIAN.CO.UK. May 29. Available at: < http://www.guardian.co.uk/environment/2011/may/29/carbon-emissions-nuclearpower?INTCMP=SRCH >. (Accessed: July 26, 2010).	Discusses increasing GHG emissions and its implications.	No	No
NHTSA-2011-0056-0775.2	Center for Biological Diversity	Hoegh-Guldberg, O., P. J. Mumby, A. J. Hooten, R. S. Steneck, P. Greenfield, E. Gomez, C. D. Harvell, P. F. Sale, A. J. Edwards, K. Caldeira, N. Knowlton, C. M. Eakin, R. Iglesias-Prieto, N. Muthiga, R. H. Bradbury, A. Dubi, and M. E. Hatzilos. 2007. Coral Reefs under Rapid Climate Change and Ocean Acidification. <i>Science</i> . 318:1737-1742. Available at: < http://www.sciencemag.org/content/318/5857/1737.short >. (Accessed: July 26, 2010).	Emphasizes the need for scaled up management intervention and decisive action on global emissions to avoid the loss of coral-dominated ecosystems.	Yes	No
NHTSA-2011-0056-0775.2	Center for Biological Diversity	ICCT (International Council on Clean Transportation). Undated. Figure: Comparison of US Target Scenarios in NOI with Other Countries. Available at: < www.theicct.org/info/documents/ICCT_PVStd_NOI_Comparison.pdf >. (Accessed: July 26, 2010).	Compares U.S. target CO ₂ scenarios in the Notice of Intent with other countries.	No	No

Table C-1. Sources Identified in Scoping Comments (continued)

Comment No. (EIS Docket No.)	Name of Commenter	Full Title and Citation of Source With a Link if Available	Issue Addressed by Source	Peer Reviewed? (Yes/No)	Included in the IPCC Fourth Assessment Report? (Yes/No)
NHTSA-2011-0056-0775.2	Center for Biological Diversity	ICCT (International Council on Clean Transportation). 2010. Issues Related to the Center for Automotive Research (CAR). December 15, 2010 Slide Presentation Entitled "The U.S. Auto Industry and the Market of 2025" (March 9, 2011). Available at: < http://www.theicct.org/2011/03/car-2025-forecast-analysis >. (Accessed: July 26, 2010).	Analyzes the CAR forecast for the U.S. auto industry and market in 2025.	No	No
NHTSA-2011-0056-0775.2	Center for Biological Diversity	ICCT (International Council on Clean Transportation). 2011. Vehicle Electrification Policy Study: Task 1 Technology Status. February. Available at: < http://www.theicct.org/pubs/ICCT_VEPstudy_Mar2011_no1.pdf >. (Accessed: July 26, 2010).	Identifies and promotes policies that support vehicle electrification, focusing on the California Zero-Emissions Vehicle program.	No	No
NHTSA-2011-0056-0775.2	Center for Biological Diversity	ICCT (International Council on Clean Transportation) & ClimateWorks Foundation. 2011. The Regulatory Engine: How Smart Policy Drives Vehicle Innovation. January. Available at: < http://www.theicct.org/2011/01/the-regulatory-engine/ >. (Accessed: July 26, 2010).	Summarizes the technologies in play and the state of fuel and vehicle efficiency standards in the key automotive markets worldwide.	No	No

Table C-1. Sources Identified in Scoping Comments (continued)

Comment No. (EIS Docket No.)	Name of Commenter	Full Title and Citation of Source With a Link if Available	Issue Addressed by Source	Peer Reviewed? (Yes/No)	Included in the IPCC Fourth Assessment Report? (Yes/No)
NHTSA-2011-0056-0775.2	Center for Biological Diversity	IEA (International Energy Agency). 2011. Prospect of Limiting the Global Increase in Temperature To 2°C is Getting Bleaker. May 30. <i>Available at:</i> < http://www.iea.org/index_info.asp?id=1959 >. (Accessed: July 26, 2010).	Discusses increasing CO ₂ emissions and the urgent need for their reduction.	No	No
NHTSA-2011-0056-0775.2	Center for Biological Diversity	Interagency Working Group on the Social Cost of Carbon, Social Cost of Carbon for Regulatory Impact Analysis Under Executive Order 12866 , <i>Available at:</i> < http://www.epa.gov/oms/climate/regulations/scc-tsd.pdf >. (Accessed: July 26, 2010).	Discusses estimation of SCC for use in regulatory analysis.	No	No
NHTSA-2011-0056-0775.2	Center for Biological Diversity	International Panel on Climate Change. 2007. Climate Change 2007: Synthesis Report, Summary for Policymakers at 54. <i>Available at:</i> < http://www.ipcc.ch/publications_and_data/publications_ipcc_fourth_assessment_report_synthesis_report.htm >. (Accessed: July 26, 2010).	Presents an integrated view of climate change as the final part of the IPCC Fourth Assessment Report.	Yes	Yes
NHTSA-2011-0056-0775.2	Center for Biological Diversity	Jamieson, A. 2011. UK to cut emissions by 50% by 2025. May 19. <i>Available at:</i> < http://blogs.crikey.com.au/rooted/2011/05/19/uk-to-cut-emissions-by-50-by-2025 >. (Accessed: July 26, 2010).	Discusses the United Kingdom as a potential world leader on clean energy and climate policy, after its announcement to halve carbon emissions by 2025.	No	No

Table C-1. Sources Identified in Scoping Comments (continued)

Comment No. (EIS Docket No.)	Name of Commenter	Full Title and Citation of Source With a Link if Available	Issue Addressed by Source	Peer Reviewed? (Yes/No)	Included in the IPCC Fourth Assessment Report? (Yes/No)
NHTSA-2011-0056-0775.2	Center for Biological Diversity	Kanter, J. 2011. Britain Set to Announce Ambitious Environmental Steps. <i>New York Times</i> May 16. Available at: < http://www.nytimes.com/2011/05/17/business/global/17carbon.html > . (Accessed: July 26, 2010).	Presents Britain's goals for GHG gas reductions.	No	No
NHTSA-2011-0056-0775.2	Center for Biological Diversity	U.S. Global Change Research Program. 2009. Global Climate Change Impacts in the United States. Available at: < http://www.globalchange.gov/what-we-do/assessment/previous-assessments/global-climate-change-impacts-in-the-us-2009 >. (Accessed: July 26, 2010).	Summarizes the science and the impacts of climate change on the United States, now and in the future, and focuses on climate change impacts in different regions of the United States and on various aspects of society and the economy, such as energy, water, agriculture, and health.	No	No
NHTSA-2011-0056-0775.2	Center for Biological Diversity	Keller, K., A. Robinson, D. Bradford, and M. Oppenheimer. 2007. The Regrets of Procrastination in Climate Policy, Environmental Research Letters. Available at: < http://iopscience.iop.org/1748-9326/2/2/024004/ >. (Accessed: July 26, 2010).	Uses a simple economic model to estimate the economic costs of suboptimal strategy choice in climate policy.	Yes	No
NHTSA-2011-0056-0775.2	Center for Biological Diversity	Kwok, R. and Rothrock, D. A.. 2009. Decline in Arctic sea Ice Thickness from Submarine and ICESat Records: 1958-2008. Geophysical Research Letters 36:L15501. doi:10.1029/2009GL039035. Available at: < http://rkwok.jpl.nasa.gov/publications/Kwok.2009.GRL.pdf >. (Accessed: July 26, 2010).	Analyzes the decrease in Arctic sea thickness; analysis shows a long-term trend of sea-ice thinning over submarine and International Council for Exploration of the Seas (ICESat) records that span 4 decades.	Yes	No

Table C-1. Sources Identified in Scoping Comments (continued)

Comment No. (EIS Docket No.)	Name of Commenter	Full Title and Citation of Source With a Link if Available	Issue Addressed by Source	Peer Reviewed? (Yes/No)	Included in the IPCC Fourth Assessment Report? (Yes/No)
NHTSA-2011-0056-0775.2	Center for Biological Diversity	Leadley, P., Pereira, H.M., Alkemade, R., Fernandez-Manjarrés, J.F., Proença, V., Scharlemann, J.P.W., Walpole, M.J. 2010. Biodiversity Scenarios: Projections of 21st Century Change in Biodiversity and Associated Ecosystem Services, Secretariat of the Convention on Biological Diversity, Montreal. Technical Series no. 50. Available at: < http://www.cbd.int/doc/publications/cbd-ts-50-en.pdf >. (Accessed: July 26, 2010).	Focuses on estimates of biodiversity change as projected for the twenty-first century by models or extrapolations based on experiments and observed trends.	Yes	No
NHTSA-2011-0056-0775.2	Center for Biological Diversity	Luedeling E., M. Zhang, E.H. Girvetz. 2009. Climatic Changes Lead to Declining Winter Chill for Fruit and Nut Trees in California during 1950–2099, <i>PLoS ONE</i> . July 2. Available at: < http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0006166 >. (Accessed: July 26, 2010).	Maps and investigates observed historic and projected future changes in winter chill in California, quantified with two different chilling models (Chilling Hours, Dynamic Model).	Yes	No

Table C-1. Sources Identified in Scoping Comments (continued)

Comment No. (EIS Docket No.)	Name of Commenter	Full Title and Citation of Source With a Link if Available	Issue Addressed by Source	Peer Reviewed? (Yes/No)	Included in the IPCC Fourth Assessment Report? (Yes/No)
NHTSA-2011-0056-0775.2	Center for Biological Diversity	Maibach, E., M. Nisbet, and M. Weathers. 2011. Conveying the Human Implications of Climate Change, Center for Climate Change Communication 10-11. <i>Available at:</i> < http://www.climatechangecommunication.org/images/files/4C%20Communication%20Primer%20-%20Conveying%20the%20Human%20Implications%20of%20Climate%20Change.pdf >. (Accessed: July 26, 2010).	Provides help for public health professionals to communicate the health implications of climate change to the public, to policymakers, and to other professionals whose work is, or will be, affected by climate change.	No	No
NHTSA-2011-0056-0775.2	Center for Biological Diversity	McKinsey & Company. 2009. Pathways to a Low-Carbon Economy: Version 2 of the Global Greenhouse Gas Abatement Cost Curve 16 (2009). <i>Available at:</i> < https://solutions.mckinsey.com/ClimateDesk/default.aspx >. (Accessed: July 26, 2010).	Assesses more than 200 GHG abatement opportunities across 10 major sectors and 21 world regions between 2009 and 2030, and presents results comprising an in-depth evaluation of the potential costs and investment required for each of those measures.	No	No

Table C-1. Sources Identified in Scoping Comments (continued)

Comment No. (EIS Docket No.)	Name of Commenter	Full Title and Citation of Source With a Link if Available	Issue Addressed by Source	Peer Reviewed? (Yes/No)	Included in the IPCC Fourth Assessment Report? (Yes/No)
NHTSA-2011-0056-0775.2	Center for Biological Diversity	Meehl, G.A., T.F. Stocker, W.D. Collins, P. Friedlingstein, A.T. Gaye, J.M. Gregory, A. Kitoh, R. Knutti, J.M. Murphy, A. Noda, S.C.B. Raper, I.G. Watterson, A.J. Weaver and Z.-C. Zhao, 2007: Global Climate Projections. In: Climate Change 2007: The Physical Science Basis. Contribution of Working Group I to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change [Solomon, S., D. Qin, M. Manning, Z. Chen, M. Marquis, K.B. Averyt, M. Tignor and H.L. Miller (eds.)]. Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA.	Assesses future climate change consequences based on a hierarchy of models, ranging from AOGCMs and EMICs to SCMs; assesses non-mitigated projections of future climate change at scales from global to hundreds of kilometers.	Yes	Yes
NHTSA-2011-0056-0775.2	Center for Biological Diversity	Milne, G.A., W.R. Gehrels, C.W. Hughes, and M.E. Tamisiea. 2009. Identifying the Causes of Sea-level Change. <i>Nature Geoscience</i> 2:471-478. Available at: < http://nora.nerc.ac.uk/7472/1/Milne_et_al_NatureGeo_2009_SeaLevelReview_postprint.pdf >. (Accessed: July 26, 2010).	Reviews recent advances in understanding of past sea-level changes on decadal to millennial time scales to consider how well future changes can be constrained.	Yes	No

Table C-1. Sources Identified in Scoping Comments (continued)

Comment No. (EIS Docket No.)	Name of Commenter	Full Title and Citation of Source With a Link if Available	Issue Addressed by Source	Peer Reviewed? (Yes/No)	Included in the IPCC Fourth Assessment Report? (Yes/No)
NHTSA-2011-0056-0775.2	Center for Biological Diversity	Mooney, H., A. Larigauderie, M. Cesario, T. Elmquist, O. Hoegh-Guldberg, S. Lavorel, G.M. Mace, M. Palmer, R. Scholes and T. Yahara. 2010. Biodiversity, Climate Change, and Ecosystem Services, 1 Current Opinion in Environmental Sustainability. Available at: < http://palmerlab.umd.edu/Mooney_et al_2009.pdf >. (Accessed: July 26, 2010).	Proposes that climate change puts stress on biodiversity and ecosystems and “will require extreme adaptation.”	Yes	No
NHTSA-2011-0056-0775.2	Center for Biological Diversity	Dawson, T.P., S.T. Jackson, J.I. House, I.C. Prentice, and G.M. Mace. 2011. Beyond Predictions: Biodiversity Conservation in a Changing Climate. <i>Science</i> 332(6025):53-58. doi:10.1126/science.1200303. Available at: < http://www.sciencemag.org/content/332/6025/53.abstract >. (Accessed: July 26, 2010).	Considers a new methodology framework for climate change predictions.	Yes	No
NHTSA-2011-0056-0775.2	Center for Biological Diversity	NOAA (National Oceanic and Atmospheric Administration). 2011. Climate Change and Harmful Algal Blooms. Available at: < http://oceanservice.noaa.gov/news/weeklynews/mar11/ohh-climate.html >. (Accessed: July 26, 2010).	States that climate change will cause longer seasons of harmful algae bloom in the Puget Sound, which could cost the shellfish industry approximately \$108 billion.	No	No

Table C-1. Sources Identified in Scoping Comments (continued)

Comment No. (EIS Docket No.)	Name of Commenter	Full Title and Citation of Source With a Link if Available	Issue Addressed by Source	Peer Reviewed? (Yes/No)	Included in the IPCC Fourth Assessment Report? (Yes/No)
NHTSA-2011-0056-0775.2	Center for Biological Diversity	NRC. 3020. Ocean Acidification: A National Strategy to Meet the Challenges of a Changing Ocean, Prepublication copy. Available at: < http://www.nap.edu/catalog.php?record_id=12904 >. (Accessed: July 26, 2010).	States that oceans have absorbed a significant portion of all human-made CO ₂ emissions, but it has caused unprecedented changes in ocean chemistry.	Yes	No
NHTSA-2011-0056-0775.2	Center for Biological Diversity	Orr, J.C., V.J. Fabry, O. Aumont, L. Bopp, S.C. Doney, R.A. Feely, A. Gnanadesikan, N. Gruber, A. Ishida, F.Joos, K. Lindsay, E. Maier-Reimer, R. Matear, P. Monfray, A. Mouchet, R.G. Najjar, G.-K. Plattner, K.B. Rodgers, C.L. Sabine, J.L. Sarmiento, R. Schlitzer, R.D. Slater, I.J. Totterdell, M.-F. Weirig, Y. Yamanaka, A. Yool. 2005. Anthropogenic Ocean Acidification over the Twenty-first Century and its Impact on Calcifying Organisms. <i>Nature</i> 437(7059):681-686. doi: 10.1038/nature04095. Available at: < http://academic.research.microsoft.com/Publication/2726390/anthropogenic-oceanacidification-over-the-twenty-first-century-and-its-impact-on-calcifying >. (Accessed: July 26, 2010).	States that increased atmospheric CO ₂ concentrations are intensifying ocean acidification and organisms will have difficulty maintaining their external calcium carbonate skeletons; corals and plankton will be most affected.	Yes	Yes

Table C-1. Sources Identified in Scoping Comments (continued)

Comment No. (EIS Docket No.)	Name of Commenter	Full Title and Citation of Source With a Link if Available	Issue Addressed by Source	Peer Reviewed? (Yes/No)	Included in the IPCC Fourth Assessment Report? (Yes/No)
NHTSA-2011-0056-0775.2	Center for Biological Diversity	Østervang, A. 2011. Denmark's Road to a Low-Carbon, Energy-Efficient Economy. May 13. <i>Available at:</i> < http://blogs.worldwatch.org/revolt/denmark%E2%80%99s-road-to-a-low-carbon-energy-efficient-economy/ >. (Accessed: July 26, 2010).	States that Denmark's path to receive the world's largest share of its national revenue from the clean technologies industry resulted from investing in renewable and high-efficiency energy sources.	No	No
NHTSA-2011-0056-0775.2	Center for Biological Diversity	Overpeck, J. and B. Udall. 2010. Dry Times Ahead. 25 June. <i>Science</i> . 328(5986):1642-1643. doi: 10.1126/science.1186591.	Study of climate change affecting water availability in the western United States.	Yes	No
NHTSA-2011-0056-0775.2	Center for Biological Diversity	Oxfam. 2011. Press Release: Developing countries pledge bigger climate emissions cuts than world's richest nations. June 5. <i>Available at:</i> < http://www.oxfam.org/en/grow/pressroom/pressrelease/2011-06-06/developing-countries-pledge-bigger-climate-emissions-cuts-worlds-r >. (Accessed: July 26, 2010).	Developing countries are pledging to cut their emissions of GHGs by more than developed countries. This press release estimates that more than 60 percent of emissions cuts by 2020 are likely to be made by developing countries.	No	No
NHTSA-2011-0056-0775.2	Center for Biological Diversity	Oxfam. 2011. Background Briefing: Are developed or developing countries pledging greater emissions cuts by 2020? June 5.	<i>Note: Could not locate article.</i>	No	No

Table C-1. Sources Identified in Scoping Comments (continued)

Comment No. (EIS Docket No.)	Name of Commenter	Full Title and Citation of Source With a Link if Available	Issue Addressed by Source	Peer Reviewed? (Yes/No)	Included in the IPCC Fourth Assessment Report? (Yes/No)
NHTSA-2011-0056-0775.2	Center for Biological Diversity	Parmesan, C. 2006. Ecological and Evolutionary Responses to Recent Climate Change. <i>Annual Review of Ecology Evolution & Systematics</i> 37:637-639. doi:10.1146/annurev.ecolsys.37.091305.110100. Available at: < http://www.law.arizona.edu/adaptationconference/PDFs/ParmesanAREES_Impacts2006.pdf >. (Accessed: July 26, 2010).	States that ecological changes in the phenology and distribution of plants and animals are occurring in all well-studied marine, freshwater, and terrestrial groups and are highly aligned with the predictions of climate change.	Yes	No
NHTSA-2011-0056-0775.2	Center for Biological Diversity	Perera, E. and Sanford T. 2011. Climate Change and Your Health: Rising Temperatures, Worsening Ozone Pollution, Union of Concerned Scientists. Available at: < http://www.ucsusa.org/assets/documents/global_warming/climate-change-and-ozone-pollution.pdf >. (Accessed: July 26, 2010).	Report demonstrates how climate change could increase "bad" ozone and threaten human health and the economy.	No	No
NHTSA-2011-0056-0775.2	Center for Biological Diversity	Pfeffer, W. T., J.T. Harper, and S.O. Neel. 2008. Kinematic Constraints on Glacier Contributions to 21st-Century Sea-Level Rise. <i>Science</i> 321(5894):1340-1343. doi: 10.1126/science.1159099. Available at: < http://www.sciencemag.org/content/321/5894/1340.abstract >. (Accessed: July 26, 2010).	States that multimeter sea-level rise is expected to occur by the end of the twenty-first century based on studying glaciological conditions.	Yes	No

Table C-1. Sources Identified in Scoping Comments (continued)

Comment No. (EIS Docket No.)	Name of Commenter	Full Title and Citation of Source With a Link if Available	Issue Addressed by Source	Peer Reviewed? (Yes/No)	Included in the IPCC Fourth Assessment Report? (Yes/No)
NHTSA-2011-0056-0775.2	Center for Biological Diversity	Pritchard, H.D., R.J. Arthern, D.G. Vaughan & L.A. Edwards. 2009. Extensive Dynamic Thinning on the Margins of the Greenland and Antarctic Ice Sheets. <i>Nature</i> 461:971-975. doi:10.1038/nature08471. Available at: < http://www.astroscu.unam.mx/~binette/atcag/Other_articles/hamish_melt_antarctic.pdf >. (Accessed: July 26, 2010).	States that melting of the ice sheets along the margins of Greenland and the Antarctic is accelerating and contributing to global sea-level rise.	Yes	No
NHTSA-2011-0056-0775.2	Center for Biological Diversity	Ramanathan, V., and Y. Feng. 2008. On Avoiding Dangerous Anthropogenic Interference with the Climate System: Formidable Challenges Ahead. <i>Proceedings of the National Academy of Sciences of the United States of America</i> 105(38):14245. doi: 10.1073/pnas.0803838105. Available at: < http://www.pnas.org/content/105/38/14245.full.pdf+html >. (Accessed: July 26, 2010).	Presents data on how increase in GHGs since the pre-industrial era has likely committed the world to a warming above the pre-industrial surface temperatures, contributing to sea level rise and committed warming effects that are being realized now and will unfold during the twenty-first century.	Yes	No

Table C-1. Sources Identified in Scoping Comments (continued)

Comment No. (EIS Docket No.)	Name of Commenter	Full Title and Citation of Source With a Link if Available	Issue Addressed by Source	Peer Reviewed? (Yes/No)	Included in the IPCC Fourth Assessment Report? (Yes/No)
NHTSA-2011-0056-0775.2	Center for Biological Diversity	Sheffield, P. and Landrigan, P. J. 2011. Global Climate Change and Children's Health: Threats and Strategies for Prevention. <i>Environmental Health Perspectives</i> 119(3):291-298. Available at: < http://ehp03.niehs.nih.gov/article/etchArticle.action?articleURI=info%3Adoi%2F10.1289%2Fehp.1002233 >. (Accessed: July 26, 2010).	Reviews projected impacts of climate change on children's health, the pathways involved in these effects, and prevention strategies. Determines that further quantification of climate change effects on children's health is needed at global, regional, and local levels through enhanced monitoring of children's environmental health and tracking selected indicators, along with incorporation of climate change preparedness strategies into public health programs.	Yes	No
NHTSA-2011-0056-0775.2	Center for Biological Diversity	Silverman, J., B. Lazar, L. Cao, K. Caldeira, and J. Erez. 2009. Coral Reefs may start dissolving when atmospheric CO ₂ Doubles. 13 March. <i>Geophysical Research Letters</i> 36:L05606, doi:10.1029/2008GL036282.	Provides a global estimate of the decline in calcification of coral reefs as a result of increase in sea surface temperature and partial pressure of CO ₂ .	Yes	No
NHTSA-2011-0056-0775.2	Center for Biological Diversity	Staudt, A. and R. Curry. 2011. More Extreme Weather and the U.S. Energy Infrastructure, National Wildlife Federation. Available at: < http://www.nwf.org/Global-Warming/What-is-Global-Warming/Global-Warming-is-Causing-Extreme-Weather/Energy-Infrastructure.aspx >. (Accessed: July 26, 2010).	Presents information on how climate change and extreme weather affects the U.S. energy infrastructure and recommends undertaking a detailed national climate vulnerability assessment for the energy industry and development of climate adaptation plans to address vulnerabilities.	No	No

Table C-1. Sources Identified in Scoping Comments (continued)

Comment No. (EIS Docket No.)	Name of Commenter	Full Title and Citation of Source With a Link if Available	Issue Addressed by Source	Peer Reviewed? (Yes/No)	Included in the IPCC Fourth Assessment Report? (Yes/No)
NHTSA-2011-0056-0775.2	Center for Biological Diversity	Stern, N. 2006. Stern Review on the Economics of Climate Change, Part III: The Economics of Stabilisation. <i>Available at:</i> < http://www.hm-treasury.gov.uk/independent_reviews/stern_review_economics_climate_change/stern_review_report.cfm >. (Accessed: July 26, 2010).	Considers the economic challenges of achieving stabilization of GHGs in the atmosphere.	Yes	Yes
NHTSA-2011-0056-0775.2	Center for Biological Diversity	Stroeve, J., M. Serreze, S. Drobot, S. Gearheard, M. Holland, J. Maslanik, W. Meier, and T. Scambosi. 2008. Arctic Sea Ice Extent Plummetts in 2007, <i>EOS Transactions</i> 89(2):13-14. <i>Available at:</i> < https://www.cfa.harvard.edu/~wson/MitchTaylor08-d/Stroeveetal08-ArcticIceExtent2007.pdf >. (Accessed: July 26, 2010).	Discusses the rapid decline of Arctic sea ice to unprecedented low extents during summer 2007 and states that the "Arctic may be on the verge of a fundamental transition toward a seasonal ice cover."	Yes	No
NHTSA-2011-0056-0775.2	Center for Biological Diversity	Rogers, S. and L. Evans. 2011. The Guardian., World Carbon Dioxide Emissions Data By Country: China speeds ahead of the rest. <i>The Guardian</i> . Jan. 31, 2011. <i>Available at:</i> < http://www.guardian.co.uk/news/datablog/2011/jan/31/world-carbon-dioxide-emissions-country-data-co2 >. (Accessed: July 26, 2010).	Provides data on world carbon emissions by country.	No	No

Table C-1. Sources Identified in Scoping Comments (continued)

Comment No. (EIS Docket No.)	Name of Commenter	Full Title and Citation of Source With a Link if Available	Issue Addressed by Source	Peer Reviewed? (Yes/No)	Included in the IPCC Fourth Assessment Report? (Yes/No)
NHTSA-2011-0056-0775.2	Center for Biological Diversity	Tirado, M.C., R. Clarke, L.A. Jaykus, A. McQuatters-Gollop, and J.M. Frank. 2010. Climate Change and Food Safety: A Review. <i>Food Research International</i> 43(6):1745-1765. doi: 10.1016/j.foodres.2010.07.003. Available at: < http://www.sciencedirect.com/science/article/pii/S0963996910002231 >. (Accessed: July 26, 2010).	Reviews the potential impacts of predicted changes in climate on food contamination and food safety at various stages of the food chain, and identifies adaptation strategies and research priorities to address food safety implications of climate change.	Yes	No
NHTSA-2011-0056-0775.2	Center for Biological Diversity	Tripati, A. C.D. Roberts, and R.A. Eagle. 2009. Coupling of CO ₂ and Ice Sheet Stability Over Major Climate Transitions of the Last 20 Million Years. <i>Science</i> 326(5948):1394-1397. doi: 10.1126/science.1178296 . Available at: < http://www.sciencemag.org/content/326/5958/1394.short >. (Accessed: July 26, 2010).	Analysis used boron/calcium ratios in foraminifera to estimate atrial pressure of CO ₂ during major climate transitions of the past 20 million years.	Yes	No
NHTSA-2011-0056-0775.2	Center for Biological Diversity	Go60mpg. 2010. The Road Ahead: The Benefits of Strong Fuel Efficiency and Pollution Standards for New Cars and Trucks. Union of Concerned Scientists. Available at: < http://www.go60mpg.org/sites/default/themes/go60mpg/pdf/The-Road-Ahead.pdf >. (Accessed: July 26, 2010).	States that a fuel economy of 60 mpg is technologically feasible and sufficient to set the U.S. on a path toward GHG emissions reduction.	No	No

Table C-1. Sources Identified in Scoping Comments (continued)

Comment No. (EIS Docket No.)	Name of Commenter	Full Title and Citation of Source With a Link if Available	Issue Addressed by Source	Peer Reviewed? (Yes/No)	Included in the IPCC Fourth Assessment Report? (Yes/No)
NHTSA-2011-0056-0775.2	Center for Biological Diversity	Union of Concerned Scientists. 2011. Translating New Auto Standards into On-Road Fuel Efficiency. Why 60 MPG Standards mean a window label fuel economy of less than 40 MPG. <i>Available at:</i> < http://www.ucsusa.org/assets/documents/clean_vehicles/Translating-Standards-into-On-Road.pdf >. (Accessed: July 26, 2010).	Discusses why CAFE compliance test results are higher than the mpg consumers see on a new vehicle's window.	No	No
NHTSA-2011-0056-0775.2	Center for Biological Diversity	UNEP. 2010. UNEP Emerging Issues: Environmental Consequences of Ocean Acidification: A Threat to Food Security. <i>Available at:</i> < http://www.unep.org/dewa/pdf/Environmental_Consequences_of_Ocean_Acidification.pdf >. (Accessed: July 26, 2010).	Presents information that increased CO ₂ from the burning of fossil fuels, and other human factors, are contributing to ocean acidification, therefore affecting and influencing the marine-based diets for billions of people worldwide.	No	No
NHTSA-2011-0056-0775.2	Center for Biological Diversity	UNEP. 2010. The Emissions Gap Report. Are the Copenhagen Accord Pledges Sufficient to Limit Global Warming to 2° C or 1.5° C? A Preliminary Assessment. <i>Available at:</i> < http://www.unep.org/publications/ebooks/emissionsgapreport/ >. (Accessed: July 26, 2010).	Informs governments and the wider community on how far a response to climate change has progressed over the past 12 months, and therefore how world has progressed toward meet wider goals.	No	No
NHTSA-2011-0056-0775.2	Center for Biological Diversity	USJFCOM (U.S. Joint Forces Command). 2010. The Joint Operating Environment 2010. Feb.18, 2010. <i>Available at:</i> < http://www.scribd.com/doc/47237325/Joint-Operating-Environment-2010 >. (Accessed: July 26, 2010).	Provides a perspective on future trends and implications and how these will affect future joint force commanders, leaders, and professionals in the national security field.	No	No

Table C-1. Sources Identified in Scoping Comments (continued)

Comment No. (EIS Docket No.)	Name of Commenter	Full Title and Citation of Source With a Link if Available	Issue Addressed by Source	Peer Reviewed? (Yes/No)	Included in the IPCC Fourth Assessment Report? (Yes/No)
NHTSA-2011-0056-0775.2	Center for Biological Diversity	EPA. 2011. U.S. Greenhouse Gas Inventory Report: Inventory of U.S. Greenhouse OF U.S. Greenhouse Gas Emissions and Sinks: 1990-2009. Executive Summary. <i>Available at:</i> < http://epa.gov/climatechange/emissions/usinventoryreport.html >. (Accessed: July 26, 2010).	Provides a broad overview of all U.S. GHG emission sources and sinks, introduces key concepts, and discusses the primary drivers for changes in emissions.	No	No
NHTSA-2011-0056-0775.2	Center for Biological Diversity	Belnap, J., and D.H. Campbell. 2011. Effects of Climate Change and Land Use on Water Resources in the Upper Colorado River Basin:U.S. Geological Survey Fact Sheet 2010-3123. 6 pgs. <i>Available at:</i> < http://pubs.usgs.gov/fs/2010/3123/ >. (Accessed: July 26, 2010).	Provides a study of climate change effects on the Colorado River watershed system that would impact water security of the southwestern United States.	No	No
NHTSA-2011-0056-0775.2	Center for Biological Diversity	Vermeer, M., and S. Rahmstorf. 2009. Global Sea Level Linked to Global Temperature. <i>Proceedings of the National Academy of Sciences of the United States of America</i> 106: 21527-21532. <i>Available at:</i> < http://www.pnas.org/content/106/51/21527 >. (Accessed: July 26, 2010).	Proposes a relationship between sea-level variations on time scales of decades to centuries to global mean temperature using model data.	Yes	No

Table C-1. Sources Identified in Scoping Comments (continued)

Comment No. (EIS Docket No.)	Name of Commenter	Full Title and Citation of Source With a Link if Available	Issue Addressed by Source	Peer Reviewed? (Yes/No)	Included in the IPCC Fourth Assessment Report? (Yes/No)
NHTSA-2011-0056-0775.2	Center for Biological Diversity	Veron, J.E.N., O. Hoegh-Guldberg, T.M. Lenton, J.M. Lough, D.O. Obura, P. Pearce-Kelly, C.R.C. Sheppard, M. Spalding, M.G. Stafford-Smith, A.D. Rogers. 2009. The Coral Reef Crisis: The Critical Importance of <350 ppm CO ₂ . Marine Pollution Bulletin. doi: 10.1016/j.marpolbul.2009.09.009. Available at: < http://www.scribd.com/doc/43243503/The-Coral-Reef-Crisis-the-Critical-Importance-of-350-Ppm-CO2 >. (Accessed: July 26, 2010).	Argues that mass coral bleaching will occur steadily if CO ₂ is emitted at the current rates until approximately 2030–2040; then the reefs will be in rapid and terminal decline. Asserts there will be a reduction in biodiversity, followed by extinctions throughout the marine food chain.	Yes	No
NHTSA-2011-0056-0775.2	Center for Biological Diversity	Warren, R. 2006. Impacts of Global Climate Change at Different Annual Mean Global Temperature Increases. In: Avoiding Dangerous Climate Change. [J. Schellnhuber, W. Cramer, N. Nakicenovic, T. Wigley, and G. Yohe (Eds.)]. Cambridge University Press: Cambridge, United Kingdom. 506 pages.	Concludes that CO ₂ will need to be reduced from its current 385 parts per million (ppm) to at most 350 ppm to preserve the planet.	Yes	No
NHTSA-2011-0056-0775.2	Center for Biological Diversity	Warren, R., J. Price, A. Fischlin, S. de la Nava Santos, G. Midgley. 2011. Increasing Impacts of Climate Change upon Ecosystems with Increasing Global Mean Temperature Rise. <i>Climatic Change</i> 106:141-177. doi: 10.1007/s10584-010-9923-5.	Report states that, based on the integration of peer-reviewed studies that provide quantified estimates of future projected ecosystem changes, dramatic and substantive projected increases of climate change impacts on ecosystems are revealed with increasing annual global mean temperature rise above the pre-industrial mean.	Yes	No

Table C-1. Sources Identified in Scoping Comments (continued)

Comment No. (EIS Docket No.)	Name of Commenter	Full Title and Citation of Source With a Link if Available	Issue Addressed by Source	Peer Reviewed? (Yes/No)	Included in the IPCC Fourth Assessment Report? (Yes/No)
NHTSA-2011-0056-0775.2	Center for Biological Diversity	World Bank. 2010. World Development Report 2010: Development and Change. <i>Available at:</i> < http://econ.worldbank.org/WBSITE/EXTERNAL/EXTDEC/EXTRESEARCH/EXTWDRS/EXTWDR2010/0,,contentMDK:21969137~menuPK:5287748~pagePK:64167689~piPK:64167673~theSitePK:5287741,00.html >. (Accessed: July 26, 2010).	Report recognizes the development challenges of climate change and provides some mitigation and adaptation strategies.	No	No
NHTSA-2011-0056-0827.1	American Lung Association and Environmental Defense Fund	EIA (U.S. Energy Information Administration). 2010. Annual Energy Outlook 2010. Appendix A. U.S. Department of Energy. Washington, D.C. Washington, D.C. DOE/EIA-0383ER(2010). <i>Available at:</i> < http://www.eia.doe.gov/oiaf/aeo/pdf/0383(2010).pdf >. (Accessed: July 26, 2010).	Focuses on the U.S. energy markets and economic recovery. Appendix A, Reference Case, provides tables and statistical data on the various energy markets.	Yes	No
NHTSA-2011-0056-0827.1	American Lung Association and Environmental Defense Fund	EIA (U.S. Energy Information Administration). 2010. Petroleum Basic Statistics. U.S. Department of Energy. Washington, D.C. <i>Available at:</i> < http://www.eia.doe.gov/basics/quickoil.html >. (Accessed: July 26, 2010).	Provides various statistics on crude oil and petroleum products.	Yes	No
NHTSA-2011-0056-0827.1	American Lung Association and Environmental Defense Fund	Lives Per Gallon Story Project. 2011. Helping Victims of the BP Oil Spill. <i>Available at:</i> < http://livespergallon.net/ >. (Accessed: July 26, 2010).	Focuses on spreading awareness of the social cost of oil and helping the victims of the Deepwater Horizon oil spill crisis.	No	No

Table C-1. Sources Identified in Scoping Comments (continued)

Comment No. (EIS Docket No.)	Name of Commenter	Full Title and Citation of Source With a Link if Available	Issue Addressed by Source	Peer Reviewed? (Yes/No)	Included in the IPCC Fourth Assessment Report? (Yes/No)
NHTSA-2011-0056-0827.1	American Lung Association and Environmental Defense Fund	EIA (U.S. Energy Information Administration). 2009. World Proved Reserves of Oil and Natural Gas, Most Recent Estimate. U.S. Department of Energy. <i>Available at:</i> < http://www.eia.gov/international/reserves.html >. (Accessed: July 26, 2010).	Provides statistical information by country/region on how much oil and natural gas has been found.	Yes	No
NHTSA-2011-0056-0827.1	American Lung Association and Environmental Defense Fund	Center for American Progress. 2009. Securing America's Future: Enhancing our National Security by Reducing Oil Dependence and Environmental Damage. <i>Available at:</i> < http://www.americanprogress.org/issues/2009/08/securing_future.html >. (Accessed: July 26, 2010).	Analyzes the American Clean Energy and Security Act (ACESA) and how it will help reduce U.S. dependence on foreign oil.	No	No
NHTSA-2011-0056-0827.1	American Lung Association and Environmental Defense Fund	Operation Free. 2010. US Addiction to Oil Enriches Dictators. <i>Available at:</i> < http://www.operationfree.net/energy-security-threats/to-oil-addiction/ >. (Accessed: July 26, 2010).	Focuses on the national security implications of climate change.	No	No
NHTSA-2011-0056-0827.1	American Lung Association and Environmental Defense Fund	Energy Security Leadership Council. 2008. A National Strategy for Energy Security: Recommendations to the Nation on Reducing U.S. Oil Dependence. <i>Available at:</i> < http://www.secureenergy.org/sites/default/files/936_A_National_Strategy_for_Energy_Security.pdf >. (Accessed: July 26, 2010).	Focuses on an energy security strategy for reducing U.S. dependence on oil.	No	No

Table C-1. Sources Identified in Scoping Comments (continued)

Comment No. (EIS Docket No.)	Name of Commenter	Full Title and Citation of Source With a Link if Available	Issue Addressed by Source	Peer Reviewed? (Yes/No)	Included in the IPCC Fourth Assessment Report? (Yes/No)
NHTSA-2011-0056-0827.1	American Lung Association and Environmental Defense Fund	U.S. EPA (Environmental Protection Agency). 2011. Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990-2009. Chapter 3. <i>Available at:</i> < http://epa.gov/climatechange/emissions/usinventoryreport.html >. (Accessed: July 26, 2010).	Provides an inventory of U.S. GHGs (sources and sinks) used for climate change analysis.	Yes	No
NHTSA-2011-0056-0827.1	American Lung Association and Environmental Defense Fund	Fingar, T. 2008. National Intelligence Assessment on the National Security Implications of Global Climate Change to 2030. Testimony to the House Permanent Select Committee on Intelligence and House Select Committee on Energy Independence and Global Warming. National Intelligence Council. June 25, 2008.	Examines the national security implications of climate change.	No	No
NHTSA-2011-0056-0827.1	American Lung Association and Environmental Defense Fund	Center for American Progress. 2009. Securing America's future: Enhancing our national security by reducing oil dependence and environmental damage. <i>Available at:</i> < http://www.americanprogress.org/issues/2009/08/securing_future.html >. (Accessed: July 26, 2010).	Analyzes the ACESA and how it will help reduce U.S. dependence on foreign oil.	No	No
NHTSA-2011-0056-0827.1	American Lung Association and Environmental Defense Fund	Walsh, M. P. 2010. Declaration of Michael P. Walsh, at 2, Oct. 29, 2010.	<i>Note: Could not locate article.</i>		

Table C-1. Sources Identified in Scoping Comments (continued)

Comment No. (EIS Docket No.)	Name of Commenter	Full Title and Citation of Source With a Link if Available	Issue Addressed by Source	Peer Reviewed? (Yes/No)	Included in the IPCC Fourth Assessment Report? (Yes/No)
NHTSA-2011-0056-0827.1	American Lung Association and Environmental Defense Fund	EIA (U.S. Energy Information Administration). 2010. Annual Energy Outlook 2010. U.S. Department of Energy. Washington, D.C. DOE/EIA-0383ER(2010). Available at: < http://www.eia.doe.gov/oiaf/aeo/pdf/0383(2010).pdf >. (Accessed: July 26, 2010).	Focuses on U.S. energy markets and the economic recovery.	Yes	No
NHTSA-2011-0056-0827.1	American Lung Association and Environmental Defense Fund	NAS (National Academy of Sciences). 2010. Vehicle Technologies for Reducing Load-Specific Fuel Consumption. Chapter 5 in: Technologies and Approaches to Reducing the Fuel Consumption of Medium- and Heavy-Duty Vehicles. Committee to Assess Fuel Economy Technologies for Medium-and Heavy-Duty Vehicles. National Academies Press: Washington, D.C. 251 pgs.	Overview of the available technologies that can be used to reduce fuel consumption in medium- and heavy-duty vehicles.	Yes	No
NHTSA-2011-0056-0827.1	American Lung Association and Environmental Defense Fund	EPA (U.S. Environmental Protection Agency). 2011. What SmartWay Can Do For You: Idling Reduction. Available at: < http://www.epa.gov/smartwaylogistics/transport/what-smartway/idling-reduction.htm >. (Accessed: July 26, 2010).	Provides strategies/technologies to reduce idling of vehicles.	Yes	No

Table C-1. Sources Identified in Scoping Comments (continued)

Comment No. (EIS Docket No.)	Name of Commenter	Full Title and Citation of Source With a Link if Available	Issue Addressed by Source	Peer Reviewed? (Yes/No)	Included in the IPCC Fourth Assessment Report? (Yes/No)
NHTSA-2011-0056-0827.1	American Lung Association and Environmental Defense Fund	CARB (California Air Resources Board). 2005. Staff Report: Initial Statement of Reasons Notice of Public Hearing to Consider Requirements to Reduce Idling Emissions from New and In-Use Trucks: Beginning in 2008. Table 3 and Table 5: page 44. <i>Available at:</i> < http://www.arb.ca.gov/regact/hdvidle/isor.pdf >. (Accessed: July 26, 2010).	Evaluates the ability to reduce emissions generated from idling for trucks.	No	No
NHTSA-2011-0056-0827.1	American Lung Association and Environmental Defense Fund	CARB (California Air Resources Board). 2009. Idle Reduction Technologies for Sleeper Berth Trucks. <i>Available at:</i> < http://www.arb.ca.gov/msprog/cabcomfort/cabcomfort.htm >. (Accessed: July 26, 2011).	According to a California State regulation, sleeper berth vehicles cannot idle for more than 5 minutes when stopped within California borders; this includes periods of rest and sleep.	Yes	No
NHTSA-2011-0056-0827.1	American Lung Association and Environmental Defense Fund	NAS (National Academy of Sciences). 2010. Vehicle Technologies for Reducing Load-Specific Fuel Consumption. Chapter 5 in: Technologies and Approaches to Reducing the Fuel Consumption of Medium- and Heavy-Duty Vehicles. Committee to Assess Fuel Economy Technologies for Medium-and Heavy-Duty Vehicles. National Academies Press: Washington, D.C. 251 pgs.	Overview of the available technologies that can be used to reduce fuel consumption in medium- and heavy-duty vehicles	Yes	No

Table C-1. Sources Identified in Scoping Comments (continued)

Comment No. (EIS Docket No.)	Name of Commenter	Full Title and Citation of Source With a Link if Available	Issue Addressed by Source	Peer Reviewed? (Yes/No)	Included in the IPCC Fourth Assessment Report? (Yes/No)
NHTSA-2011-0056-0827.1	American Lung Association and Environmental Defense Fund	Clark, N., G. Thompson, and O. Delgado. 2009. Modeling Heavy-duty Vehicle Fuel Economy Based on Cycle Properties: West Virginia University. <i>Available at</i> : < http://www.theicct.org/pubs/WVU_Final_Report_ICCT.pdf >. (Accessed: July 26, 2010).	Examines a methodology developed by the West Virginia Center for Clean Fuels, Technologies, and Vehicles that predicts heavy-duty fuel economy.	Yes	No
NHTSA-2011-0056-0827.1	American Lung Association and Environmental Defense Fund	Stern, N. 2006. The Economics of Climate Change: the Stern Review. United Kingdom Cabinet Office.	Analyzes the expected outcomes of increased global temperatures and other climate change effects in relation to economic impacts.	Yes	Yes
NHTSA-2011-0056-0827.1	American Lung Association and Environmental Defense Fund	EPA (U.S. Environmental Protection Agency). 2008. Technical Support Document on Benefits of Reducing GHG Emissions. U.S. EPA, Washington, D.C.	Provides data on the benefits of reducing GHG emissions.	Yes	No
NHTSA-2011-0056-0827.1	American Lung Association and Environmental Defense Fund	U.S. OMB (Office of Management and Budget). 2003. Circular A-4, 26. Office of Management and Budget, Washington, D.C.	Guidance to federal agencies on the development of regulatory analysis as required under Section 6(a)(3)(c) of Executive Order 12866, <i>Regulatory Planning and Review</i> , the Regulatory Right-to-Know Act, and a variety of related authorities.	No	No
NHTSA-2011-0056-0827.1	American Lung Association and Environmental Defense Fund	EPA (U.S. Environmental Protection Agency). 2006. Air Quality Criteria for Ozone and Related Photochemical Oxidants (2006 Final). U.S. Environmental Protection Agency, Washington, DC.	Provides air quality criteria for ozone and photochemical oxidants.	Yes	No

Table C-1. Sources Identified in Scoping Comments (continued)

Comment No. (EIS Docket No.)	Name of Commenter	Full Title and Citation of Source With a Link if Available	Issue Addressed by Source	Peer Reviewed? (Yes/No)	Included in the IPCC Fourth Assessment Report? (Yes/No)
NHTSA-2011-0056-0827.1	American Lung Association and Environmental Defense Fund	NIC (National Intelligence Council). 2008. Global Trends 2025: A Transformed World. U.S. Government Printing Office, Washington, D.C. Available at: < www.dni.gov/nic/NIC_2025_project.html >. (Accessed: July 26, 2010).	Evaluates the international economic trends expected by 2025.	No	No
NHTSA-2011-0056-0827.1	American Lung Association and Environmental Defense Fund	Broder, J.M. 2009. Climate Change Seen as Threat to U.S. Security. <i>New York Times</i> . Aug. 9, 2009. A1.	News article on the national security implications of climate change.	No	No
NHTSA-2011-0056-0827.5	Environmental Defense Fund	Leiby, Paul N. Oak Ridge National Laboratory. 2007. Estimating the Energy Security Benefits of Reduced U.S. Oil Imports. Available at: < http://www.epa.gov/otaq/renewablefuels/ornl-tm-2007-028.pdf >. (Accessed: July 26, 2010).	Examines the Oak Ridge National Laboratory data on potential benefits to U.S. energy security from reducing oil consumption and foreign imports.	Yes	No
NHTSA-2011-0056-0827.5	Environmental Defense Fund	EPA (U.S. Environmental Protection Agency). 2008. Technical Support Document on Benefits of Reducing GHG Emissions. U.S. EPA, Washington, D.C.	Provides data on the benefits of reducing GHG emissions.	Yes	No
NHTSA-2011-0056-0827.5	Environmental Defense Fund	Laden, F., J. Schwartz, F. E. Speizer, and D. W. Dockery. 2006. Reduction in Fine Particulate Air Pollution and Mortality: Extended Follow-up of the Harvard Six Cities Study. <i>American Journal of Respiratory and Critical Care Medicine</i> 173(6):667–672.	Analysis of the association between fine particulate matter (equal to or less than 2.5 microns in diameter) concentrations and cardiovascular and lung cancer mortality.	Yes	No

Table C-1. Sources Identified in Scoping Comments (continued)

Comment No. (EIS Docket No.)	Name of Commenter	Full Title and Citation of Source With a Link if Available	Issue Addressed by Source	Peer Reviewed? (Yes/No)	Included in the IPCC Fourth Assessment Report? (Yes/No)
NHTSA-2011-0056-0827.5	Environmental Defense Fund	Pope III, C. A., R. T. Burnet, M. J. Thun, E. E. Calle, D. Krewski, K. Ito, and G. D. Thurston. 2002. Lung Cancer, Cardiopulmonary Mortality, and Long-Term Exposure to Fine Particulate Air Pollution. <i>Journal of the American Medical Association</i> 287:1132–1141. doi: 10.1001/jama.287.9.1132.	Analysis of the association between fine particulate matter (equal to or less than 2.5 microns in diameter) concentrations and cardiovascular and lung cancer mortality.	Yes	No
NHTSA-2011-0056-0827.5	Environmental Defense Fund	EPA (U.S. Environmental Protection Agency). 2009. Draft Regulatory Impact Analysis: Changes to Renewable Fuel Standard Program.	Focuses on renewable fuel production and consumption and the goals/impact of the new renewable fuel standard.	No	No
NHTSA-2011-0056-0827.5	Environmental Defense Fund	Stern, N. 2006. The Economics of Climate Change: the Stern Review. United Kingdom Cabinet Office.	Analyzes the expected outcomes of increased global temperatures and other climate change effects in relation to economic impacts.	Yes	Yes
NHTSA-2011-0056-0827.5	Environmental Defense Fund	U.S. OMB (Office of Management and Budget). 2003. Circular A-4, 26. Office of Management and Budget, Washington, D.C.	Provides guidance to federal agencies on the development of regulatory analysis as required under Section 6(a)(3)(c) of Executive Order 12866, <i>Regulatory Planning and Review</i> , the Regulatory Right-to-Know Act, and a variety of related authorities.	No	No
NHTSA-2011-0056-0775.2	Center for Biological Diversity	California Energy Commission. 2011. Climate Action Team Reports. California Climate Change Portal. Available at: < http://www.climatechange.ca.gov/climate_action_team/reports/ >. (Accessed: July 26, 2010).	Presents data and reports from the California Climate Action Team.	No	No

Table C-1. Sources Identified in Scoping Comments (continued)

Comment No. (EIS Docket No.)	Name of Commenter	Full Title and Citation of Source With a Link if Available	Issue Addressed by Source	Peer Reviewed? (Yes/No)	Included in the IPCC Fourth Assessment Report? (Yes/No)
NHTSA-2011-0056-0775.2	Center for Biological Diversity	Climate Impacts Group. 2007. The Washington Climate Change Impacts Assessment. <i>Available at:</i> < http://cses.washington.edu/cig/res/ia/waccia.shtml >. (Accessed: July 26, 2010).	Assesses climate change impacts on Washington State.	No	No
NHTSA-2011-0056-0775.2	Center for Biological Diversity	Frumhoff, P.C., J.J. McCarthy, J.M. Melillo, S.C. Moser, and D.J. Wuebbles. 2007. Confronting Climate Change in the U.S. Northeast: Science, Impacts, and Solutions. Synthesis report of the Northeast Climate Impacts Assessment (NECIA). Union of Concerned Scientists (UCS): Cambridge, MA. <i>Available at:</i> < http://www.northeastclimateimpacts.org/pdf/confronting-climate-change-in-the-u-s-northeast.pdf >. (Accessed: July 26, 2010).	Assesses climate change and associated impacts on key climate-sensitive sectors in the northeastern United States.	No	No
NHTSA-2011-0056-2064-A1	The Aluminum Association, Inc.	Dubreuil, A., L. Bushi, S. Das, A. Tharumarajah, X. Gong. 2010. A Comparative Life Cycle Assessment of Magnesium Front End Autoparts. Presented at SAE 2010 World Congress and Exhibition, April.	Presents a life-cycle cost assessment study comparing the energy and potential environmental impacts of advanced magnesium-based front-end parts of a North American-built 2007 GM-Cadillac CTS with the standard carbon steel based design.	No	No

Table C-1. Sources Identified in Scoping Comments (continued)

Comment No. (EIS Docket No.)	Name of Commenter	Full Title and Citation of Source With a Link if Available	Issue Addressed by Source	Peer Reviewed? (Yes/No)	Included in the IPCC Fourth Assessment Report? (Yes/No)
NHTSA-2011-0056-2065-A1	TIAX, LLC	Chan, M. and M.D. Jackson. 2011. Comparing the Benefits of Clean Car Regulations: For the American Lung Association in California. TIAX, LLC. May 4, 2011. Available at: < http://www.lungusa.org/associations/states/california/assets/pdfs/advocacy/clean-cars-campaign/tiax-slides-comparing-the.pdf >. (Accessed: July 26, 2010).	Completed analysis for California's Air Resources Board action to set tighter criteria and CO ₂ tailpipe standards for MY 2017–2025 light-duty vehicles.	No	No
NHTSA-2011-0056-2065-A1	TIAX, LLC	Greenwald, P. 2011. SCAQMD Zero Emission Transportation Technology Forum and Roundtable Discussion: The Need for Zero Emission Technologies. South Coast Air Quality Management District. April 20, 2011. Available at: < http://www.aqmd.gov/tao/ConferencesWorkshops/ZeroEmissionForum/Peter_Greenwald.pdf >. (Accessed: July 26, 2010).	Provides information regarding air quality standards and emissions reduction efforts in the South Coast Air Basin.	No	No
NHTSA-2011-0056-10306-comments_003134	National Wildlife Federation Action Fund	GCRP (U.S. Global Change Research Program). Available at: < http://www.globalchange.gov/usimpacts >. (Accessed: July 26, 2010).	Links to publications and assessments by the GCRP. Previous assessments from 2000 (The First National Assessment) and 2009 (Global Climate Change Impacts in the United States).	No	No

Table C-1. Sources Identified in Scoping Comments (continued)

Comment No. (EIS Docket No.)	Name of Commenter	Full Title and Citation of Source With a Link if Available	Issue Addressed by Source	Peer Reviewed? (Yes/No)	Included in the IPCC Fourth Assessment Report? (Yes/No)
NHTSA-2011-0056-10306-comments_003134	National Wildlife Federation Action Fund	MEA (Millennium Ecosystem Assessment). 2005. Summary for decision makers. In: Ecosystems and Human Well-being: Synthesis, 1-24. Island Press: Washington, D.C. Available at: < http://www.millenniumassessment.org/documents/document.356.aspx >. (Accessed: July 26, 2010).	Assesses the consequences of ecosystem change for human wellbeing and to establish the scientific basis for actions needed to enhance the conservation and sustainable use of ecosystems and their contributions to human wellbeing.	Yes	Yes
CBD MDHD FEIS comments	Center for Biological Diversity	Ackerman, F. and E. A. Stanton. 2011. Climate Risks and Carbon Prices: Revising the Social Cost of Carbon. Available at: < http://sei-us.org/Publications_PDF/SEI-Climate-Risks-Carbon-Prices-2011-full.pdf >. (Accessed: July 26, 2011).	Argues that the figure the U.S. government has used since 2010 of \$21 per ton of CO ₂ is based on flawed methodologies and understates the potential impact and uncertainty of climate change. Concludes that the U.S. government would do better to set an emission reduction target, find the least-cost ways to achieve it, and price carbon accordingly.	Yes	No
CBD MDHD FEIS comments	Center for Biological Diversity	Bentham Open. 2011. The Open Atmospheric Science Journal. Available at: < http://www.benthamscience.com/open/toascj/MSandI.htm >. (Accessed: July 26, 2011).	Peer reviewed open access online journal, which publishes research articles, reviews and letters in the field of atmospheric science, aiming at providing the most complete and reliable source of information on current developments in the field	Yes	No
CBD MDHD FEIS comments	Center for Biological Diversity	AMAP (Arctic Monitoring and Assessment Programme). 2011. Snow, Water, Ice and Permafrost in the Arctic. Available at: < http://www.amap.no/swipa/ >. (Accessed: July 26, 2011).	Updates the findings from the Arctic Climate Impact Assessment and provides more in-depth coverage of issues related to the Arctic cryosphere.	Yes	No

Table C-1. Sources Identified in Scoping Comments (continued)

Comment No. (EIS Docket No.)	Name of Commenter	Full Title and Citation of Source With a Link if Available	Issue Addressed by Source	Peer Reviewed? (Yes/No)	Included in the IPCC Fourth Assessment Report? (Yes/No)
CBD MDHD FEIS comments	Center for Biological Diversity	Ericksen, P., P. Thornton, A. Notenbaert, L. Cramer, P. Jones, M. Herrero. 2011. Mapping Hotspots of Climate Change and Food Insecurity in the Global Tropics. <i>Climate Change, Agriculture, and Food Security (CCAFS) Report No. 5</i> . Available at: < http://ccafs.cgiar.org/resources/climate_hotspots >. (Accessed: July 26, 2011).	Identifies areas that are food insecure and vulnerable to the impacts of future climate change, across the priority regions for the CGIAR Centers. Vulnerability was assessed using a domain approach based on the IPCC framework of vulnerability as a function of exposure, sensitivity, and coping capacity.	Yes	No
CBD MDHD FEIS comments	Center for Biological Diversity	Gardner, A.S., G. Moholdt, B. Wouters, G.J. Wolken, D.O. Burgess, M.J. Sharp, J.G. Cogley, C. Braun, C. Labine. 2011. Sharply increased mass loss from glaciers and ice caps in the Canadian Arctic Archipelago. <i>Nature</i> 473(7347):357-60. doi: 10.1038/nature10089. Available at: < http://www.nature.com/nature/journal/v473/n7347/full/nature10089.html >. (Accessed: July 26, 2010).	Argues that mountain glaciers and ice caps are contributing significantly to present rates of sea-level rise and will continue to do so over the next century and beyond.	Yes	No

Table C-1. Sources Identified in Scoping Comments (continued)

Comment No. (EIS Docket No.)	Name of Commenter	Full Title and Citation of Source With a Link if Available	Issue Addressed by Source	Peer Reviewed? (Yes/No)	Included in the IPCC Fourth Assessment Report? (Yes/No)
CBD MDHD FEIS comments	Center for Biological Diversity	Jacobs, S. S., A. Jenkins, C. F. Giulivi, and P. Dutrieux. 2011. Stronger ocean circulation and increased melting under Pine Island Glacier ice shelf. <i>Nature Geoscience</i> (advance online publication). doi:10.1038/ngeo1188. Available at: < http://www.nature.com/ngeo/journal/vaop/ncurrent/full/ngeo1188.html#access >. (Accessed: July 26, 2011).	Examines and combines earlier data with measurements taken in 2009 to show that the temperature and volume of deep water in Pine Island Bay have increased. Concludes that the basal melting has exceeded the increase in ice inflow, leading to the formation and enlargement of an inner cavity under the ice shelf within which sea water nearly 4 °C (7.2 °F) above freezing can now more readily access the grounding zone.	Yes	No
CBD MDHD FEIS comments	Center for Biological Diversity	Kemp, A., B. Horton, J. Donnelly, M. Mann, M. Vermeer, S. Rahmstorf. 2011. Climate Related Sea-Level Variations Over the Past Two Millennia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> 108(27):11017-11022. Available at: < http://www.pnas.org/content/early/2011/06/13/1015619108.full.pdf?with-ds=yes >. (Accessed: July 25, 2011).	Presents new sea-level reconstructions for the past 2100 years based on salt-marsh sedimentary sequences from the U.S. Atlantic coast.	Yes	No
CBD MDHD FEIS comments	Center for Biological Diversity	Lazo, K., M. Lawson, P. Larsen, D. Waldman. 2011. US Economic Sensitivity to Weather Variability. <i>American Meteorological Society</i> doi:10.1175/2011BAMS2928.1. Available at: < http://www.sip.ucar.edu/publications/PDF/Lazo_sensitivity_June_2011.pdf >. (Accessed: July 25, 2011).	Finds that interannual aggregate dollar variation in U.S. economic activity that is attributable to weather variability could be 3.4 percent, or \$485 billion of 2008 Gross Domestic Product.	Yes	No

Table C-1. Sources Identified in Scoping Comments (continued)

Comment No. (EIS Docket No.)	Name of Commenter	Full Title and Citation of Source With a Link if Available	Issue Addressed by Source	Peer Reviewed? (Yes/No)	Included in the IPCC Fourth Assessment Report? (Yes/No)
CBD MDHD FEIS comments	Center for Biological Diversity	Maclean, I. and R. Wilson. 2011. Recent Ecological Responses to Climate Change Support Predictions of High Extinction Risk. <i>Proceedings of the National Academy of Sciences of the United States of America</i> 108(30):12337-12342. doi:10.1073/pnas.1017352108. Available at: < http://www.pnas.org/content/early/2011/07/06/1017352108.abstract > . (Accessed: July 25, 2011).	Provides empirical support for the assertion that anthropogenic climate change is now a major threat to global biodiversity.	Yes	No
CBD MDHD FEIS comments	Center for Biological Diversity	NOAA (National Oceanic and Atmospheric Administration). 2011. Major Flooding on the Mississippi River Predicted to Cause Largest Gulf of Mexico Dead Zone Ever Recorded. Available at: < http://www.noaa.gov/stories/2011/20110614_deadzone.html >. (Accessed: July 25, 2011).	Reports on recent findings from a team of National Oceanic and Atmospheric Administration-supported scientists examining Mississippi River nutrient inputs compiled annually by the U.S. Geological Survey.	No	No
CBD MDHD FEIS comments	Center for Biological Diversity	NOAA (National Oceanic and Atmospheric Administration). 2011. Spring 2011 US Climate Extremes. Available at: < http://www.ncdc.noaa.gov/special-reports/2011-spring-extremes/index.php >. (Accessed: July 25, 2011).	Describes extreme weather events occurring in Spring 2011.	No	No

Table C-1. Sources Identified in Scoping Comments (continued)

Comment No. (EIS Docket No.)	Name of Commenter	Full Title and Citation of Source With a Link if Available	Issue Addressed by Source	Peer Reviewed? (Yes/No)	Included in the IPCC Fourth Assessment Report? (Yes/No)
CBD MDHD FEIS comments	Center for Biological Diversity	NWF (National Wildlife Federation). 2011. More Extreme Weather and the US Energy Infrastructure. <i>Available at:</i> < http://www.nwf.org/Global-Warming/What-is-Global-Warming/Global-Warming-is-Causing-Extreme-Weather/Energy-Infrastructure.aspx > (Accessed: July 25, 2011).	Describes effects of extreme weather on U.S. energy infrastructure.	No	No
CBD MDHD FEIS comments	Center for Biological Diversity	Rogers, A. and D. Laffoley. 2011. International Easth System Expert Workshop on Ocean Stresses and Impacts. <i>Available at:</i> < http://www.stateoftheocean.org/ipso-2011-workshop-summary.cfm > (Accessed: July 25, 2011).	Finds that multiple ocean stresses threaten “globally significant” marine extinction.	No	No
CBD MDHD FEIS comments	Center for Biological Diversity	Sanderson, B., B. O'Neill, J. Kiehl, G. Meehl, R. Knutti, W. Washington. 2011. The Response of the Climate System to Very High GHG Emission Scenarios. <i>Environmental Research Letters</i> 6(2011):034005. doi:10.1088/1748-9326/6/3/034005. <i>Available at:</i> < http://www.iac.ethz.ch/people/knutti/papers/sanderson11erl.pdf > (Accessed: July 25, 2011).	Specifies two illustrative emissions scenarios that are significantly higher than the A1FI scenario, the highest scenario considered in past IPCC reports, and simulates them in a global climate model to investigate their climate change implication.	Yes	No

Table C-1. Sources Identified in Scoping Comments (continued)

Comment No. (EIS Docket No.)	Name of Commenter	Full Title and Citation of Source With a Link if Available	Issue Addressed by Source	Peer Reviewed? (Yes/No)	Included in the IPCC Fourth Assessment Report? (Yes/No)
CBD MDHD FEIS comments	Center for Biological Diversity	Shindell, D., G. Faluvegi, M. Walsh, S. Anenberg, R. Van Dingenen, N. Muller, J. Austin, D. Kock, and G. Milly. 2011. <i>Nature Climate Change</i> 1:59-66. doi:10.1038/nclimate1066. Available at: < http://www.nature.com/nclimate/journal/v1/n1/full/nclimate1066.html > (Accessed: July 25, 2011).	Uses global composition–climate modeling to examine the integrated impacts of adopting stringent European on-road vehicle emission standards for non-CO ₂ air pollutants in 2015 in many developing countries.	Yes	No
CBD MDHD FEIS comments	Center for Biological Diversity	Transportation Research Board for National Academies. 2011. Policy Options for Reducing Energy Use and Greenhouse Gas Emissions From US Transportation. Available at: < http://onlinepubs.trb.org/onlinepubs/sr/sr307.pdf >. (Accessed: July 25, 2011).	Reviews policy options to bring about desired energy consumption and GHG emissions reductions from U.S. transportation over the next half century.	Yes	No
CBD MDHD FEIS comments	Center for Biological Diversity	UNEP (United Nations Environment Programme). 2011. Integrated Assessment of Black Carbon and Tropospheric Ozone: Summary for Decisionmakers. Available at: < http://www.unep.org/publications/contents/pub_details_search.asp?ID=6201 >. (Accessed: July 25, 2011).	Examines all aspects of anthropogenic emissions of black carbon and tropospheric ozone precursors, such as methane. Analyses the trends in emissions of these substances and the drivers of these emissions; summarizes the science of atmospheric processes where these substances are involved; discusses related impacts on the climatic system, human health, crops in vulnerable regions, and ecosystems; and societal responses to the environmental changes caused by those impacts.	No	No

Table C-1. Sources Identified in Scoping Comments (continued)

Comment No. (EIS Docket No.)	Name of Commenter	Full Title and Citation of Source With a Link if Available	Issue Addressed by Source	Peer Reviewed? (Yes/No)	Included in the IPCC Fourth Assessment Report? (Yes/No)
CBD MDHD FEIS comments	Center for Biological Diversity	van Groenigen, K., C. Osenberg, and B. Hungate. 2011. Increased Soil Emissions of Potent GHGs Under Increased Atmospheric Carbon Dioxide. <i>Nature</i> 475:214-216. doi:10.1038/nature10176. Available at: < http://www.nature.com/nature/journal/v475/n7355/full/nature10176.html >. (Accessed: July 25, 2011).	Finds that the capacity of land ecosystems to slow climate warming has been overestimated.	Yes	No

APPENDIX D

Life-cycle Assessment Studies

Table D-1. Studies Analyzed in Chapter 6, Life-cycle Assessment Literature Synthesis

Study Analyzed	Technologies/Materials Covered ^a	Life-cycle Boundaries ^b	Environmental Impacts Estimated ^c
Bandivadekar, A., K. Bodek, L. Cheah, C. Evans, T. Groode, J. Heywood, E. Kasseris, M. Kromer, and M. Weiss. 2008. On the Road in 2035: Reducing Transportation's Petroleum Consumption and GHG Emissions. Massachusetts Institute of Technology.	Lightweighting; vehicle design; engine downsizing; BEVs, fuel-cell vehicles; HSS; aluminum	Cradle to grave	Energy requirements; GHG emissions
Baptista, P., Silva, C., Gonçalves, G., and T. Farias. 2009. Full life cycle analysis of market penetration of electricity based vehicles. EVS24 International Battery, Hybrid and Fuel Cell Electric Vehicle Symposium.	PHEVs; EVs; hydrogen fuel cell hybrids; hydrogen fuel cell plug-in hybrids	Cradle to grave	Energy requirements; GHG emissions; criteria pollutants; particulate matter emissions
Bertram, M., K. Buxmann, and P. Furrer. 2009. Analysis of greenhouse gas emissions related to aluminium transport applications. <i>International Journal of Life Cycle Assessment</i> .	Aluminum; steel; cast iron	Cradle to grave	GHG emissions
Birat, J.P., L. Rocchia, V. Guerin, and M. Tuchman. 2003. Ecodesign of the Automobile, based on steel sustainability. SAE International.	Aluminum; steel; recycling	Cradle to grave	CO ₂ emissions
Boncourt, M. 2011. The Electric Vehicle in the Climate Change Race: Tortoise, Hare, or Both?	Batteries (NiMH, Li-ion, lead-acid, NiCd, Zebra); electric vehicles; drive trains	Not applicable	CO ₂ emissions
Brylawski, M.M., and A.B. Lovins. 1998. Advanced Composites: The Car Is At The Crossroads.	Advanced composites	Not applicable	Energy requirements; fuel use
Caceres, C.H. 2009. Transient environmental effects of light alloy substitutions in transport vehicles. <i>Materials & Design</i> .	Magnesium; aluminum	Alloy production	Recycled materials

Table D-1. Studies Analyzed in Chapter 6, Life-cycle Assessment Literature Synthesis (continued)

Study Analyzed	Technologies/Materials Covered ^a	Life-cycle Boundaries ^b	Environmental Impacts Estimated ^c
Cheah, L. 2010. Cars on a Diet: The Material and Energy Impacts of Passenger Vehicle Weight Reduction in the U.S. Massachusetts Institute of Technology.	Magnesium, aluminum; HSS; polymer composites	Cradle to grave	Recycled materials
Cheah, L., and J. Heywood. 2011. Meeting U.S. passenger vehicle fuel economy standards in 2016 and beyond. <i>Energy Policy</i> .	Lightweighting; HEVs; PHEVs; advanced diesel	Not applicable	None
Cheah, L., Heywood, J., and R. Kirchain. 2009. Aluminum Stock and Flows in U.S. Passenger Vehicles and Implications for Energy Use. <i>Journal of Industrial Ecology</i> .	Aluminum	Not applicable	Energy requirements
Cheah, L., J. Heywood, and R. Kirchain. 2010. The Energy Impact of U.S. Passenger Vehicle Fuel Economy Standards. Massachusetts Institute of Technology.	Batteries (NiMH and Li-ion)	Not applicable	Rare Earth elements
Dhingra, R., J.G. Overly, G.A. Davis, S. Das, S. Hadley, and B. Tonn. 2000. A Life-Cycle-Based Environmental Evaluation: Materials in New Generation Vehicles. SAE International.	Magnesium; aluminum; titanium	Cradle to grave	Energy requirements; GHG emissions; criteria pollutants; solid waste generation
Dubreuil, A., L. Bushi, S. Das, A. Tharumarajah, and G. Xianzheng. 2010. A Comparative Life Cycle Assessment of Magnesium Front End Autoparts. SAE International.	Magnesium; aluminum; steel	Cradle to grave	Energy requirements; GHG emissions; criteria pollutants
Elgowainy, A., J. Han, L. Poch, M. Wang, A. Vyas, M. Mahalik, and A. Rousseau. 2010. Well-to-Wheels Analysis of Energy Use and Greenhouse Gas Emissions of Plug-In Hybrid Electric Vehicles. Argonne National Laboratory.	PHEVs	Cradle to grave	Energy requirements; GHG emissions

Table D-1. Studies Analyzed in Chapter 6, Life-cycle Assessment Literature Synthesis (continued)

Study Analyzed	Technologies/Materials Covered ^a	Life-cycle Boundaries ^b	Environmental Impacts Estimated ^c
Fox, J.W., and D.R. Cramer. 1997. <i>Hypercars: A Market-Oriented Approach to Meeting Lifecycle Environmental Goals.</i>	Lightweighting; HEVs	Not applicable	Energy requirements; CO ₂ emissions; criteria pollutants; particulate matter emissions; recyclability of materials
Gaines, L, J. Sullivan, A. Burnham, and I. Belharouak. 2011. <i>Life-Cycle Analysis for Lithium-Ion Battery Production and Recycling.</i> Argonne National Laboratory.	Batteries (Li-ion)	Cradle to gate	Energy requirements; GHG emissions
Gaines, L., and M. Singh. 1995. <i>Energy and Environmental Impacts of Electric Vehicle Battery Production and Recycling.</i> Argonne National Laboratory.	Batteries (Pb-Acid, Na-S, NiCd, and NiMH)	Not applicable	Energy requirements; CO ₂ ; non-GHG emissions
Gaines, L., and P. Nelson. 2009. <i>Lithium-Ion Batteries: Possible Materials Issues.</i> Argonne National Laboratory.	Batteries (NCA-G, LFP-G, LMO-TiO, LMO-G)	Not applicable	Recycled materials
Geyer, R. 2007. <i>Life Cycle Greenhouse Gas Emission Assessments of Automotive Materials: The Example of Mild Steel, Advanced High Strength Steel and Aluminum in Body in White Applications, Methodology Report.</i> University of California, Santa Barbara.	Aluminium; AHSS; steel	Cradle to gate	GHG emissions
Geyer, R. 2008. <i>Parametric Assessment of Climate Change Impacts of Automotive Material Substitution.</i> <i>Environmental Science Technology.</i>	Lightweighting; aluminum; HSS; steel	Material production and vehicle use stages only	GHG emissions
Gibson, T. 2000. <i>Life Cycle Assessment of Advanced Materials for Automotive Applications.</i> <i>Society of Automotive Engineers, Inc.</i> 109(6): 1932-1941.	Nine advanced and conventional materials including graphite, titanium, steel, aluminum, and carbon composites	Cradle to grave	Energy use; GHG emissions; air emissions including SO _x and NO _x ; water emissions; solid waste; hydrogen fluoride.

Table D-1. Studies Analyzed in Chapter 6, Life-cycle Assessment Literature Synthesis (continued)

Study Analyzed	Technologies/Materials Covered ^a	Life-cycle Boundaries ^b	Environmental Impacts Estimated ^c
Hadley, S. and A. Tsvetkova. 2008. Potential Impacts of Plug-in Hybrid Electric Vehicles on Regional Power Generation. Prepared for the U.S. Department of Energy under contract No. DE-AC05-00OR22725, Oak Ridge National Laboratory, Oak Ridge, TN.	PHEVs; HEVs	Not applicable	Energy use; GHG emissions; air emissions including SO _x and NO _x ; generating capacity.
Hakamada, M., T. Furuta, Y. Chino, Y. Chen, H. Kusuda, and M. Mabuchi. 2007. Life cycle inventory study on magnesium alloy substitution in vehicles. <i>Energy</i> .	Magnesium; steel; aluminum	Cradle to grave	Energy requirements; CO ₂ emissions
Huo, H., Y. Wu, and M. Wang. 2009. Total versus urban: Well-to-wheels assessment of criteria pollutant emissions from various vehicle/fuel systems. <i>Atmospheric Environment</i> .	Vehicle fuel systems (conventional gasoline, conventional diesel, E85 (with corn-based and switchgrass-based ethanol), hybrid electric, all-electric, hydrogen fuel cell)	Cradle to grave	Criteria pollutants
Khanna, V., and B.R. Bakshi. 2009. Carbon Nanofiber Polymer Composites: Evaluation of Life Cycle Energy Use. <i>Environmental Science Technology</i> .	Polymer nanocomposite; CNF and CNF-GF hybrid polymer; Carbon nanofiber-reinforced polymer nanocomposite; carbon nanofiber glass-fiber hybrid PNCs; steel	Cradle to gate and use stage	Energy requirements
Kim, H.J., C. McMillan, G.A. Keoleian, and S.J. Skerlos. 2010. Greenhouse Gas Emissions Payback for Lightweighted Vehicles Using Aluminum and High-Strength Steel. <i>Journal of Industrial Ecology</i> .	Lightweighting; aluminum; HSS	Cradle to grave	GHG emissions
Knittel, C.R. 2009. Automobiles on Steroids: Product Attribute Trade-Offs and Technological Progress in the Automobile Sector.	None	Not applicable	None

Table D-1. Studies Analyzed in Chapter 6, Life-cycle Assessment Literature Synthesis (continued)

Study Analyzed	Technologies/Materials Covered ^a	Life-cycle Boundaries ^b	Environmental Impacts Estimated ^c
Lloyd, S.M., and L.B. Lave. 2003. Life Cycle Economic and Environmental Implications of Using Nanocomposites in Automobiles. <i>Environmental Science Technology</i> .	Steel; aluminum; clay-polypropylene nanocomposite	Cradle to gate	Energy requirements; GHG emissions; criteria air pollutants; fuel/electricity use; resource depletion; water use; hazardous waste generation; toxic releases
Lotus Engineering. 2010. An Assessment of Mass Reduction Opportunities for a 2017 - 2020 Model Year Vehicle Program. International Council on Clean Transportation.	Vehicle design	Not applicable	None
Macleon, H.L., and L.B. Lave. 2003. Life Cycle Assessment of Automobile/Fuel Options. <i>Environmental Science Technology</i> .	Gasoline ICEs; diesel ICEs; BEVs; HEVs; ethanol ICEs; hydrogen fuel cell ICEs	Cradle to gate and use stage for vehicle; cradle to grave for fuels	Energy requirements; GHG emissions
Majeau-Bettez, G., T. R. Hawkins, and A.H. Strømman. 2011. Life Cycle Environmental Assessment of Lithium-Ion and Nickel Metal Hydride Batteries for Plug-In Hybrid and Battery Electric Vehicles. <i>Environmental Science and Technology</i> .	Batteries (NiMH and Li-ion)	Cradle to gate	Global warming potential; fuel use; resource depletion; freshwater and marine ecotoxicity; freshwater and marine eutrophication; ozone depletion; metal depletion; particulate matter emissions; terrestrial acidification; human toxicity
Markel, T., K. Smith, and A. Pesaran. 2008. PHEV Energy Storage Performance/Life/Cost Trade-off Analysis. National Renewable Energy Laboratory.	PHEV batteries	Not applicable	None
National Academy of Engineering and National Research Council. 2010. America's Energy Future Energy Efficiency Technologies Subcommittee; National Academy of Sciences. Real Prospects for Energy Efficiency in the United States. The National Academic Press.	Lightweighting; vehicle design	Not applicable	Energy requirements; GHG emissions

Table D-1. Studies Analyzed in Chapter 6, Life-cycle Assessment Literature Synthesis (continued)

Study Analyzed	Technologies/Materials Covered ^a	Life-cycle Boundaries ^b	Environmental Impacts Estimated ^c
Notter, D.A., M. Gauch, R. Widmer, P. Wager, A. Stamp, R. Zah, and H.J. Althaus. 2010. Contribution of Li-Ion Batteries to the Environmental Impact of Electric Vehicles. <i>Environmental Science Technology</i> .	Batteries (Li-ion)	Cradle to grave	Energy requirements; GHG emissions/global warming potential; criteria air pollutants; resource depletion; Ecoindicator 99
Overly, J.G., R. Dhingra, G.A. Davis, and S. Das. 2002. Environmental Evaluation of Lightweight Exterior Body Panels in New Generation Vehicles. SAE International.	Aluminum; carbon-fiber-reinforced polymer; glass-fiber-reinforced polymer	Cradle to grave	CO ₂ emissions; particulate matter emissions; eutrophication; photochemical smog; solid and hazardous waste generation; water quality
Patterson, J., Alexander, M., and A. Gurr. 2011. Preparing for a Life Cycle CO ₂ Measure. Ricardo Low Carbon Vehicle Partnership.	Gasoline vehicles, diesel vehicles; PHEVs; EREVs; electric vehicles; fuel-cell vehicles	Not applicable	GHG emissions
Samaras, C., and K. Meisterling. 2008. Life Cycle Assessment of Greenhouse Gas Emissions from Plug-in Hybrid Vehicles: Implications for Policy. <i>Environmental Science Technology</i> .	Batteries (NiMH and Li-ion)	Cradle to gate	Energy requirements; GHG emissions
Schexnayder, S.M., S. Das, R. Dhingra, J.G. Overly, B.E. Tonn, J.H. Peretz, G. Waidley, and G.A. Davis. 2001. Environmental Evaluation of New Generation Vehicles and Vehicle Components. Oak Ridge National Laboratory.	Batteries (NiMh and Li-ion); hydrogen fuel cell vehicles	Cradle to grave	Energy requirements; GHG emissions; solid and hazardous waste generation; water quality
Shulock, C., E. Pike., A. Lloyd, and R. Rose. 2011. Vehicle Electrification Policy Study. Task 1 Report: Technology Status. ICCT (International Council on Clean Transportation): Brussels, Belgium; Washington, DC and San Francisco, CA, USA.	BEVs; FCEVs	Well to wheels; well to tank	GHG emissions, criteria pollutant emissions; water pollution; water consumption; waste

Table D-1. Studies Analyzed in Chapter 6, Life-cycle Assessment Literature Synthesis (continued)

Study Analyzed	Technologies/Materials Covered ^a	Life-cycle Boundaries ^b	Environmental Impacts Estimated ^c
Sivertsen, L.K., J.O. Haagenen, and D. Albright. 2003. A Review of the Life Cycle Environmental Performance of Automotive Magnesium. SAE International.	Magnesium; aluminum	Cradle to grave	Recycled materials
Smith, V.M., D.L. Gard, and G.A. Keoleian. 2002. Ultra Light Steel Auto Body - Advanced Vehicle Concepts Life Cycle Inventory Study, Final Report. University of Michigan Center for Sustainable Systems.	Lightweighting; steel; ultra-light steel	Cradle to grave	Energy requirements; GHG emissions; criteria pollutants; solid waste generation
Smith, V.M., R.A. Williams, and S.T. Chubbs. 2003. Life Cycle Inventory Study of the UltraLight Steel Auto Body - Advanced Vehicle Concepts Vehicle Product System. University of Michigan Center for Sustainable Systems. SAE International.	Steel; iron; non-ferrous metals; fluids	Cradle to gate and use stage	Energy requirements; GHG emissions; criteria pollutants; resource depletion; solid waste generation
Stodolsky, F., Vyas, A., Cuenca, R., and L. Gaines. 1995. Life-cycle Energy Savings Potential from Aluminum-Intensive Vehicles. Argonne National Laboratory.	Lightweighting; aluminum; recycling technology	Cradle to grave	Energy requirements; fuel use
Sullivan, J., A. Burnham, and M. Wang. 2010. Energy-Consumption and Carbon-Emission Analysis of Vehicle and Component Manufacturing. Argonne National Laboratory.	Aluminum; steel; iron; plastics; polymer; brass; copper; lead	Gate to gate	None
Sullivan, J.L., and L. Gaines. 2010. A Review of Battery Life-cycle Analysis: State of Knowledge and Critical Needs. Argonne National Laboratory.	Batteries (lead-acid, NiMH, NiCd, Na-S, and Li-ion)	Cradle to gate	Energy requirements; GHG emissions; criteria air pollutants; other emissions; solid waste generation
Taub, A.I. 2006. Automotive Materials: Technology Trends and Challenges in the 21st Century. MRS Bulletin.	Magnesium; steel; aluminum; HSS; plastics	Not applicable	GHG emissions

Table D-1. Studies Analyzed in Chapter 6, Life-cycle Assessment Literature Synthesis (continued)

Study Analyzed	Technologies/Materials Covered ^a	Life-cycle Boundaries ^b	Environmental Impacts Estimated ^c
Tharumarajah, A., and P. Koltun. 2007. Is there an environmental advantage of using magnesium components for light-weighting cars? <i>Journal of Cleaner Production</i> .	Lightweighting; magnesium; aluminum; magnesium casting	Cradle to grave	GHG emissions
Ungurean, C.A., and S. Das. 2007. Development of a sustainability scoring method for manufactured automotive products: a case study of auto body panels. ASME International Mechanical Engineering Congress and Exposition.	Aluminum; steel alloy	Not applicable	CO ₂ emissions
Weiss, M.A., J.B. Heywood, E.M. Drake, A. Schafer, and F.F. AuYeung. 2000. On the Road in 2020: A life-cycle analysis of new automobile technologies. Massachusetts Institute of Technology.	Lightweighting; HEVs; BEVs; fuel cells; HSS; aluminum; plastics; alternative fuels	Cradle to grave	Energy requirements; GHG emissions
Zackrisson, M., L: Avellán, and J. Orlenus. 2010. Life cycle assessment of lithium-ion batteries for plug-in hybrid electric vehicles – Critical issues. <i>Journal of Cleaner Production</i> .	Batteries (Li-ion)	Cradle to gate; also battery recycling	Global warming potential; eutrophication; ozone depletion; acidification; photochemical smog

- a. AHHS = advanced high strength steel; BEV = battery electric vehicle; CNF = carbon nanofiber; CNF-GF = carbon nanofiber-glass fiber; EREV = extended range electric vehicle; FCEV = fuel cell electric vehicle; HSS = high strength steel; ICE = internal combustion engine; LFP-G = phosphate-graphite; Li-ion = lithium-ion; LMO-G = lithium, manganese, and oxygen-graphite; LMO-TiO = lithium, manganese, and oxygen-titanium and oxygen; Na-S = sodium-sulfur; NCA-G = nickel, cobalt, and aluminum-graphite; NiCd = nickel-cadmium; NiMH = nickel-metal hydride; PHEV = plug-in hybrid electric vehicle.
- b. Cradle to gate = assessment of a partial product life cycle that includes the raw material extraction and manufacturing stages, and transportation between these stages; cradle to grave = life-cycle assessment that includes all five stages of a product's life cycle (i.e., raw material extraction, manufacturing, vehicle use, end-of-life management, and transportation between the various stages); gate to gate = assessment of a partial product life-cycle that includes only the manufacturing stage.
- c. CO₂ = carbon dioxide; GHG = greenhouse gas.

