

APPENDIX E

INDEX OF TERMS

A

Acid rain, 2-8, 2-28, 3-24, 3-25, 3-27, 4-31, 4-32, 4-33, 4-57, 5-2, 5-9, 5-14

B

Base Load, 1-12, 1-13, 1-14, 1-16, 1-18, 1-20, 2-2, 2-11, 2-14, 2-18, 2-22, 2-25, 2-27, 2-29, 2-38, 2-39, 2-41, 2-53, 2-57, 2-58, 2-60, 2-61, 4-73, 4-97, 4-122, 5-18, 5-22

Biogas, 2-1, 2-18, 2-20, 2-21, 2-22, 2-38

Biomass, 2-1, 2-18, 2-19, 2-20, 2-24, 4-55, 4-56

Best Available Control Technology (BACT), 1-24, 1-26, 2-51, 3-28, 4-23, 4-32, 4-33, 4-34, 4-35, 4-36, 4-37, 4-38, 4-52, 4-53, 4-58, 4-59, 4-122

Best Management Practices (BMPs), 2-52, 2-67, 4-12, 4-16, 4-18, 4-25, 4-38, 4-14, 4-21, 4-27, 4-28

Bonneville Power Administration (BPA), 1-7, 1-8, 1-14, 1-16, 1-18, 1-20, 2-2, 2-5, 2-11, 2-41, 4-56, 5-15

C

Carbon, 2-1, 2-14, 2-29, 3-16, 3-24, 3-25, 3-27, 3-41, 3-44, 3-45, 3-46, 4-47, 4-53, 4-55, 4-56, 4-57, 4-111, 5-10

Carbon dioxide (CO₂), 2-8, 2-21, 2-23, 2-25, 2-30, 2-32, 3-25, 3-44, 3-45, 3-46, 4-54, 4-55, 4-56, 4-57, 5-2, 5-4, 5-11, 5-12, 5-15, 5-24

Carbon monoxide (CO), 2-18, 2-19, 2-20, 2-21, 2-24, 2-29, 2-52, 3-23, 3-27, 4-29, 5-4

Circulating Fluidized Bed (CFB), 1-27, 2-20, 2-24, 2-25, 2-29, 2-38, 2-39, 2-

41, 2-42, 2-46, 2-49, 2-50, 2-51, 2-62, 3-33, 4-29, 4-31, 4-32, 4-33, 4-34, 4-35, 4-36, 4-38, 4-39, 4-45, 4-47, 4-52, 4-53, 4-59, 4-80, 4-83, 4-88, 4-112, 4-122, 4-128, 5-13, 5-18, 5-22

Clean Air Act (CAA), 3-23, 3-25, 3-26, 3-28, 3-31, 4-31, 4-32, 4-35, 4-38, 5-9, 5-13, 5-18, 5-22

Clean coal, 1-18, 1-24, 2-51, 5-14

Clean Water Act (CWA), 1-27, 2-47, 3-10, 3-11, 3-18, 3-56, 4-12, 4-20, 4-63

Climate change (see Global warming), 2-21, 2-69, 3-44, 3-46, 4-54, 4-55, 4-140, 5-2, 5-11, 5-12, 5-15, 5-19, 5-23

Coal combustion, 1-26, 2-53, 4-52, 4-111, 4-114, 4-115, 4-117, 4-119, 4-120

Coal, pulverized (See Pulverized coal)

Coal-fired power plant, 1-1, 1-20, 1-26, 1-28, 2-1, 2-19, 2-26, 2-28, 2-31, 2-33, 2-35, 2-39, 2-41, 2-49, 2-52, 2-61, 3-28, 3-40, 4-6, 4-53, 4-72, 4-77, 4-79, 4-88, 4-111, 4-122, 4-128, 4-135, 5-5, 5-8, 5-13, 5-15, 5-16, 5-18, 5-22

Combustion turbine, 1-13, 2-1, 2-19, 2-20, 2-21, 2-27, 2-29, 2-30, 2-31

Contamination, 1-24, 1-28, 2-67, 3-43, 3-103, 3-105, 4-11, 4-12, 4-13, 4-14, 4-16, 4-17, 4-18, 4-25, 4-26, 4-27, 4-28, 4-114, 4-134, 5-3, 5-4, 5-10, 5-11, 5-17, 5-22

Criteria pollutants, 2-52, 3-23, 3-25, 3-26, 3-27, 4-31, 4-32, 4-39, 4-45, 4-46, 4-122, 4-134, 5-8, 5-18, 5-22

D

Department of Energy (DOE), 1-11, 1-15, 2-7, 2-13, 2-14, 2-15, 2-18, 2-21, 2-25, 2-27, 2-30, 2-31, 2-32, 4-55

Department of Natural Resources and

Conservation (DNRC), 1-4, 1-5, 1-21, 2-36, 2-37, 2-47, 3-12, 3-13, 3-14, 4-22

Discharge, 1-3, 1-4, 1-6, 1-24, 2-14, 2-17, 2-21, 2-23, 2-33, 2-48, 2-52, 2-53, 2-68, 3-10, 3-43, 3-68, 3-72, 3-77, 3-106, 4-12, 4-20, 4-22, 4-23, 4-24, 4-25, 4-26, 4-27, 4-64, 4-70, 4-72, 4-104, 4-112, 4-134, 5-8, 5-12

E

Electric load, 1-1, 1-9, 2-1

Emissions (excluding mercury emissions), 1-3, 1-6, 1-24, 1-26, 1-27, 2-8, 2-14, 2-51, 4-28, 4-29, 4-31, 4-32, 4-33, 4-34, 4-35, 4-36, 4-37, 4-38, 4-39, 4-40, 4-41, 4-44, 4-45, 4-46, 4-47, 4-48, 4-51, 4-52, 4-54, 4-55, 4-56, 4-57, 4-58, 4-59, 4-118, 4-119, 4-121, 4-122, 4-128, 4-131, 4-132, 4-133, 4-134, 4-140, 5-2, 5-4, 5-9, 5-10, 5-11, 5-14, 5-15, 5-18, 5-20, 5-22, 5-24

Endangered species, 3-50, 4-22, 4-59, 4-60, 4-67, 4-137, 4-138

Endangered Species Act (ESA), 3-9, 3-47, 3-62, 4-65, 4-68

Energy conservation, 1-3, 2-1, 2-4, 2-5, 2-6, 2-54, 4-57, 4-123

Energy efficiency, 2-1, 2-4, 2-5, 2-7, 2-18, 2-63, 4-57, 4-123

Environmental Protection Agency (EPA), 1-22, 1-23, 2-15, 2-22, 2-23, 2-25, 2-28, 2-70, 2-71, 3-11, 3-23, 3-26, 3-28, 3-29, 3-30, 3-32, 3-34, 3-35, 3-40, 3-45, 3-62, 3-101, 3-103, 4-31, 4-33, 4-35, 4-40, 4-41, 4-45, 4-46, 4-47, 4-48, 4-57, 4-74, 4-76, 4-77, 4-79, 4-114, 4-119, 4-120, 4-135, 5-10, 5-14, 5-15

F

Federal Energy Regulatory Commission (FERC), 1-16, 2-16, 2-58

Floodplain, 1-4, 1-5, 2-48, 2-68, 3-2, 3-9, 3-10, 3-20, 3-100, 4-20, 4-21, 4-25, 4-26, 4-27, 4-28, 4-134, 4-137, 4-138, 4-139, 4-140

Fugitive dust, 3-27, 3-88, 4-13, 4-29, 4-57, 4-59, 4-99, 4-128, 4-134, 5-5, 5-22

G

Geothermal, 2-1, 2-6, 2-7, 2-16, 2-17, 2-18, 2-38, 3-67, 4-56, 4-60, 4-80, 4-83, 4-123

Global warming (see Climate change), 2-28, 3-25, 4-55, 4-140

Greenhouse gas (GHG), 2-4, 2-8, 2-18, 2-19, 2-24, 2-25, 2-30, 2-32, 2-69, 3-24, 3-25, 3-44, 3-45, 4-29, 4-54, 4-55, 4-56, 4-57, 4-58, 4-59, 4-134, 4-140, 5-2, 5-11, 5-15

Groundwater quality, 4-16

H

Hazardous air pollutants (HAPs), 2-18, 2-20, 2-23, 2-24, 2-25, 3-28, 3-114, 4-31, 4-32, 4-35, 4-36, 4-46, 5-8, 5-18, 5-22

Hazardous waste, 2-21, 2-23, 2-74, 3-102, 3-105, 4-4, 4-110, 4-114, 4-115, 4-116, 4-117, 4-120

Hydroelectric, 1-20, 2-1, 2-6, 2-7, 2-14, 2-15, 2-16, 2-38, 3-7, 3-71, 3-72, 3-73, 3-74, 3-79, 3-106

I

Integrated Gasification Combined Cycle
(IGCC), 2-1, 2-24, 2-25, 2-29, 2-30,
2-31, 2-38

11, 4-14, 4-17, 4-18, 4-20, 4-21, 4-
22, 4-23, 4-25, 4-26, 4-27, 4-38, 4-
60, 4-61, 4-64, 4-69, 4-70, 4-80, 4-
81, 4-82, 4-103, 4-107, 4-134, 4-135,
4-137, 4-140

L

Landfill gas, 2-1, 2-21, 2-22

Municipal solid waste (See Solid waste)

Lead (Pb), 2-52, 3-3, 3-23, 3-26, 3-27, 3-29,
4-1, 4-23, 4-40, 4-45, 4-114, 4-123,
4-129, 4-130, 4-132, 5-4

N

M

Mercury (Hg), 1-24, 1-27, 2-18, 2-23, 2-24,
2-32, 2-69, 3-25, 3-26, 3-27, 3-28, 3-
35, 3-36, 3-37, 3-38, 3-40, 3-41, 3-
42, 3-43, 4-23, 4-29, 4-33, 4-34, 4-
35, 4-51, 4-52, 4-53, 4-54, 4-58, 4-
114, 4-115, 4-122, 4-134, 4-137, 5-4,
5-8, 5-10, 5-11, 5-14, 5-19, 5-23

National Ambient Air Quality Standards
(NAAQS), 1-26, 3-29, 3-30, 3-34, 4-
40, 4-41, 4-43, 4-44, 4-45, 5-18, 5-
20, 5-22, 5-24

Mercury emissions, 1-24, 1-26, 1-27,
2-68, 2-69, 3-28, 3-38, 3-39, 3-40, 3-
41, 4-33, 4-35, 4-51, 4-52, 4-53, 4-
54, 5-10, 5-11, 5-14

National Environmental Policy Act (NEPA),
1-5, 1-6, 1-8, 1-21, 1-23, 3-47, 3-48,
3-62, 3-100, 4-2, 4-5, 4-6, 4-137, 4-
139, 5-1

Montana Ambient Air Quality Standards
(MAAQS), 1-26, 3-29, 3-30, 4-40, 4-
41, 4-43, 4-44, 4-45, 4-46, 5-18, 5-
20, 5-22, 5-24

National Historic Preservation Act (NHPA),
3-71, 3-73, 4-84, 4-87

Montana Clean Air Act (MCAA), 1-4, 3-26

Natural gas, 1-10, 1-11, 1-12, 1-14, 1-15, 1-
20, 2-1, 2-3, 2-10, 2-14, 2-15, 2-20,
2-21, 2-24, 2-25, 2-26, 2-29, 2-33, 2-
37, 2-39, 2-60, 3-25, 3-27, 3-44, 3-
45, 3-95, 4-4, 4-55, 4-60, 4-73, 4-80,
4-83, 4-98, 4-123, 5-14, 5-15

Montana Environmental Policy Act
(MEPA), 1-4, 1-5, 1-6, 1-8, 1-21, 1-
23, 3-47, 3-100, 4-1, 4-2, 4-5, 4-6, 4-
7, 4-137, 4-139, 5-1

Natural Gas Combined Cycle (NGCC), 2-
24, 2-25, 2-26, 2-27, 2-32, 2-42

Montana Pollutant Discharge Elimination
System (MPDES), 2-33, 2-38, 3-10,
4-12, 4-13, 4-14, 4-16, 4-23

Nitrogen Oxide (NO_x), 3-23, 3-24, 3-25, 3-
27, 3-31, 3-34, 4-29, 4-32, 4-33, 4-
34, 4-35, 4-36, 4-37, 4-39, 4-42, 4-
43, 4-44, 4-45, 4-46, 4-47, 4-48, 4-
59, 4-62, 4-69, 4-71, 5-2, 5-5, 5-9

Morony Dam/Pool/Reservoir, 1-3, 1-25, 2-
47, 2-63, 2-71, 3-7, 3-8, 3-14, 3-18,
3-48, 3-49, 3-50, 3-52, 3-53, 3-54, 3-
55, 3-56, 3-57, 3-64, 3-70, 3-72, 3-
73, 3-74, 3-77, 3-78, 3-79, 3-91, 4-

Noise, 1-25, 2-8, 2-9, 2-70, 2-71, 3-60, 3-61,
3-62, 3-63, 3-64, 3-65, 3-66, 4-72, 4-
73, 4-74, 4-75, 4-76, 4-77, 4-79, 4-
80, 4-81, 4-104, 4-106, 4-110, 4-128,
4-130, 4-131, 4-133, 4-135, 5-5, 5-
17, 5-19, 5-21, 5-23

New Source Review (NSR), 3-26, 3-28, 4-
45

O

Oil, 1-27, 2-26, 2-27, 2-31, 2-2, 2-33, 2-36, 2-37, 2-39, 2-52, 3-25, 3-98, 4-12, 4-18, 4-23, 4-31, 4-35, 4-45, 4-55, 4-110, 4-115, 4-139

P

Particulate matter (PM), 2-20, 2-51, 2-52, 3-23, 3-24, 3-25, 3-26, 3-27, 4-29, 4-33, 4-34, 4-35, 4-36, 4-37, 4-38, 4-39, 4-47, 4-112, 5-4

PM10, 2-18, 2-24, 2-51, 3-24, 3-30, 4-33, 4-34, 4-35, 4-36, 4-39, 4-42, 4-43, 4-45, 4-47, 4-48

Photovoltaic (PV; see Solar), 2-1, 2-6, 2-7, 2-13, 2-14, 2-38

Prime farmland, 3-98, 3-99, 4-107

Power purchase agreement (PPA), 1-8, 1-14, 1-16, 1-18, 1-20, 2-1, 2-2, 2-3, 2-41, 2-57, 2-61, 4-56, 4-122

Prevention of Significant Deterioration (PSD), 2-29, 2-51, 2-68, 3-28, 3-29, 3-31, 3-32, 3-34, 4-31, 4-32, 4-35, 4-38, 4-39, 4-40, 4-41, 4-44, 4-45, 4-46, 4-47, 4-50, 4-51, 4-58, 4-134

Powder River Basin (PRB), 1-11, 2-24, 2-25, 2-49, 2-62, 3-96, 4-1, 4-32, 4-34, 4-100

Pulverized coal, 2-20, 2-24, 2-25, 2-27, 2-28, 2-29, 2-31, 2-38, 2-39, 2-51, 4-34, 4-55, 4-112, 5-8, 5-13

S

Service area, 1-1, 1-2, 1-11, 2-2, 2-5, 2-7, 2-11, 2-14, 2-22, 2-26, 2-27, 2-41, 4-8, 4-56, 4-102, 4-109, 4-123, 4-130, 4-132

Solar (see Photovoltaic), 3-37, 3-45, 4-56, 4-60, 4-73, 4-80, 4-83, 4-98

State Historic Preservation Office (SHPO), 1-5, 1-22, 1-25, 3-71, 3-72, 3-73, 4-83, 4-84, 4-87

Sulfur dioxide (SO₂), 2-18, 2-20, 2-23, 2-24, 2-32, 2-52, 3-23, 3-25, 3-27, 3-29, 3-30, 3-31, 3-34, 4-29, 4-32, 4-33, 4-34, 4-35, 4-36, 4-37, 4-39, 4-42, 4-44, 4-45, 4-47, 4-48, 4-112, 5-10

Superfund, 3-103, 3-105, 3-114

Solid waste, 1-3, 1-4, 1-26, 1-28, 2-20, 2-21, 2-28, 2-29, 2-33, 2-53, 3-47, 3-101, 4-13, 4-15, 4-16, 4-25, 4-26, 4-110, 4-111, 4-112, 4-113, 4-114, 4-116, 4-117, 4-119

Municipal solid waste (MSW), 2-1, 2-18, 2-19, 2-22, 2-23, 2-24, 2-38, 3-25, 3-101, 4-115

T

Total Maximum Daily Load (TMDL), 3-11, 3-56, 4-64

W

Water rights, 1-4, 1-24, 2-33, 2-36, 2-37, 2-38, 2-47, 3-12, 3-13, 3-14, 4-22, 4-26, 5-13

Western Area Power Administration (WAPA), 1-7, 1-8, 1-14, 1-16, 1-18, 1-20, 2-2, 2-6, 2-53, 2-63, 4-56, 4-122

Wind, 1-1, 1-7, 1-18, 1-20, 2-1, 2-6, 2-7, 2-8, 2-9, 2-10, 2-11, 2-12, 2-14, 2-38, 2-54, 2-55, 2-57, 2-58, 2-59, 2-60, 2-61, 2-63, 2-70, 2-72, 3-2, 3-10, 3-22, 3-23, 3-36, 3-37, 3-47, 3-61, 3-64, 3-

65, 4-1, 4-8, 4-11, 4-14, 4-17, 4-27,
4-29, 4-40, 4-48, 4-56, 4-58, 4-59, 4-
60, 4-65, 4-66, 4-67, 4-69, 4-70, 4-
71, 4-73, 4-77, 4-79, 4-80, 4-83, 4-
84, 4-86, 4-89, 4-90, 4-97, 4-98, 4-
99, 4-103, 4-106, 4-113, 4-114, 4-
132, 4-133, 4-134, 4-135, 4-136, 4-
137, 4-138, 5-13, 5-17, 5-19, 5-20, 5-
22, 5-24