

Chapter 11 Index

25 Percent Above Optimized Alternative, 2-10, 2-11, 2-12, 2-13, 2-17, 2-18, 2-19, 2-20, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26, 2-27, 2-28, 2-31, 2-32, 2-33, 2-35, 3-9, 3-10, 3-11, 3-31, 3-32, 3-33, 3-34, 3-37, 3-38, 3-40, 3-41, 3-43, 3-44, 3-47, 3-48, 3-49, 3-50, 3-53, 3-54, 3-55, 3-56, 3-85, 3-95, 3-101, 3-104, 3-107, 4-6, 4-7, 4-10, 4-11, 4-13, 4-14, 4-15, 4-16, 4-18, 4-19, 4-23, 4-24, 4-25, 4-26, 4-27, 4-28, 4-29, 4-30, 4-31, 4-54, 4-58, 4-64, 4-72

25 Percent Below Optimized Alternative, 2-10, 2-11, 2-12, 2-17, 2-18, 2-19, 2-20, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26, 2-27, 2-28, 2-31, 2-32, 2-33, 2-35, 3-9, 3-10, 3-11, 3-31, 3-32, 3-33, 3-34, 3-35, 3-37, 3-38, 3-39, 3-40, 3-41, 3-43, 3-47, 3-48, 3-49, 3-50, 3-51, 3-52, 3-53, 3-54, 3-85, 3-87, 3-88, 3-95, 3-101, 3-104, 3-107, 4-6, 4-7, 4-10, 4-11, 4-13, 4-14, 4-15, 4-16, 4-17, 4-23, 4-24, 4-25, 4-26, 4-27, 4-28, 4-29, 4-54, 4-58, 4-60, 4-64, 4-72

50 Percent Above Optimized Alternative, 2-10, 2-11, 2-13, 2-17, 2-18, 2-19, 2-20, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26, 2-27, 2-28, 2-31, 2-32, 2-33, 2-35, 3-9, 3-10, 3-11, 3-31, 3-32, 3-33, 3-34, 3-35, 3-37, 3-38, 3-40, 3-41, 3-44, 3-45, 3-47, 3-48, 3-49, 3-50, 3-53, 3-54, 3-56, 3-57, 3-85, 3-87, 3-88, 3-95, 3-101, 3-104, 3-107, 4-6, 4-7, 4-10, 4-11, 4-13, 4-14, 4-15, 4-16, 4-19, 4-20, 4-23, 4-24, 4-25, 4-26, 4-27, 4-28, 4-31, 4-32, 4-54, 4-58, 4-64, 4-72

acid rain, 3-15, 3-108, 3-110, 3-111, 3-112, 3-113, 3-121

adaptation, 2-8, 3-79, 4-47, 4-75, 4-76, 4-88, 4-91, 4-97, 4-99, 4-104, 4-113, 4-114, 4-115, 4-116, 4-117, 4-118, 4-123, 4-129, 4-132, 4-134, 4-135, 4-136, 4-142, 4-143, 4-149, 4-152

air pollutants, 1-7, 1-13, 2-18, 2-20, 2-26, 3-12, 3-14, 3-19, 3-20, 3-26, 3-28, 3-34, 3-36, 3-39, 3-40, 3-42, 3-43, 3-44, 3-45, 3-46, 3-48, 3-51, 3-52, 3-55, 3-56, 3-57, 3-58, 3-59, 3-60, 3-108, 3-110, 3-111, 3-123, 4-4, 4-12, 4-17, 4-18, 4-19, 4-20, 4-21, 4-22, 4-24, 4-25, 4-29, 4-30, 4-31, 4-32, 4-33, 4-34, 4-35, 4-153, 5-1, 5-2, 6-1

albedo, 3-81, 3-82, 4-50, 4-51

Alliance of Automobile Manufacturers, 1-10, 1-11, 1-16

Alternative Motor Fuels Act (AMFA), 1-15, 3-92

Annual Energy Outlook (AEO), 1-14, 2-4, 3-7, 3-25, 3-59, 3-73, 3-74, 3-88, 3-90, 3-104, 3-105, 4-4, 4-42, 4-43, 4-55, 4-72, 4-73, 4-74

Annual Energy Review (AER), 3-7

atmospheric-ocean general circulation model (AOGCM), 3-71, 3-72, 3-73, 3-100, 3-101, 4-40, 4-42, 4-63

Attorney General, 1-7, 1-8, 1-9, 1-18, 3-92

benthic organisms, 3-111, 3-113, 4-108

biofuel, 1-8, 3-8, 3-88, 3-108, 3-110, 3-111, 3-113, 3-114, 3-115, 3-117, 3-119, 3-120, 3-122, 3-123, 4-4, 4-55

Center for Biological Diversity (CBC), 1-11, 1-16, 1-19

Centers for Disease Control and Prevention (CDC), 1-5

Clean Air Act (CAA), 1-12, 1-13, 1-16, 2-5, 2-18, 2-20, 2-26, 3-12, 3-13, 3-14, 3-16, 3-17, 3-18, 3-22, 3-23, 3-26, 3-27, 3-28, 3-30, 3-46, 4-9, 4-153, 5-2, 6-1

climate change, 1-3, 1-4, 1-7, 1-8, 1-9, 1-11, 1-12, 1-20, 2-16, 3-8, 3-20, 3-61, 3-62, 3-64, 3-66, 3-67, 3-69, 3-70, 3-71, 3-77, 3-78, 3-79, 3-80, 3-82, 3-83, 3-84, 3-89, 3-94, 3-100, 3-108, 3-111, 3-112, 3-117, 3-120, 4-1, 4-36, 4-37, 4-38, 4-39, 4-42, 4-45, 4-46, 4-47, 4-48, 4-50, 4-51, 4-52, 4-56, 4-57, 4-63, 4-75, 4-76, 4-77, 4-78, 4-79, 4-81, 4-82, 4-83, 4-85, 4-86, 4-87, 4-88, 4-89, 4-90, 4-91, 4-95, 4-97, 4-99, 4-100, 4-101, 4-102, 4-103, 4-104, 4-105, 4-106, 4-108, 4-109, 4-110, 4-111, 4-113, 4-114, 4-115, 4-116, 4-117, 4-118, 4-119, 4-120, 4-121, 4-122, 4-123, 4-124, 4-125, 4-126, 4-127, 4-128, 4-129, 4-130, 4-131, 4-132, 4-133, 4-134, 4-135, 4-136, 4-137, 4-138, 4-139, 4-140, 4-141, 4-142, 4-143, 4-144, 4-145, 4-146, 4-147, 4-148, 4-149, 4-150, 4-151, 4-152, 4-153, 4-154, 4-155, 4-157, 6-1

coastal, 3-1, 3-108, 4-2, 4-75, 4-106, 4-107, 4-108, 4-110, 4-114, 4-115, 4-116

Code of Federal Regulations (CFR), 1-1, 1-2, 1-3, 1-9, 1-12, 1-13, 2-1, 2-9, 2-12, 2-15, 2-16, 2-23, 3-2, 3-3, 3-17, 3-18, 3-21, 3-69, 3-76, 3-83, 3-84, 3-89, 3-100, 3-121, 4-1, 4-2, 4-3, 4-9, 4-36, 4-38, 4-43, 4-52, 4-53, 4-56, 4-63, 4-65, 4-77, 4-78, 5-1

cold wave, 3-66, 4-129, 4-144

Corporate Average Fuel Economy (CAFE), 1-1, 1-2, 1-3, 1-4, 1-5, 1-6, 1-7, 1-8, 1-9, 1-10, 1-11, 1-12, 1-13, 1-14, 1-15, 1-16, 1-17, 1-18, 1-19, 1-20, 2-1, 2-2, 2-3, 2-8, 2-9, 2-10, 2-11, 2-12, 2-14, 2-15, 2-16, 2-17, 2-18, 2-19, 2-20, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26, 2-27, 2-28, 2-31, 2-32, 2-33, 3-3, 3-4, 3-5, 3-8, 3-9, 3-10, 3-11, 3-12, 3-16, 3-18, 3-19, 3-20, 3-27, 3-31, 3-32, 3-33, 3-34, 3-35, 3-36, 3-37, 3-38, 3-39, 3-40, 3-41, 3-42, 3-43, 3-44, 3-45, 3-46, 3-47, 3-48, 3-49, 3-50, 3-51, 3-52, 3-53, 3-54, 3-55, 3-56, 3-57, 3-58, 3-61, 3-69, 3-70, 3-71, 3-72, 3-73, 3-74, 3-84, 3-85, 3-86, 3-87, 3-88, 3-89, 3-90, 3-91, 3-92, 3-93, 3-95, 3-98, 3-100, 3-101, 3-104, 3-106, 3-107, 3-108, 3-110, 3-114, 3-115, 3-116, 3-117, 3-120, 3-122, 3-123, 4-4, 4-5, 4-6, 4-7, 4-8, 4-9, 4-10, 4-11, 4-13, 4-14, 4-15, 4-16, 4-17, 4-18, 4-19, 4-20, 4-22, 4-23, 4-24, 4-25, 4-26, 4-27, 4-28, 4-29, 4-30, 4-31, 4-32, 4-33, 4-34, 4-36, 4-37, 4-38, 4-39, 4-40, 4-41, 4-42, 4-52, 4-53, 4-54, 4-55, 4-56, 4-57, 4-58, 4-60, 4-63, 4-64, 4-67, 4-68, 4-69, 4-70, 4-71, 4-72, 4-73, 4-74, 4-75, 4-76, 4-77, 4-78, 4-153, 5-1, 5-2, 6-1, 6-2

Council on Environmental Quality (CEQ), 1-1, 1-2, 1-4, 1-5, 1-9, 1-11, 1-12, 1-18, 2-3, 2-15, 2-16, 2-23, 3-1, 3-2, 3-3, 3-21, 3-64, 3-69, 3-76, 3-83, 3-89, 3-100, 4-1, 4-3, 4-9, 4-38, 4-43, 4-52, 4-56, 4-63, 4-65, 4-77, 4-78, 4-153, 5-1

criteria pollutants, 1-12, 1-13, 2-16, 2-25, 3-5, 3-6, 3-12, 3-14, 3-25, 3-26, 3-31, 3-33, 3-34, 3-38, 3-43, 3-44, 3-45, 3-46, 3-47, 3-48, 3-51, 3-54, 3-55, 3-56, 3-57, 3-58, 3-60, 4-10, 4-12, 4-15, 4-16, 4-17, 4-18, 4-19, 4-20, 4-21, 4-22, 4-24, 4-25, 4-27, 4-28, 4-29, 4-30, 4-31, 4-32, 4-33, 4-34, 4-35, 5-2

crude oil, 3-8, 3-15, 3-24, 3-25, 3-84, 3-110, 3-119, 4-4, 4-53, 6-1

Department of Health and Human Services, 1-6, 1-7, 4-149

Department of Transportation Act of 1966, 3-120

desertification, 4-98, 4-106, 4-138

diesel particulate matter, 2-18, 2-19, 2-20, 2-26, 2-27, 3-14, 3-16, 3-25, 3-34, 3-35, 3-37, 3-38, 3-40, 3-42, 3-43, 3-44, 3-45, 3-46, 3-48, 3-49, 3-50, 3-52, 3-54, 3-55, 3-56, 3-57, 3-58, 3-59, 3-60, 4-12, 4-13, 4-14, 4-17, 4-18, 4-19, 4-20, 4-21, 4-22, 4-24, 4-25, 4-26, 4-29, 4-30, 4-31, 4-32, 4-33, 4-34, 4-35, 5-1, 6-1

disease, 3-15, 3-123, 4-91, 4-109, 4-119, 4-120, 4-123, 4-124, 4-125, 4-130, 4-136, 4-141, 4-145, 4-146, 4-147, 4-149, 4-150, 4-151, 4-154, 4-155, 4-157

downweighting of vehicles, 1-18, 2-14, 3-114, 3-115, 3-120

drought, 3-64, 3-66, 3-68, 3-100, 4-63, 4-81, 4-83, 4-86, 4-87, 4-90, 4-91, 4-103, 4-105, 4-117, 4-121, 4-122, 4-124, 4-125, 4-127, 4-129, 4-135, 4-139, 4-144, 4-145, 4-148, 4-151, 4-154

El Nino Southern Oscillation, 3-82, 3-83, 4-51, 4-112, 4-117, 4-118

Energy Independence and Security Act (EISA), 1-1, 1-2, 1-4, 1-5, 1-8, 1-10, 1-14, 1-17, 2-2, 2-8, 2-9, 2-10, 2-15, 2-16, 3-92, 3-93, 3-94, 3-116, 4-4, 4-8, 4-36, 4-53, 4-56, 5-1, 6-1

Energy Information Administration (EIA), 1-14, 2-4, 3-6, 3-7, 3-8, 3-25, 3-73, 3-74, 3-88, 4-4, 4-42, 4-43, 4-55

Energy Policy and Conservation Act (EPCA), 1-1, 1-2, 1-4, 1-5, 1-6, 1-8, 1-14, 1-16, 1-17, 1-19, 2-1, 2-9, 2-10, 2-12, 2-15, 3-92, 3-93, 4-36

environmental justice, 3-2, 3-108, 3-122, 3-123, 4-128, 4-141, 4-153, 4-154, 4-155

Environmental Protection Agency (EPA), 1-1, 1-2, 2-1, 3-12, 4-9, 4-112

eutrophication, 3-110, 3-112, 3-113, 3-114, 3-119, 4-86

Executive Order (EO), 3-7, 3-73, 3-122, 4-4, 4-42, 4-153, 4-154

Federal Highway Administration (FHWA), 1-13, 3-14, 3-17, 3-18, 3-117, 3-121, 4-144, 5-2

Federal Register (FR), 1-1, 1-2, 1-3, 1-4, 1-10, 1-11, 1-15, 1-17, 1-18, 1-20, 2-1, 2-4, 2-5, 2-9, 2-15, 3-92, 4-1, 4-39, 4-101, 4-103

Federal Transit Administration (FTA), 1-13, 3-17, 3-18, 5-2

feedstock recovery, 3-24, 3-25, 3-26

Final Regulatory Impact Analysis (FRIA), 1-14

fisheries, 3-111, 4-107, 4-114, 4-116, 4-117, 4-118, 4-123, 4-124, 4-126

flood, 3-64, 4-82, 4-86, 4-88, 4-90, 4-91, 4-112, 4-114, 4-116, 4-117, 4-124, 4-128, 4-129, 4-133, 4-136, 4-137, 4-140, 4-144, 4-145, 4-148, 4-150, 4-151, 4-152, 4-154, 4-155

- food production, 3-15, 3-110, 3-113, 3-114, 3-115, 3-117, 3-122, 3-123, 4-2, 4-75, 4-76, 4-80, 4-97, 4-100, 4-102, 4-103, 4-107, 4-113, 4-116, 4-117, 4-118, 4-119, 4-123, 4-124, 4-125, 4-126, 4-129, 4-130, 4-138, 4-139, 4-141, 4-143, 4-144, 4-145, 4-146, 4-147, 4-151, 4-154, 4-155
- forest products, 4-37, 4-75, 4-92, 4-93, 4-94, 4-95, 4-97, 4-98, 4-101, 4-103, 4-105, 4-106, 4-116, 4-118, 4-119, 4-120, 4-121, 4-122, 4-125, 4-156
- freshwater resources, 1-12, 2-16, 3-61, 3-82, 3-108, 3-109, 3-110, 3-111, 3-112, 4-2, 4-36, 4-50, 4-75, 4-76, 4-79, 4-80, 4-81, 4-82, 4-83, 4-85, 4-86, 4-87, 4-88, 4-89, 4-90, 4-91, 4-98, 4-105, 4-107, 4-112, 4-114, 4-117, 4-123, 4-126, 4-134
- Fuel Transportation, Storage, and Distribution, 3-19, 3-20, 3-24, 3-25, 3-26, 4-9, 5-2
- glacier, 3-61, 3-67, 3-68, 3-77, 3-79, 3-103, 3-104, 4-45, 4-47, 4-48, 4-67, 4-79, 4-82, 4-87, 4-89, 4-105, 4-111, 4-114
- global emissions, 2-20, 2-27, 3-65, 3-66, 3-71, 3-72, 3-73, 3-74, 3-77, 3-85, 3-88, 3-110, 4-40, 4-41, 4-42, 4-54, 4-55, 4-68
- global warming potential, 3-64, 3-65, 3-66, 3-84, 4-53
- greenhouse gas, 1-6, 1-7, 1-8, 1-10, 1-11, 1-12, 1-20, 2-3, 2-5, 2-12, 2-16, 2-20, 2-27, 2-34, 3-3, 3-14, 3-61, 3-62, 3-63, 3-64, 3-65, 3-66, 3-69, 3-70, 3-71, 3-72, 3-73, 3-74, 3-76, 3-78, 3-80, 3-82, 3-83, 3-84, 3-85, 3-87, 3-88, 3-89, 3-94, 3-109, 4-3, 4-4, 4-37, 4-38, 4-39, 4-40, 4-41, 4-42, 4-43, 4-46, 4-49, 4-51, 4-52, 4-53, 4-55, 4-56, 4-68, 4-75, 4-76, 4-77, 4-78, 4-106, 4-112, 4-119, 4-120, 4-132, 4-156, 6-1
- Greenhouse Gases, Regulated Emissions, and Energy Use in Transportation Model (GREET), 3-24, 3-25, 3-26, 3-71, 4-39
- groundwater, 3-108, 3-109, 3-110, 4-79, 4-80, 4-81, 4-82, 4-85, 4-87, 4-89, 4-90, 4-111, 4-112, 4-117, 4-123, 4-130
- heat wave, 3-64, 3-66, 3-67, 3-68, 3-98, 4-61, 4-119, 4-122, 4-131, 4-143, 4-144, 4-147, 4-152, 4-153
- High Scenario, 2-4, 2-10, 2-11, 2-12, 2-13, 2-16, 2-17, 2-18, 2-19, 2-20, 2-23, 2-24, 2-25, 2-26, 2-27, 2-32, 2-33, 2-35, 3-6, 3-10, 3-11, 3-29, 3-46, 3-47, 3-48, 3-49, 3-50, 3-51, 3-52, 3-53, 3-54, 3-55, 3-56, 3-57, 3-58, 3-59, 3-104, 3-105, 3-106, 3-107, 4-5, 4-7, 4-22, 4-23, 4-24, 4-25, 4-26, 4-27, 4-28, 4-29, 4-30, 4-31, 4-32, 4-33, 4-34, 4-41, 4-72, 4-73, 4-74, 5-1, 6-1, 6-2
- human health, 1-7, 1-12, 1-13, 1-18, 3-12, 3-18, 3-26, 3-38, 3-51, 3-64, 3-69, 3-109, 3-115, 3-117, 3-118, 3-119, 3-120, 3-121, 3-122, 4-8, 4-15, 4-27, 4-37, 4-38, 4-75, 4-76, 4-77, 4-88, 4-128, 4-130, 4-138, 4-141, 4-143, 4-144, 4-145, 4-146, 4-147, 4-149, 4-150, 4-153
- Intergovernmental Panel on Climate Change (IPCC), 1-8, 1-9, 1-11, 1-12, 1-13, 1-20, 2-21, 2-22, 2-24, 2-27, 2-28, 2-29, 2-30, 2-31, 2-32, 2-33, 3-3, 3-61, 3-62, 3-63, 3-64, 3-65, 3-67, 3-68, 3-69, 3-71, 3-72, 3-73, 3-74, 3-76, 3-77, 3-78, 3-79, 3-80, 3-81, 3-82, 3-83, 3-94, 3-95, 3-96, 3-97, 3-98, 3-99, 3-100, 3-101, 3-102, 3-103, 3-107, 3-112, 4-3, 4-37, 4-38, 4-40, 4-42, 4-43, 4-46, 4-47, 4-48, 4-49, 4-50, 4-51, 4-52, 4-57, 4-58, 4-59, 4-60, 4-61, 4-62, 4-63, 4-64, 4-65, 4-66, 4-67, 4-72, 4-75, 4-76, 4-77, 4-80, 4-81, 4-83, 4-84, 4-86, 4-87, 4-88, 4-91, 4-99, 4-102, 4-105, 4-111, 4-114, 4-115, 4-116, 4-119, 4-123, 4-124, 4-126, 4-139, 4-141, 4-143, 4-144, 4-148, 4-157

- International Energy Outlook (IEO), 3-7, 3-73, 3-74, 3-76, 4-42, 4-43, 4-45
- land use, 2-16, 3-1, 3-2, 3-83, 3-108, 3-110, 3-113, 3-114, 3-115, 4-2, 4-37, 4-51, 4-80, 4-83, 4-85, 4-88, 4-97, 4-105, 4-137, 4-144, 4-147, 4-149, 4-152
- MAGICC model, 1-20, 2-21, 2-22, 2-24, 2-27, 2-28, 2-29, 2-30, 2-31, 2-32, 2-33, 3-69, 3-71, 3-72, 3-73, 3-94, 3-95, 3-96, 3-97, 3-98, 3-99, 3-100, 3-101, 3-103, 3-105, 3-107, 4-38, 4-40, 4-41, 4-42, 4-57, 4-58, 4-59, 4-60, 4-62, 4-63, 4-64, 4-67, 4-72, 4-73
- Mid-1 Scenario, 2-4, 2-11, 2-16, 2-35, 3-10, 3-59, 3-60, 3-105, 4-5, 4-34, 4-35, 4-73, 4-74
- Mid-2 Scenario, 2-4, 2-11, 2-16, 2-25, 2-35, 3-10, 3-46, 3-59, 3-60, 3-73, 3-90, 3-91, 3-92, 3-105, 4-5, 4-34, 4-35, 4-74
- Millennium Ecosystems Assessment (MA), 3-22, 3-24, 4-92, 4-93, 4-95, 4-96, 4-97, 4-98
- mitigation, 2-18, 2-20, 2-26, 3-89, 4-56, 4-132, 4-153, 5-1, 5-2
- mobile source air toxics (MSATs), 1-13, 2-16, 3-12, 3-14, 3-15, 3-17, 3-18, 3-19, 3-21, 3-99, 4-8, 4-62, 5-1, 5-2
- National Ambient Air Quality Standards (NAAQS), 3-12, 3-13, 3-14, 3-17, 3-19
- National Automobile Dealers Association (NADA), 1-10
- National Environmental Policy Act of 1969 (NEPA), 1-1, 1-2, 1-3, 1-4, 1-5, 1-6, 1-9, 1-10, 1-11, 1-12, 1-14, 1-15, 1-16, 1-17, 1-18, 1-19, 2-1, 2-10, 2-12, 2-15, 2-16, 2-23, 4-1, 4-2, 4-3, 4-4, 4-36, 4-52, 4-53, 4-65, 4-75, 4-153, 5-1, 5-2, 6-1
- National Highway Traffic Safety Administration (NHTSA), 1-1, 1-2, 1-3, 1-4, 1-5, 1-6, 1-7, 1-8, 1-9, 1-10, 1-11, 1-12, 1-13, 1-14, 1-15, 1-16, 1-17, 1-18, 1-19, 1-20, 2-1, 2-2, 2-3, 2-4, 2-5, 2-9, 2-10, 2-11, 2-12, 2-13, 2-14, 2-15, 2-16, 2-18, 2-25, 3-1, 3-2, 3-3, 3-6, 3-8, 3-10, 3-18, 3-19, 3-20, 3-21, 3-25, 3-26, 3-59, 3-61, 3-64, 3-69, 3-70, 3-71, 3-72, 3-73, 3-74, 3-76, 3-79, 3-83, 3-84, 3-85, 3-89, 3-90, 3-91, 3-92, 3-93, 3-94, 3-95, 3-100, 3-104, 3-105, 3-110, 3-113, 3-114, 3-115, 3-116, 3-117, 3-120, 3-122, 4-3, 4-4, 4-5, 4-8, 4-9, 4-36, 4-38, 4-39, 4-40, 4-41, 4-42, 4-43, 4-47, 4-52, 4-53, 4-54, 4-56, 4-57, 4-63, 4-68, 4-72, 4-73, 4-74, 4-75, 4-76, 4-77, 4-78, 4-153, 4-157, 5-1, 5-2, 6-1, 6-2
- National Environmental Policy Act of 1969 (NEPA), 3-1, 3-2, 3-3, 3-18, 3-20, 3-64, 3-84, 3-92
- National Register of Historic Places (NRHP), 3-121
- Natural Resources Defense Council (NRDC), 2-1, 4-76
- No Action Alternative, 1-10, 1-19, 2-1, 2-10, 2-11, 2-12, 2-17, 2-18, 2-20, 2-21, 2-22, 2-23, 2-25, 2-27, 2-28, 2-31, 2-32, 2-33, 3-8, 3-9, 3-10, 3-18, 3-27, 3-29, 3-31, 3-33, 3-34, 3-35, 3-36, 3-38, 3-39, 3-40, 3-41, 3-42, 3-43, 3-44, 3-45, 3-46, 3-47, 3-48, 3-49, 3-50, 3-51, 3-52, 3-53, 3-54, 3-55, 3-56, 3-57, 3-58, 3-59, 3-69, 3-72, 3-73, 3-74, 3-77, 3-85, 3-86, 3-89, 3-90, 3-91, 3-93, 3-95, 3-98, 3-100, 3-101, 3-104, 3-105, 3-107, 3-110, 3-113, 4-1, 4-5, 4-6, 4-7, 4-8, 4-9, 4-10, 4-11, 4-12, 4-14, 4-15, 4-16, 4-17, 4-18, 4-19, 4-20, 4-21, 4-22, 4-24, 4-26, 4-27, 4-28, 4-29, 4-30, 4-31, 4-32, 4-33, 4-34, 4-38, 4-40, 4-41, 4-42, 4-45, 4-53, 4-54, 4-55, 4-57, 4-60, 4-63, 4-64, 4-67, 4-73, 4-74, 5-1, 5-2, 6-1, 6-2

- nonattainment, 2-18, 2-20, 2-26, 3-13, 3-14, 3-17, 3-19, 3-20, 3-21, 3-22, 3-23, 3-24, 3-25, 3-26, 3-31, 3-34, 3-39, 3-40, 3-42, 3-43, 3-44, 3-45, 3-46, 3-47, 3-48, 3-51, 3-52, 3-54, 3-55, 3-56, 3-57, 3-58, 3-59, 3-123, 4-10, 4-12, 4-16, 4-17, 4-18, 4-19, 4-20, 4-21, 4-22, 4-24, 4-28, 4-29, 4-30, 4-31, 4-32, 4-33, 4-34, 4-153, 5-2, 6-1
- nonattainment area (NAA), 2-18, 2-20, 2-26, 3-14, 3-19, 3-20, 3-21, 3-24, 3-25, 3-26, 3-31, 3-39, 3-40, 3-42, 3-43, 3-44, 3-45, 3-46, 3-51, 3-52, 3-54, 3-55, 3-56, 3-57, 3-58, 3-59, 3-123, 4-16, 4-17, 4-18, 4-19, 4-20, 4-21, 4-22, 4-28, 4-29, 4-30, 4-31, 4-32, 4-33, 4-34, 4-153, 5-2, 6-1
- Notice of Intent (NOI), 1-3, 1-5, 1-15
- Notice of Proposed Rulemaking (NPRM), 1-1, 1-2, 1-6, 1-7, 1-8, 1-10, 1-11, 1-14, 1-15, 1-18, 2-3, 2-4, 2-5, 2-8, 2-9, 2-10, 2-12, 2-14, 2-20, 3-85, 3-92, 3-93, 3-116, 4-54
- ocean circulation, 3-78, 3-79, 3-82, 4-47, 4-48, 4-50, 4-108, 4-126
- Optimized Alternative, 1-1, 1-19, 2-12, 2-13, 2-17, 2-18, 2-23, 2-25, 2-34, 2-35, 3-6, 3-9, 3-10, 3-27, 3-29, 3-40, 3-41, 3-42, 3-43, 3-52, 3-54, 3-55, 3-74, 3-77, 3-85, 3-89, 3-90, 3-91, 4-5, 4-10, 4-17, 4-18, 4-28, 4-29, 4-30, 4-31, 4-42, 4-45, 4-54, 4-68, 6-2
- Organization for Economic Cooperation and Development (OECD), 3-74, 3-76, 3-88, 3-122, 4-43, 4-45, 4-55
- permafrost, 3-67, 3-77, 3-83, 3-95, 4-45, 4-52, 4-57, 4-79, 4-82, 4-90, 4-114, 4-115, 4-131, 4-139
- polar bear, 4-101, 4-103, 4-138
- polar regions, 3-61, 3-67, 3-68, 3-69, 3-78, 3-79, 3-80, 3-81, 3-83, 3-99, 3-103, 3-104, 4-47, 4-48, 4-49, 4-50, 4-51, 4-52, 4-62, 4-67, 4-79, 4-82, 4-92, 4-100, 4-101, 4-111, 4-115, 4-121, 4-126, 4-130, 4-131, 4-138, 4-139
- precipitation, change in, 1-12, 2-16, 2-21, 2-22, 2-31, 2-32, 3-61, 3-66, 3-68, 3-69, 3-71, 3-72, 3-73, 3-78, 3-82, 3-83, 3-94, 3-100, 3-101, 3-102, 3-103, 3-104, 4-37, 4-39, 4-40, 4-41, 4-47, 4-51, 4-52, 4-57, 4-63, 4-64, 4-65, 4-66, 4-67, 4-75, 4-76, 4-77, 4-78, 4-80, 4-81, 4-82, 4-83, 4-84, 4-85, 4-86, 4-87, 4-88, 4-89, 4-91, 4-92, 4-93, 4-94, 4-100, 4-102, 4-104, 4-111, 4-112, 4-116, 4-117, 4-118, 4-119, 4-121, 4-124, 4-127, 4-129, 4-130, 4-131, 4-132, 4-133, 4-134, 4-135, 4-136, 4-139, 4-140, 4-141, 4-143, 4-146, 4-148, 4-149, 4-150, 4-151
- Preliminary Regulatory Impact Analysis (PRIA), 1-6, 1-8, 1-14, 1-15, 2-2, 2-3, 3-117
- public scoping process, 1-4, 4-36
- rebound effect, 1-18, 1-19, 2-2, 2-4, 3-4, 3-6, 3-19, 3-20, 3-26, 3-35, 3-39, 3-40, 3-42, 3-43, 3-44, 3-45, 3-46, 3-49, 3-51, 3-52, 3-54, 3-55, 3-56, 3-57, 3-58, 3-59, 3-90, 3-91, 3-92, 3-117, 3-122, 3-123, 4-12, 4-17, 4-18, 4-19, 4-20, 4-21, 4-22, 4-25, 4-28, 4-29, 4-30, 4-31, 4-33, 4-34, 4-153
- Reference Case, 2-4, 2-10, 2-11, 2-12, 2-13, 2-16, 2-17, 2-18, 2-19, 2-20, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26, 2-27, 2-28, 2-29, 2-30, 2-31, 2-32, 2-33, 2-34, 2-35, 3-6, 3-8, 3-9, 3-10, 3-31, 3-32, 3-33, 3-34, 3-35, 3-36, 3-37, 3-38, 3-39, 3-40, 3-41, 3-42, 3-43, 3-44, 3-45, 3-52, 3-55, 3-56, 3-57, 3-58, 3-59, 3-72, 3-73, 3-85, 3-86, 3-87, 3-88, 3-90, 3-91, 3-92, 3-95, 3-96, 3-97, 3-101, 3-104, 3-105, 3-106, 4-5,

- 4-6, 4-9, 4-10, 4-11, 4-13, 4-14, 4-15, 4-16, 4-23, 4-28, 4-29, 4-30, 4-31, 4-32, 4-33, 4-34, 4-35, 4-41, 4-42, 4-54, 4-55, 4-56, 4-58, 4-59, 4-60, 4-64, 4-68, 4-69, 4-70, 4-71, 4-73, 4-74, 4-158, 5-1, 6-1, 6-2
- Reformed CAFE standards, 1-10, 1-16, 1-17, 2-9, 2-15, 3-4
- Retail Price Equivalent (RPE), 2-1, 3-5
- safety, 1-1, 1-2, 1-7, 1-16, 1-18, 2-1, 2-3, 2-14, 3-1, 3-108, 3-115, 3-116, 3-122, 4-3, 4-131, 4-132, 4-134, 4-138, 4-144
- saltwater intrusion, 4-85, 4-90
- sea level rise, 3-64, 3-68, 3-80, 3-103, 3-104, 4-48, 4-112, 4-115
- Secretary of Energy (DOE), 1-2
- Secretary of Transportation, 1-1, 1-2
- sensitivity analyses, 1-6, 2-3, 3-5, 3-71, 3-72, 3-89, 3-90, 3-91, 4-40
- Social Cost of Carbon (SCC), 1-6, 1-8, 1-11, 1-19, 2-2, 2-3, 2-4, 2-9, 2-10, 2-12, 2-34, 3-59, 3-90, 3-104, 3-105, 4-41, 4-72, 4-73, 4-74
- Special Report on Emission Scenarios (SRES), 2-21, 2-22, 2-24, 2-28, 2-29, 2-30, 2-31, 2-32, 2-33, 3-72, 3-73, 3-74, 3-76, 3-88, 3-94, 3-95, 3-96, 3-97, 3-100, 3-101, 3-104, 3-107, 4-40, 4-41, 4-42, 4-43, 4-45, 4-55, 4-57, 4-58, 4-59, 4-60, 4-63, 4-64, 4-67, 4-68, 4-69, 4-70, 4-71, 4-72, 4-115, 4-119
- State Implementation Plan (SIP), 1-13, 3-14, 3-17, 3-18, 3-61, 3-67, 3-70, 3-79, 3-81
- Synthesis and Assessment Product (SAP), 4-37, 4-38, 4-48, 4-49, 4-76, 4-78, 4-119
- Technology Exhaustion Alternative, 1-8, 1-19, 2-10, 2-11, 2-14, 2-17, 2-18, 2-19, 2-20, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26, 2-27, 2-28, 2-31, 2-32, 2-33, 2-35, 3-9, 3-10, 3-11, 3-31, 3-32, 3-33, 3-34, 3-35, 3-37, 3-38, 3-40, 3-41, 3-44, 3-45, 3-46, 3-47, 3-48, 3-49, 3-50, 3-53, 3-54, 3-57, 3-58, 3-59, 3-60, 3-85, 3-87, 3-88, 3-95, 3-101, 3-104, 3-105, 3-107, 4-5, 4-6, 4-7, 4-10, 4-11, 4-12, 4-13, 4-14, 4-15, 4-16, 4-20, 4-21, 4-22, 4-23, 4-24, 4-25, 4-26, 4-27, 4-28, 4-32, 4-33, 4-34, 4-35, 4-54, 4-57, 4-58, 4-60, 4-64, 4-67, 4-72, 4-73, 4-74
- temperature, change in, 1-4, 1-9, 1-12, 1-13, 1-20, 2-16, 2-20, 2-21, 2-22, 2-23, 2-24, 2-27, 2-28, 2-29, 2-30, 2-31, 2-32, 2-33, 2-35, 3-3, 3-15, 3-17, 3-61, 3-64, 3-68, 3-69, 3-71, 3-72, 3-73, 3-78, 3-80, 3-81, 3-82, 3-83, 3-94, 3-95, 3-96, 3-97, 3-98, 3-100, 3-101, 3-103, 3-104, 3-105, 3-107, 3-109, 4-3, 4-37, 4-39, 4-40, 4-41, 4-47, 4-48, 4-49, 4-50, 4-51, 4-52, 4-57, 4-58, 4-59, 4-60, 4-63, 4-64, 4-65, 4-67, 4-68, 4-70, 4-72, 4-73, 4-74, 4-75, 4-76, 4-77, 4-78, 4-81, 4-82, 4-83, 4-85, 4-87, 4-90, 4-93, 4-94, 4-99, 4-100, 4-102, 4-103, 4-104, 4-105, 4-109, 4-112, 4-114, 4-115, 4-117, 4-118, 4-119, 4-120, 4-121, 4-122, 4-123, 4-124, 4-126, 4-127, 4-128, 4-129, 4-130, 4-131, 4-132, 4-133, 4-134, 4-135, 4-136, 4-138, 4-139, 4-140, 4-141, 4-143, 4-144, 4-145, 4-146, 4-147, 4-148, 4-149, 4-151, 4-154, 4-155
- terrestrial ecosystems, 1-12, 2-16, 3-61, 3-113, 4-36, 4-75, 4-92, 4-95, 4-97, 4-98, 4-99, 4-100, 4-103, 4-119, 4-156, 4-158

tipping point, 1-9, 1-20, 3-77, 3-78, 3-79, 3-81, 3-83, 3-84, 4-45, 4-46, 4-47, 4-49, 4-51, 4-52

Total Costs Equal Total Benefits Alternative, 1-19, 2-10, 2-11, 2-12, 2-13, 2-19, 2-20, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26, 2-27, 2-28, 2-31, 2-32, 2-33, 2-35, 3-27, 3-31, 3-32, 3-33, 3-34, 3-35, 3-37, 3-38, 3-40, 3-41, 3-45, 3-46, 3-47, 3-48, 3-49, 3-50, 3-53, 3-54, 3-57, 3-58, 3-59, 3-85, 3-87, 3-88, 3-95, 3-101, 3-104, 3-107, 4-10, 4-11, 4-13, 4-14, 4-15, 4-16, 4-20, 4-21, 4-23, 4-24, 4-25, 4-26, 4-27, 4-28, 4-32, 4-33, 4-35, 4-54, 4-58, 4-64, 4-72

U.S. Department of Energy (DOE), 2-1, 4-36

U.S. Department of Transportation (DOT), 1-1, 1-2, 1-3, 1-5, 1-8, 1-16, 1-18, 2-2, 3-2, 3-3, 3-120, 3-122, 4-1

U.S. Geological Survey (USGS), 3-109, 4-78

United Nations Food and Agriculture Organization (FAO), 4-116

United States Climate Change Science Program (USCCSP), 3-61, 3-66, 3-67, 3-69, 3-70, 3-78, 3-79, 3-80, 3-81, 3-82, 3-83, 4-37, 4-38, 4-47, 4-48, 4-49, 4-50, 4-51, 4-75, 4-76, 4-99, 4-133, 4-134, 4-135, 4-153, 4-155

United States Code (U.S.C.), 1-1, 1-2, 1-3, 1-11, 1-13, 1-17, 2-1, 2-15, 3-2, 3-17, 3-18, 3-84, 3-120, 4-36, 4-53, 4-65

Volpe model, 1-6, 1-11, 1-19, 2-2, 2-3, 2-4, 2-10, 2-17, 2-34, 2-35, 3-3, 3-4, 3-5, 3-6, 3-8, 3-10, 3-19, 3-21, 3-25, 3-36, 3-70, 3-71, 3-72, 3-73, 3-74, 3-76, 3-84, 3-85, 3-92, 3-99, 3-105, 4-5, 4-39, 4-40, 4-41, 4-42, 4-43, 4-53, 4-54, 4-62, 4-73

World Meteorological Organization (WMO), 3-68