

INDEX

ABORIGINAL PEOPLES. *See also* MUNICIPALITIES AND COMMUNITIES

Interests of, 14, 15, 98-99, 146, 187, 324, 335, 380fn25
Programs for, 14-15, 288, 334, 336-37, 340
Projects involving, 329-31, 334-40

ADAPTATION

Assessment (Canada), 13, 128, 131-32, 136
Bali Road Map, 31
International and Regional Efforts, 7fn2, 31, 33, 121, 160-61
Plans and Programs (Canada), 130, 141, 142, 143, 185-86, 234, 334, 374

AGRICULTURE SECTOR. *See also* ANAEROBIC DIGESTION; BIOENERGY

Climate Change Impacts of, 303
Climate Change Impacts on, 120
Green Energy Opportunities, 24fn106, 301, 303, 304, 307-308
Greenhouse Gas Emissions, 174
Nutrient Management, 307-308
Regulation of, 307-308, 373
Renewable Energy Project Impacts on, 331

AIR POLLUTANTS. *See* POLLUTANTS

ALTERNATIVE ENERGY. *See also* RENEWABLE ENERGY

Definitions, 41-42, 359
Development of Alternative Energy, 35, 48fn35, 81, 170, 193, 197, 204, 197-98, 269, 297fn40, 345, 359
Fuel Cells, 47-48, 58fn85, 70, 274, 331
Technologies, 26, 81, 145, 193

AMERICAN NATIONAL STANDARDS INSTITUTE. *See* CODES AND STANDARDS

AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR-CONDITIONING ENGINEERS (ASHRAE). *See* CODES AND STANDARDS

ANAEROBIC DIGESTION. *See also* AGRICULTURE SECTOR; BIOENERGY

Bioenergy Production, 45, 306-308, 314

Definitions, 306-307

Regulation of, 307-308, 324-25

APPLIANCES AND EQUIPMENT. *See also* CODES AND STANDARDS; CONSERVATION AND EFFICIENCY; INCENTIVES; LIGHTING

Energy Efficiency, 34, 38, 280-283

Renewable or Green Energy Equipment, 52, 203-206

Standards, 146, 162, 203-206, 280-83

APPROVAL AND REGULATORY PROCESSES. *See also* IMPLEMENTATION ISSUES IN CANADA; RENEWABLE ENERGY PROJECTS

One Project/One Assessment Approach, 166

Proliferation of, 106-109, 322

Regulatory Efficiency, 108-109, 145, 148, 192-93

Regulatory Performance Improvement Working Group, 322

Renewable Energy Approval (Ontario), 19fn74, 59, 307-308, 314-15, 323-27

Single Window, 108, 224-25, 327

Streamlining, 58-59, 305fn89, 314, 322-28, 331-32

ARCTIC. *See also* ENERGY AND CLIMATE CHANGE STRATEGIES AND PLANS

Arctic Climate Impact Assessment, 184-85

Arctic Council, 184-185

Impact of Climate Change, 13, 120, 122, 163, 184-86

Northwest Territories, 5fn10, 99, 142, 166, 184-90, 193, 199, 313fn2, 333

Nunavut, 16, 99, 142, 184-90, 199

Yukon, 98-99, 106, 142-43, 151, 166, 184-90, 258-59, 269

ATLANTIC PREMIERS, COUNCIL OF. *See also* NEW ENGLAND GOVERNORS — EASTERN CANADIAN PREMIERS

Action Plans, 156-7

Atlantic Ministers' Forum on Energy, 156, 293fn13

Composition and Origins, 155

Energy Efficiency Initiatives, 156-57

Green Energy Transmission, 79, 158

NEG/ECP Activities, 156-57, 161

INDEX

BALI ROAD MAP. *See* UNITED NATIONS FRAMEWORK
CONVENTION ON CLIMATE CHANGE

BERGEN DECLARATION. *See* PRECAUTIONARY PRINCIPLE

BIOENERGY. *See also* AGRICULTURE SECTOR; ANAEROBIC
DIGESTION; FORESTRY SECTOR; NATURAL RESOURCES
CANADA

Barriers, 46-47, 56, 72, 306

Biodiesel or Renewable Diesel, 240, 275-79, 301, 304

Biofuels and Blended Fuels, 48fn35, 68, 72, 82-83, 142, 206, 239-40, 275-79,
291, 297, 301-306, 326, 345, 380

Biogas, 41, 45, 48, 69fn148, 291, 297fn36, 301-302, 306-10, 311, 326, 345,
380

Biomass, 45-47, 48fn35, 55-56, 66, 69, 70, 104, 171, 174-75, 190, 225-27, 239-
40, 294, 298, 301-306, 325, 362, 369

Canadian Resources, 45-46, 171, 184fn113, 303-306

Definitions, 45, 301-302, 306-307

Environmental Impact, 46-47

Ethanol, 42, 45, 68, 275-78, 301-302, 304

Global Bioenergy Partnership, 40, 45

Landfill Gas, 45, 142, 227, 239, 297, 301-302, 307-10, 326, 329, 345

NextGen Biofuels Fund, 82-83

Strategy, 171, 190, 301, 302-306

BIOMASS. *See* BIOENERGY

BRUNDTLAND REPORT. *See* SUSTAINABILITY

BUILDINGS. *See also* CODES AND STANDARDS; CONSERVATION
AND EFFICIENCY; INCENTIVES

Canadian Commission on Building and Fire Codes, 146-47, 261-62

Community and Regional Planning and Programs, 372-76

Council of Energy Ministers' Initiatives, 146-48

Council of the Federation Initiatives, 143

Energy Usage and Efficiency, 34, 38, 143, 146-47, 200, 206, 261-67

Federal Buildings Initiative, 128, 267

Government or Government-funded Buildings, 128, 143, 235, 266-68, 297-8

Green Buildings Envelope, 200

Green Globes, 267

LEED, 266

Model National Energy Code for Buildings, 143, 146-47, 261-64

Model National Energy Code for Houses, 261-62

National Building Code, 143, 261-66

NEG/ECP Action Item, 162

Provincial Building Codes, 261-66

CANADIAN STANDARDS ASSOCIATION. *See* CODES AND STANDARDS

CANMET ENERGY. *See* NATURAL RESOURCES CANADA

CAP-AND-TRADE. *See* GREENHOUSE GAS EMISSIONS TRADING

CARBON CAPTURE AND STORAGE. *See also* CLEAN ENERGY DIALOGUE; FUNDS AND FUNDING; TECHNOLOGY AND INNOVATION; WESTERN PREMIERS/WESTERN ENERGY ALLIANCE

Benefits and Opportunities, 26, 36-37, 84-87, 153-54, 298

Canada's Role, 84, 87, 137, 183-84, 362-63

Carbon Sequestration Leadership Forum, 35, 85-86

Clean Energy Dialogue Collaboration, 64, 84, 87, 125-26

Demonstration Projects, 36-37, 86-87, 366-67

Description, 85, 365

Emissions Offset or Exclusion Treatment, 252, 360-61, 362-63, 368

Enhanced Hydrocarbon Recovery, 183-84, 357, 368

Financial Support, 237-38, 366-67, 378fn13

IEA/G8 Initiatives, 35-37, 85-86

Legal Rights, Obligations and Liability, 367-68

Technological Development, 84-86, 125-26, 163, 359, 366

West Coast Regional Carbon Sequestration Partnership, 86, 365fn62

Western Premiers' Priority Item, 84, 163, 365-66

CARBON DIOXIDE. *See* GREENHOUSE GASES

CARBON TAX

British Columbia, 172, 239-41, 371

Cap-and-Trade, compared to, 238-39, 243-44

De Facto Tax, 242-43

Green Energy Initiative, as a, 106, 120, 172

Price on Carbon, 52, 238-39, 359

Québec, 241-242

CLEAN ENERGY DIALOGUE. *See also* CARBON CAPTURE AND STORAGE; ELECTRICITY GRID

Carbon Capture and Storage, 64, 84, 87, 125

Clean Energy Technology, 125

Electricity Grid, 73, 125-26

Electricity Trade, 112fn53

CLEAN ENERGY — DEFINITION. *See* ENERGY CONCEPTS

CLEAN ENERGY TECHNOLOGY or “CLEANTECH”. *See* TECHNOLOGY AND INNOVATION

INDEX

CLIMATE CHANGE. *See also* EARTH SUMMIT; GREENHOUSE GASES; KYOTO PROTOCOL; SUSTAINABILITY; UNITED NATIONS FRAMEWORK CONVENTION ON CLIMATE CHANGE

Action Plan – 2000, 130-131

British Columbia Climate Action Charter, 371

Commissioner of the Environment and Sustainable Development, 19, 97-98, 133, 138-39, 208

Impacts, 7-8, 13, 128, 144, 180, 184-86, 216-20, 374

Intergovernmental Panel on Climate Change, 7-8, 34-35, 175fn240, 298

National Action Program on Climate Change, 127-28

National Action Strategy on Global Warming, 127

National Climate Change Business Plan, 130

National Climate Change Process, 129-30, 144, 157

National Climate Change Secretariat, 129, 144

National Climate Change Task Force, 127

National Implementation Strategy, 130

Need for Action, 7-11, 33, 34-37, 101

Opportunities, 25-27

Stern Review, 33, 160fn61, 238fn158

“Turning the Corner” Action Plan, 67, 115, 120, 133-35, 137, 221fn51, 247

CLIMATE CHANGE STRATEGIES AND PLANS. *See* ENERGY AND CLIMATE CHANGE STRATEGIES AND PLANS

CLIMATE REGISTRY, THE. *See* GREENHOUSE GAS EMISSIONS REPORTING

COAL. *See* FOSSIL FUELS

CODES AND STANDARDS. *See also* APPLIANCES AND EQUIPMENT; BUILDINGS; CONSERVATION AND EFFICIENCY; RENEWABLE ENERGY; RENEWABLE ENERGY PROJECTS; SOLAR POWER; VEHICLES; WIND POWER

American National Standards Institute, 203-204

American Society of Heating, Refrigerating and Air-Conditioning Engineers, 266

Canadian Electrical Code, 313, 343

Canadian Standards Association, 203-204, 281, 301fn62, 313fn2/fn3

Council of Energy Ministers’ Initiatives, 146-48

Council of the Federation Initiatives, 140, 143

Harmonization, 69, 201-202, 261, 271-72, 274, 281-82, 284

International Electrotechnical Commission, 201-203

International Organization for Standardization, 201-203

Interoperability Standards, 74-75, 201-202

National Institute of Standards and Technology, 202

National Research Council, 147, 261-62

CANADIAN GREEN ENERGY LAW AND POLICY

CODES AND STANDARDS — *continued*

National Standards System, 200
NEG/ECP Action Item, 162
Standards Council of Canada, 199-204
Voluntary, 199-200, 203, 280

COGENERATION. *See* COMBINED HEAT AND POWER

COMBINED HEAT AND POWER. *See also* DISTRIBUTED ENERGY; GENERATION OF ENERGY; NATURAL GAS

Benefits and Opportunities, 66, 70, 301, 338fn169, 364, 369-70
Cogeneration, 66, 72, 226, 305-306, 329, 369
Distributed Energy Benefits, 70, 72, 364, 369-70
Efficiency, 66, 70, 364, 369-70

COMMUNITIES. *See* MUNICIPALITIES AND COMMUNITIES

CONSERVATION AND EFFICIENCY. *See also* APPLIANCES AND EQUIPMENT; BUILDINGS; CODES AND STANDARDS; LIGHTING; TECHNOLOGY AND INNOVATION; VEHICLES

Atlantic Premiers' Initiatives, 156-57
Barriers, 40, 256
Benefits and Opportunities, 4, 62-64, 107
Buildings, 34, 38, 146-47, 190, 200, 206, 261-69, 372-73
Combined Heat and Power Efficiency, 66, 70, 364, 369-70
Cost Assessments to Support, 259-60
Council of Energy Ministers' Initiatives, 145-48
Council of the Federation Initiatives, 140, 142-43
Definitions, 59-62
Efficiency Standards, 133, 142, 200, 203-206, 261-68, 269-73, 280-84
Energuide, 206, 264, 265-66, 266-67, 269, 280
Energy Efficiency (Canada), 38, 119, 183, 191
Energy Savings Certificates, 61-62
ENERGY STAR, 204, 206, 280 282-83
Global Energy Efficiency Action, 38
IEA/G8 Views, 34-38
Industrial Sector, 62fn106, 107, 146, 205, 285-86
International Partnership for Energy Efficiency Cooperation, 38, 40,
63fn109
Jurisdiction, 205
Municipal and Community Programs, 337, 376
Planning and Strategy, 38, 108-109, 140, 145-46, 191, 255-58, 286-90, 371-
75, 379
Shared Atlantic Vision for Energy Efficiency, 157
Technology Focus, 83, 140-41, 145, 377-78

INDEX

CONSTITUTIONAL DIVISION OF POWERS. *See also* IMPLEMENTATION ISSUES IN CANADA

Aboriginal Peoples, 334
Building Codes, 261
Efficiency of Energy-Using Products, 205
Energy and electricity, 91-97, 316-17, 363
Environment, 97-98, 220
Extraprovincial connections, 95-96, 110-15
FIT programs, 57, 292
Meters, 341
Natural Resources, 42, 92-95, 98-99
Nuclear Energy, 92, 95, 316
Renewable Energy, 91, 99-100, 316-17, 363
Territories, 98-99
Water Power, 97, 316-17

COPENHAGEN ACCORD. *See* UNITED NATIONS FRAMEWORK CONVENTION ON CLIMATE CHANGE

COUNCIL OF THE FEDERATION

Climate Change and Green Energy Initiatives, 25, 101-102, 107, 141-43, 161, 267, 308
Composition, Origins and Mandate, 101-103, 139, 151, 156
Energy Efficiency Five Point Plan, 142-43, 263, 267
Energy Strategy, 108, 113-14, 140-41, 322
Federal, Provincial and Territorial Roles, 102, 151
Seven Point Action Plan, 113-14, 140-41, 322

DEMAND MANAGEMENT. *See* CONSERVATION AND EFFICIENCY

DISTRIBUTED ENERGY. *See also* COMBINED HEAT AND POWER; ELECTRICITY GRID

Benefits, 14, 48, 68-69, 70 fn157, 335
Conservation, and, 61
Definitions, 68
Integration into Grid, 77

DISTRIBUTORS, ELECTRICITY AND GAS. *See* UTILITIES

DISTRICT ENERGY. *See also* NATURAL GAS

Benefits, 72-73, 327
Description, 71-72, 332
Regulation, 332-34
Thermal Energy Distribution, 71, 332-34, 364

EARTH SUMMIT. *See also* CLIMATE CHANGE; SUSTAINABILITY;
UNITED NATIONS FRAMEWORK CONVENTION ON CLIMATE
CHANGE

Background, 18

Climate Change, and, 18, 29, 80, 121

Sustainability, and, 18-19, 29

EcoENERGY PROGRAMS. *See* NATURAL RESOURCES CANADA

ECONOMIC DEVELOPMENT. *See also* SUSTAINABILITY; TECH-
NOLOGY AND INNOVATION

Bioeconomy 154, 297, 380

Domestic Content Requirements, 26, 330-31, 380-82

Green Economy, 7, 15, 17, 24-27, 51, 53, 173, 180, 182, 191, 301-308, 330-31,
377-82

Green Jobs, 24, 26, 331, 377, 380-82

Québec Economic Development, 181-82, 191

Smart Grid, 349

Sustainability, and, 17-18, 22, 207-11, 373-74

ECONOMICS OF CLIMATE CHANGE. *See also* CLIMATE CHANGE;
FOSSIL FUELS; SUSTAINABILITY

Carbon Market, 124, 151fn4, 247

Externalities, 237-38

Fossil Fuel Economics, 16, 55, 180, 187, 189

Greenhouse Gas Reduction Measures, economics of, 85, 238-39, 243-44,
292-93

Price on Carbon, 238-39, 359

Stern Review, 33, 160fn61, 238fn158

Sustainability Economics, 211fn37

EFFICIENCY. *See* CONSERVATION AND EFFICIENCY

ELECTRICITY GRID. *See also* DISTRIBUTED ENERGY; NET
METERING; RENEWABLE ENERGY PROJECTS; SMART GRID;
TRANSMISSION OF ENERGY

Clean Energy Dialogue Collaboration, 73, 125-26

Connection of Remote Communities, 5, 335, 337-38

Integration of Distributed Energy, 77

Integration of Renewable Energy Generation, 48-49, 69, 73-77, 158, 177-78,
203, 297, 318, 345-47

Interoperability, 74-75, 201-202, 349

Microgrid, 71

EMISSION INTENSITY. *See* GREENHOUSE GAS EMISSIONS
LIMITS AND TARGETS

INDEX

EMISSIONS REPORTING. *See* GREENHOUSE GAS EMISSIONS REPORTING

EMISSIONS TAX. *See* CARBON TAX

EMISSIONS TRADING. *See* GREENHOUSE GAS EMISSIONS TRADING

ENERGUIDE. *See* CONSERVATION AND EFFICIENCY

ENERGY CONCEPTS

Energy Intensity, 22, 38fn74, 62, 119, 183, 219

Energy Security, 16-17, 37, 39, 41-42, 55, 56, 62-63, 67, 69, 70, 126, 140, 154

Green or Clean Energy Definitions, 3-6, 64

ENERGY FROM WASTE. *See* WASTE MANAGEMENT

ENERGY INTENSITY. *See* ENERGY CONCEPTS

ENERGY MINISTERS, COUNCIL OF

Activities, 84fn230, 108-109, 144-48

Composition, 144

Cooperation on Energy Efficiency, 108-109, 151

Council of the Federation Strategy, [Link to](#), 140

Energy Technology Working Group, 145

ENERGY AND CLIMATE CHANGE STRATEGIES AND PLANS

Alberta, 86, 169-171, 190, 192, 266, 346, 359

British Columbia, 53, 86, 171-173, 190, 191, 193, 266, 359-60, 377

Canada, 12, 13-14, 26, 82-83, 101-104, 105, 113, 115, 119, 123-24, 126-39, 231-32, 247, 285-86, 362

Community Climate Change Plans, 148-49, 371, 375-76

Jurisdiction, overlapping, 101-104, 105-106

Manitoba, 102, 172-74, 190, 193, 232

New Brunswick, 41, 161, 174-75, 190, 377

Newfoundland & Labrador, 110-11, 113, 115, 161, 175-78, 190, 193, 335fn153

Northwest Territories, 184-89, 190, 193

Nova Scotia, 14, 24-25, 47, 51, 74, 79, 101, 120, 162, 178-79, 190-91, 306, 369, 377

Nunavut, 16, 184-89, 190

Ontario, 15, 23-24, 25, 51, 65, 190-91, 257, 286-87, 295, 337-38, 361, 365, 370

Prince Edward Island, 16, 25, 49, 61, 75, 79, 110, 158, 161, 180-81, 190, 335, 342

Québec, 49, 81-82, 161-62, 181-82, 190, 193, 256-57, 335-36

Saskatchewan, 86, 183-84

Yukon, 106, 142-43, 184-89, 190

CANADIAN GREEN ENERGY LAW AND POLICY

ENERGY SAVINGS CERTIFICATES. *See* CONSERVATION AND EFFICIENCY

ENERGY SECURITY. *See* ENERGY CONCEPTS

ENERGY TECHNOLOGY WORKING GROUP. *See* ENERGY MINISTERS, COUNCIL OF

ENERGY STAR. *See* CONSERVATION AND EFFICIENCY

ENVIRONMENT MINISTERS, COUNCIL OF

Activities, 135fn117, 143-44

Climate Change Initiatives, 144-45, 164

Composition, 143

ENVIRONMENTAL OBJECTIVES, ROLES AND CONCEPTS. *See also* POLLUTANTS; PRECAUTIONARY PRINCIPLE; SUSTAINABILITY

Buildings, 262-63

Commissioner of the Environment and Sustainable Development, 19, 97-98, 133, 138-39, 208

EcoLogo Program, 292, 294fn16, 295

Environmental Commissioner of Ontario, 3fn2, 60, 62, 83, 179, 229, 251fn244, 255-56

Equivalency Agreements, 109fn39, 221

Greenhouse Gases and Environmental Protection Legislation, 220-22

Statements of Environmental Values, 19fn74, 197fn2, 210-11, 315

Sustainability Goals, 177, 208-10, 242, 256, 373-74

EQUIPMENT. *See* APPLIANCES AND EQUIPMENT

EQUIVALENCY AGREEMENTS. *See* ENVIRONMENTAL OBJECTIVES, ROLES AND CONCEPTS

FEED-IN TARIFF AND STANDARD OFFER. *See also* GENERATION OF ELECTRICITY; RENEWABLE ENERGY; RENEWABLE ENERGY PROJECTS

Benefits, 328-29

Description, 57, 328

FIT Programs, 14, 50fn45, 57, 70fn157, 292, 296, 328-31, 336, 338-39, 369, 380-82

Jurisdictional Issues, 57, 292

Standard Offer Programs, 296, 311fn130, 327-29, 369-70

FIRST NATIONS. *See* ABORIGINAL PEOPLES

INDEX

FORESTRY SECTOR. *See also* BIOENERGY

Deforestation, 9

Forest Biomass, 46fn22/fn25, 47, 104, 171, 174-75, 190, 294, 302, 303, 305-306, 310fn122, 311fn126, 369

Forest Management and Sustainability, 121, 124 174, 190, 304-306, 315fn17, 316

Green Energy Opportunities, 45-47, 303-306

FOSSIL FUELS. *See also* GENERATION OF ELECTRICITY; NATURAL GAS; NON-RENEWABLE RESOURCES

Coal and hydrocarbons, 51, 64-65, 84, 86, 137, 153-54, 169, 178, 182-83, 191, 344, 357-65

Description, 9fn15

Diesel Fuel, 5, 14, 50, 82-83, 104, 184, 188, 241, 275-79, 311fn27, 335fn154, 337-38

Enhanced Recovery, 183-84, 357, 368

Oil Sands, 65, 87, 137, 169-70, 218-20, 357-58

Opportunities, 26-27, 64-66, 145, 170, 187-89

Release of greenhouse gases, 9, 169-70, 216-18

Role in Energy Supply, 7, 9fn15, 26, 55-56, 64-68, 84-87, 169-70, 183, 186, 188-89, 192fn169, 344, 359

Volatility of prices, 16-17, 55, 187-89

FUEL CELLS. *See* ALTERNATIVE ENERGY

FUELS. *See* ALTERNATIVE ENERGY; FOSSIL FUELS; NATURAL GAS; NON-RENEWABLE RESOURCES; RENEWABLE ENERGY; TRANSPORTATION SECTOR; VEHICLES

FUNDS AND FUNDING. *See also* INCENTIVES; KYOTO PROTOCOL; TECHNOLOGY AND INNOVATION

Aboriginal and Community Funding, 14-15, 337, 338-39

Biodiesel Fund (Manitoba), 304

Carbon Capture and Storage, 237-38, 366-67, 378fn13

Climate Action Revenue Incentive Program (B.C.), 371

Climate Change Action Fund, 129

Climate Change and Emissions Management Fund (Alberta), 234, 237, 242-43, 252, 277, 301, 366, 378-79

Electricity Demand Side Management Fund (Nova Scotia), 259-60, 289-90

Energy Efficiency, 107, 258-59, 268-69, 289-90

Energy Efficiency Resource and Funding Guide (Ontario), 107

Ethanol Fund (Manitoba), 304

First Nations Clean Energy Business Fund (B.C.), 337

Global Environment Facility, 80

Green Climate Fund, 33

Green Fund (Québec), 241-42, 251, 272

CANADIAN GREEN ENERGY LAW AND POLICY

FUNDS AND FUNDING — *continued*

Green Municipal Fund, 149
Greenhouse Gas Reduction Account (Ontario), 251
Innovative Clean Energy Fund (B.C.), 378
Saskatchewan Technology Fund Corporation, 237, 253
Sustainable Development Technology Canada, 82-83, 301, 378

GENERATION OF ELECTRICITY. *See also* COMBINED HEAT AND POWER; DISTRIBUTED ENERGY; DISTRICT ENERGY; GREENHOUSE GASES; HYDROELECTRIC POWER; ELECTRICITY GRID; OCEAN ENERGY; RENEWABLE ENERGY; RENEWABLE ENERGY PROJECTS; SOLAR POWER; WIND POWER

Black Start Capability, 83-84
Climate Change Impact of, 36, 51, 65, 154-155, 363fn50
Coal-Fired Generation, 36, 51, 56fn77, 65, 84, 114-15, 137, 153fn16, 169-70, 179-80, 183, 298, 325, 344, 345, 357-65
Dispatchable, 49fn43, 51
Gas-Fired Generation, 5, 51, 170, 178, 183, 298, 326, 357-65
Greenhouse Gas Emissions Limits, 137, 154-5, 229-30, 232, 233, 298, 362-64
Jurisdiction Over, 91-97
Microgeneration, 69, 203fn50, 331-32, 342-45, 359
Nameplate Capacity, 321-22, 329, 332, 343, 369
Oil-Fired Generation, 178
Small Scale, 56, 68-73, 183, 320-21, 327-32, 335-36, 342

GEOHERMAL AND GEOEXCHANGE ENERGY. *See also* RENEWABLE ENERGY; RENEWABLE ENERGY PROJECTS

Benefits and Opportunities, 52, 299
Canadian Resources, 52, 299, 184fn113, 300fn59
Codes and Standards, 203-204, 300-301
Definitions, 52, 299-300
Resource Rights, 299-300

GLENEAGLES PLAN OF ACTION. *See* GROUP OF 8 NATIONS

GLOBAL BIOENERGY PARTNERSHIP. *See* BIOENERGY

GLOBAL WARMING and GLOBAL WARMING POTENTIAL. *See* GREENHOUSE GASES

GREEN ECONOMY. *See* ECONOMIC DEVELOPMENT

GREEN ENERGY ADVISORY TASK FORCE (BC)

Approval Process for Green Energy Projects, 193
Clean Technology Commentary, 79
Community and First Nations Strategy, 14-15
Decentralized Generation Commentary, 69

INDEX

GREEN ENERGY — DEFINITION. *See* ENERGY CONCEPTS

GREEN JOBS. *See* ECONOMIC DEVELOPMENT

GREEN MUNICIPAL FUND. *See* FUNDS AND FUNDING

GREENHOUSE GAS EMISSIONS LIMITS AND TARGETS. *See also* GREENHOUSE GAS EMISSIONS REPORTING; GREENHOUSE GAS EMISSIONS TRADING; MIDWESTERN GREENHOUSE GAS REDUCTION ACCORD; REGIONAL GREENHOUSE GAS INITIATIVE; WESTERN CLIMATE INITIATIVE

Certified Emission Reduction Credits, 124-25, 247fn213

Electricity Sector Limits, 137, 154-55, 161, 229-30, 232, 233, 298, 362-63

Emission Intensity Limits or Targets, 13, 134, 218-20, 233-34, 247, 252, 298, 362-64

International, 30-33, 121-25, 126, 192, 213-14, 246-47

Provincial, 209, 222, 233-36, 247-53, 286, 372, 375

Regional, 152-54, 160-61, 192, 372

Western Climate Initiative Program Implementation, 233

GREENHOUSE GAS EMISSIONS REPORTING. *See also* GREENHOUSE GAS EMISSIONS LIMITS AND TARGETS; GREENHOUSE GAS EMISSIONS TRADING; MIDWESTERN GREENHOUSE GAS REDUCTION ACCORD; REGIONAL GREENHOUSE GAS INITIATIVE; WESTERN CLIMATE INITIATIVE

Biomass Exclusion, 225-27

Canadian Institute of Chartered Accountants Guidance, 231

Canadian Requirements, 223-31, 274, 360-62, 371-72

Climate Disclosure Project, 223

Climate Disclosure Standards Board, 223

Climate Registry (The), 141-42, 153, 161, 223

Greenhouse Gas Reporting Program, 225

International Reporting, 121

Securities Law Disclosure, 230-31

Single Window, 224-25

Specified Gas Reporting Standard (Alberta), 225-26

Voluntary Challenge and Registry, 128

Voluntary Reporting, 128, 141, 223, 225, 226, 228-29

Western Climate Initiative Program Implementation, 226, 228

GREENHOUSE GAS EMISSIONS TRADING. *See also* GREENHOUSE GAS EMISSIONS LIMITS AND TARGETS; GREENHOUSE GAS EMISSIONS REPORTING; MIDWESTERN GREENHOUSE GAS REDUCTION ACCORD; REGIONAL GREENHOUSE GAS INITIATIVE; WESTERN CLIMATE INITIATIVE

Canada, 134, 222, 245-53, 274, 276

GREENHOUSE GAS EMISSIONS TRADING — *continued*

Carbon Market, 124, 151fn4, 247
Carbon Tax, Compared to, 238-39, 243-44
Cap-and-Trade, 152, 153-55, 238, 243-53, 269fn99
European Union Emissions Trading Scheme, 245-47
Kyoto Protocol Emissions Trading Scheme, 124
Offsets, 156, 234, 247, 249, 252, 253
Pacific Carbon Trust, 249fn233
Voluntary Programs, 243

GREENHOUSE GASES. *See also* CLIMATE CHANGE; UNITED NATIONS FRAMEWORK CONVENTION ON CLIMATE CHANGE

Application of Environmental Legislation, 10-11, 216-18, 220-23
Canadian Emissions of, 12-13, 22, 119-20, 122-24, 170
Carbon Dioxide, 9, 65, 87
Carbon Dioxide Equivalent, 123, 133, 137, 218, 225-29, 234-36, 240, 248, 252, 274
Carbon Footprint, 65, 67, 249fn233, 374
Carbon Intensity, 50-51fn48, 277, 364
Carbon Neutrality, 46, 227, 235, 249, 268, 279, 371
Definitions, 8-9, 221-22, 225
Energy/Electricity Sector Greenhouse Gas Emissions, 9, 12, 36, 64-65, 85-87, 119-20, 170, 174, 178, 183, 186, 271fn111
Global Warming Potential, 123, 224, 225, 309
Greenhouse Effect (Global Warming), 5, 9-10

GROUP OF 8 NATIONS. *See also* INTERNATIONAL ENERGY AGENCY

Composition and Origins, 33-34
Energy and Climate Change Initiatives, 7, 25-26, 33-38, 40
Gleneagles Plan of Action, 34-35, 86

HYDROELECTRIC POWER. *See also* GENERATION OF ELECTRICITY; RENEWABLE ENERGY; RENEWABLE ENERGY PROJECTS; STORAGE OF ENERGY

Barriers, 58, 110, 175-77, 187
Benefits and Opportunities, 16, 26-27, 43, 49, 57, 79, 171, 173, 177, 181-82, 187-88, 295
Canadian Resources, 14, 43, 65fn124, 153, 171, 173, 175-76, 179, 181, 184fn113, 187, 293
Complementary to Variable Generation, 49, 79, 173, 182
Dams, 4fn7, 313fn1
Environmental Impact, 3-4, 43-44, 58, 173, 323-26
Large Scale, 43-45, 345fn26
Projects, 175-77, 296, 313fn1, 317, 323-26, 329, 345fn26

INDEX

HYDROELECTRIC POWER — *continued*

Storage of Energy, 43, 57, 58, 317

Water Rights, 177, 313fn1, 315fn17, 317

IMPLEMENTATION ISSUES IN CANADA. *See also* APPROVAL AND REGULATORY PROCESSES; CONSTITUTIONAL DIVISION OF POWERS; ENERGY AND CLIMATE CHANGE STRATEGIES AND PLANS; RENEWABLE ENERGY PROJECTS

Barriers Due To Canadian Circumstances, 12-13, 38, 91, 99-100, 109-15, 119, 132-33, 135-37, 138-39, 192-93

Collaboration, need for, 101-104, 105-106, 109-11, 120, 147-48, 151, 164, 166

Constitutional Issues, 91-115

Consultation, extent of, 105-106, 126-35

Harmonization, 104-106, 164, 272, 282

Inter-Regional Issues, 101-102, 109-15, 158, 175-78, 178-79, 180-81

Leading Practices, 107, 141, 267fn84

Proliferation of Programs, 106-109

INCENTIVES. *See also* APPLIANCES AND EQUIPMENT; BUILDINGS; FUNDS AND FUNDING; RENEWABLE ENERGY; TECHNOLOGY AND INNOVATION; TRANSPORTATION SECTOR

Appliances and Equipment, 282-83, 300

Buildings, 268-69

Canada Emission Reduction Incentives Agency, 232

Renewable Energy, 39, 296-97, 300, 302, 378-80

Tax Programs and Incentives, 279, 282-83, 296-97, 300, 302fn65/fn68, 379-80

Transportation, 279

INDUSTRIAL SECTOR. *See also* CONSERVATION AND EFFICIENCY; GREENHOUSE GAS EMISSIONS LIMITS AND TARGETS; GREENHOUSE GAS EMISSIONS REPORTING; GREENHOUSE GAS EMISSIONS TRADING

Energy Usage and Efficiency, 62fn106, 107, 146, 174, 205, 269, 285-86

Greenhouse Gas Emissions, 85, 120, 233, 246, 285-86, 366

Regulatory Framework for Industrial Greenhouse Gas Emissions, 133-39, 286

INTERGOVERNMENTAL PANEL ON CLIMATE CHANGE. *See* CLIMATE CHANGE

INTERNATIONAL ENERGY AGENCY. *See also* ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT

Canada, commentary about, 22, 38, 99, 101, 103, 106, 115, 119-20, 273

Carbon Capture and Storage Commentary, 85-87, 366

CANADIAN GREEN ENERGY LAW AND POLICY

INTERNATIONAL ENERGY AGENCY — *continued*

Clean Energy Technology Commentary, 79
Combined Heat and Power Commentary, 66
Energy and Climate Change Data, 9, 35-38
Energy Efficiency Data, 38
Energy Intensity Data, 22, 62
Fossil Fuels Commentary, 65-66
Nuclear Power Commentary, 67
Origins, 35

INTERNATIONAL ELECTROTECHNICAL COMMISSION. *See*
CODES AND STANDARDS

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION. *See*
CODES AND STANDARDS

**INTERNATIONAL PARTNERSHIP FOR ENERGY EFFICIENCY
COOPERATION.** *See* CONSERVATION AND EFFICIENCY

INTERNATIONAL RENEWABLE ENERGY AGENCY. *See* RENEW-
ABLE ENERGY

JURISDICTION. *See* CONSTITUTIONAL DIVISION OF POWERS

JUSTICIABILITY

Compliance with Kyoto Protocol, 215
Regulation of Greenhouse Gas Emissions, 10-11, 216-17

KYOTO PROTOCOL. *See also* CLIMATE CHANGE; GREENHOUSE
GASES; IMPLEMENTATION ISSUES IN CANADA; JUSTICI-
BILITY; SUSTAINABILITY; UNITED NATIONS FRAMEWORK
CONVENTION ON CLIMATE CHANGE

Clean Development Mechanism, 80, 124, 134, 232, 247
Emissions Trading Scheme, 124
Greenhouse Gas Emission Reductions, 30-31, 122-25
Implementation (Canada), 128-29, 130-39, 144-45, 213-15, 223, 231-32, 235-
36
Joint Implementation Mechanism, 80, 124, 247
Kyoto Protocol Implementation Act, 8fn7, 67, 120, 122, 135-36, 138-39,
208, 213-15
Origins, 30-31, 121-22

LAND USE PLANNING

Community and Regional Planning, 58-59, 322-25, 371-75
Provincial Land Use Policies, 371-75
Transportation, 279, 373

LANDFILL GAS. *See* BIOENERGY

INDEX

LEADERSHIP IN ENERGY AND ENVIRONMENTAL DESIGN (LEED).

See BUILDINGS

LIGHTING. *See also* APPLIANCES AND EQUIPMENT; CONSERVATION AND EFFICIENCY

Energy Efficiency, 147, 205, 265, 281

Incandescent Light-Bulbs, 283-84

International Energy Association Priority Area, 38

LOCAL GOVERNMENT POWERS. *See* MUNICIPALITIES AND COMMUNITIES

LOW INCOME ENERGY CONSUMERS

Programs for, 258, 288

MANDATES, GREEN ENERGY. *See also* UTILITIES

British Columbia, 198, 298

Energy Efficiency, 258

Ontario, 197-98, 258, 297-98

Québec, 198-99

Renewable Energy, 297-98

Utility Mandates, 198-99

MARRAKESH ACCORDS. *See* UNITED NATIONS FRAMEWORK CONVENTION ON CLIMATE CHANGE

MIDWESTERN GREENHOUSE GAS REDUCTION ACCORD

Activities, 153-54

Cap-and-Trade Mechanism, 153-54

Composition and Origins, 153

Platform, 154

MUNICIPALITIES AND COMMUNITIES. *See also* ABORIGINAL PEOPLES; LAND USE PLANNING; RENEWABLE ENERGY PROJECTS; WASTE MANAGEMENT

British Columbia Climate Action Charter, 371

C40 Group of Cities, 39fn76

Community-Building Initiatives, 14-15, 69, 335-36, 338-39, 380fn25

Community Climate Change Plans, 148-49, 371, 375-76

Green Municipal Fund, 149

Local Government Powers, 375-76

Municipal Waste, 308-11

Partners for Climate Protection, 148-49, 375

Projects and Programs Involving, 148-49, 329-31, 334-39, 376

Remote Communities, 5, 14, 15, 50, 184-89, 334-35, 337-39

NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY. *See* CODES AND STANDARDS

CANADIAN GREEN ENERGY LAW AND POLICY

NATIONAL RESEARCH COUNCIL OF CANADA. *See* CODES AND STANDARDS

NATURAL GAS. *See also* COMBINED HEAT AND POWER; DISTRICT ENERGY; FOSSIL FUELS; GENERATION OF ENERGY; NON-RENEWABLE RESOURCES

Alternative Fuel, 42

Benefits and Opportunities, 50-51, 178, 364-65, 370

Canadian Production and Resources, 119, 164-65, 169, 171, 175, 178, 187, 189, 357-60

Climate Change Impact, 51, 364

Combined Heat and Power Fuel, 66, 364, 369-70

Complementary to Variable Generation, 50-51, 178, 364-65

Conservation of, 197, 256-58, 288-89, 357-59

Consumption of, 179, 188

District Heating Fuel, 72, 332-33

Flaring, 357, 359-60

Fuel Cells, 47

High Efficiency, 66, 298, 364

Metering, 341

NATURAL RESOURCES CANADA. *See also* BIOENERGY

Biofuels Initiatives, 279, 301

Building Codes, role in developing, 147, 262, 266-67

CanmetENERGY, 202-203

EcoEnergy Programs, 206, 268, 279, 297, 300, 334

Energy Efficiency Role, 204-206, 280, 281

MicroPower Connect, 69, 203fn50

Office of Energy Efficiency, 204, 206, 266-67

Renewable Energy, 279, 301

NET METERING

Definitions, 69-70, 341-42

Facilitating small-scale generation, 69-70, 291fn2, 328fn105, 297, 342-45

Measurement Canada, 341-342

NEW ENGLAND GOVERNORS — EASTERN CANADIAN PREMIERS.

See also ATLANTIC PREMIERS, COUNCIL OF

Atlantic Premiers' Support, 156-57, 161

Climate Change Action Plan, 156-57, 159-62, 209, 222

Composition and Origins, 159

Energy Efficiency Focus, 162, 191fn166

Implementation of Initiatives (Canada), 161-62, 192, 209, 222

Nine Action Steps, 160-61

Northeast International Committee on Energy, 156, 159

INDEX

- NON-RENEWABLE RESOURCES.** *See also* FOSSIL FUELS;
GENERATION OF ELECTRICITY; NATURAL GAS
Canadian Resources, 16-17, 64-65, 119, 163, 165, 171, 182-83, 187, 357-60
Cleaner Non-Renewable Resources, 34, 64-68, 86fn250, 145, 170, 298, 357-
65, 369, 377
Efficiency, 256, 357-60
Energy Source for District Energy Systems, 72, 364
Jurisdiction, 42
- NORTHEAST INTERNATIONAL COMMITTEE ON ENERGY.** *See*
NEW ENGLAND GOVERNORS — EASTERN CANADIAN
PREMIERS
- NUCLEAR POWER**
Benefits and Opportunities, 5, 36-37, 66-68, 85fn236, 139, 359
Canadian Facilities, 174, 179-80, 365
Climate Change Impact of, 5, 66-68, 345fn26
Jurisdiction Over, 92, 95, 316
- NUISANCE CLAIMS.** *See also* CLIMATE CHANGE; RENEWABLE
ENERGY PROJECTS
Climate Change Impacts, 216-18
Definition, 319
Renewable Energy Project Impacts, 319-20
- OCEAN ENERGY.** *See also* RENEWABLE ENERGY; RENEWABLE
ENERGY PROJECTS; TECHNOLOGY AND INNOVATION
Barriers, 51, 53-54, 79, 179
Benefits and Opportunities, 52-54, 172, 179, 329, 345fn26, 377
Canadian Development of, 53-54, 79
Canadian Resources, 52-53, 172, 179, 184fn113
Ocean Renewable Energy Group, 53-54
Programs and Requirements, 294, 313, 329-30
Technology, 53-54, 179
- OFFSETS.** *See* GREENHOUSE GAS EMISSIONS TRADING
- ORGANISATION FOR ECONOMIC CO-OPERATION AND
DEVELOPMENT.** *See also* INTERNATIONAL ENERGY AGENCY
Carbon Market (Potential), 247
Composition and Origins, 35fn45
Emissions by Member Countries, 12, 13, 119-20
Environmentally Related Taxes, approaches to, 239
International Energy Agency, and, 35

CANADIAN GREEN ENERGY LAW AND POLICY

PACIFIC NORTHWEST ECONOMIC REGION

Composition and Origins, 166

Mandate, 166-67

PARTNERS FOR CLIMATE PROTECTION. *See* MUNICIPALITIES AND COMMUNITIES

POLLUTANTS. *See also* ENVIRONMENTAL OBJECTIVES, ROLES AND CONCEPTS; TRANSPORTATION SECTOR; VEHICLES

Biomass Combustion, from, 47

CFCs/Ozone layer, 11-12, 222-23

Emissions Trading, 232, 244-45

NOx and SOx, 13-14, 233, 244-45

National Pollutant Release Inventory, 225

Reduction of, 14-15, 24, 63, 81, 98, 135, 146, 209, 221, 233, 317, 325, 357-59, 374

Release of, 13, 47, 178

Release of (Canada), 13, 178

Regulation by U.S. Environmental Protection Agency, 10-11, 216, 269-70

Regulatory Framework for Air Emissions, 13, 113, 133-35, 231, 247

Transportation Emissions, 272, 279, 373

PRECAUTIONARY PRINCIPLE. *See also* ENVIRONMENTAL OBJECTIVES, ROLES AND CONCEPTS; SUSTAINABILITY

Bergen Declaration, 19-20

Case Law, 19-21, 315

Meaning, 19-20

Sustainability, and, 207, 210-11

PRIVACY. *See* SMART GRID

REGIONAL GREENHOUSE GAS INITIATIVE

Cap-and-Trade Program, 154-55

Composition and Origins, 154

REGULATORY EFFICIENCY or REGULATORY REFORM. *See* APPROVAL AND REGULATORY PROCESSES

REMOTE COMMUNITIES. *See* MUNICIPALITIES AND COMMUNITIES

RENEWABLE ENERGY. *See also* BIOENERGY; GENERATION OF ELECTRICITY; GEOTHERMAL ENERGY; HYDROELECTRIC POWER; OCEAN ENERGY; RENEWABLE ENERGY PROJECTS; SOLAR POWER; VEHICLES; WIND POWER

Barriers, 40, 50, 53-54, 57, 58-59, 69, 72

Benefits and Opportunities, 16-17, 24-25, 37, 43, 54-56, 191-92

Canadian Resources, 43-54, 119, 153, 169-89, 191

INDEX

RENEWABLE ENERGY — *continued*

Definitions, 41-43, 291-92, 294
EcoLogo Program, 292, 294fn16, 295
International Renewable Energy Agency, 7, 27fn118, 39-40, 43, 47fn28
Jurisdictional Issues, 57, 91, 99-100, 104-105
Low Impact, 54fn64, 292-95, 329, 330fn119, 345
Planning and Strategy, 37, 39-40, 42, 49, 52-53, 56-57, 140-41, 154, 156-58, 164, 170-74, 177-84, 187-89, 191-92, 291-93, 295, 301, 302-306
Renewable Energy and Energy Efficiency Partnership, 39-40
Renewable Energy Certificates, 42-43, 61
Renewable Energy Policy Network for the 21st Century, 39-40
Renewable Portfolio Standards, 42, 44, 57, 61, 104, 157, 192, 244fn200, 292-93, 328
Sustainability, 41, 54-55, 209
Variable or Intermittent Power Production, 37, 48-49, 51, 57-58, 73, 78-79, 83, 110, 158, 178, 181, 182, 318fn35, 342, 345, 364

RENEWABLE ENERGY CERTIFICATE. *See* RENEWABLE ENERGY

RENEWABLE ENERGY AND ENERGY EFFICIENCY PARTNERSHIP.

See RENEWABLE ENERGY

RENEWABLE ENERGY POLICY NETWORK FOR THE 21ST CENTURY. *See* RENEWABLE ENERGY

RENEWABLE ENERGY PROJECTS. *See also* APPROVAL AND REGULATORY PROCESSES; BIOENERGY; GENERATION OF ELECTRICITY; GEOTHERMAL ENERGY; HYDROELECTRIC POWER; OCEAN ENERGY; PRECAUTIONARY PRINCIPLE; RENEWABLE ENERGY; SOLAR ENERGY; WIND ENERGY

Aboriginal interests, 14-15, 324, 329-31, 334-40
Community-based Projects, 14, 69, 329-31, 334-39
Connection to Grid, 69, 203fn50, 313, 318, 329, 331-32, 343, 346-47, 349
Co-operatives, 336
Crown Land, on, 177, 315-16
Environmental Impacts, 193, 317-18, 323-26, 379
Health Impacts, 210-11, 319, 326-27
Nuisance Claims, 210-11, 319-20
Precautionary Principle, and, 315
Property Tax Treatment, 320-21

RENEWABLE FUEL STANDARDS. *See* VEHICLES

RENEWABLE PORTFOLIO STANDARDS. *See* RENEWABLE ENERGY

SMALL SCALE FACILITIES. *See* GENERATION OF ELECTRICITY

CANADIAN GREEN ENERGY LAW AND POLICY

SMART GRID. *See also* ELECTRICITY GRID; TECHNOLOGY AND INNOVATION; TRANSMISSION OF ENERGY

Benefits, 74-77, 345-46
Definitions, 73-76, 348
Green Energy Considerations, 74-77, 83, 148, 345-46
Impetus for Development of, 74-77
Implementation, 197-98, 346-51
National Smart Grid Technologies and Standards Work Force, 202
Privacy, 350, 351-55
Smart Grid Standardization Roadmap, 201-202
Smart Grid Strategic Group, 201-202
Smart Meters, 63, 77-78, 287, 346, 349-55
Standards, 200-202, 346

SMART METERS. *See* SMART GRID

SOLAR POWER. *See also* CODES AND STANDARDS; GENERATION OF ELECTRICITY; RENEWABLE ENERGY; RENEWABLE ENERGY PROJECTS

Barriers, 50, 56fn77, 57-59
Benefits and Opportunities, 49-50, 180
Codes and Standards, 203
Environmental Impact, 3-4
Projects, 180, 314, 323-24, 331, 342, 381-82
Solar Rights, 320
Variable or Intermittent Output, 50, 58, 73, 76, 342, 345

STANDARD OFFER PROGRAM. *See* FEED-IN TARIFF AND STANDARD OFFER

STANDARDS COUNCIL OF CANADA. *See* CODES AND STANDARDS

STERN REVIEW. *See* CLIMATE CHANGE

STORAGE OF ENERGY. *See also* HYDROELECTRIC POWER; VEHICLES

Alternatives to, 69-70, 342
Benefits and Opportunities, 58, 83-84
Distributed Storage, 70
Fuel Cell, 58fn85
Pumped Storage, 43, 58
Smart Grid, and, 74-76
Storage Technologies, 70, 81, 83-84

SUSTAINABILITY. *See also* ECONOMIC DEVELOPMENT; ENVIRONMENTAL OBJECTIVES, ROLES AND CONCEPTS; PRECAUTIONARY PRINCIPLE

INDEX

SUSTAINABILITY — *continued*

Biomass, 46-47
Brundtland Report, 17-18, 22, 54
Canadian Institute of Chartered Accountants Sustainability Initiatives, 231
Commissioner of the Environment and Sustainable Development, 19, 97-98, 133, 138-39, 208
Definitions and Principles, 17-18, 207, 373-74
Elements, 23
Energy, and, 22, 210, 211fn37, 256, 317fn29
Funding, 207-208, 242
Goals, 160, 177, 193, 207-10, 222, 242, 256, 317fn29, 373-74
Green Energy Implications, 21-22, 193, 317fn29
International Institute for Sustainable Development, 18, 120
National Round Table on the Environment and the Economy, 17, 136, 138-39, 207-208, 213-14
Plans and Strategies, 208-209, 371-74
Renewable Energy, 41, 54-55, 209
Sustainable Development Technology Canada, 82-83, 301, 378
World Summit on Sustainable Development, 39

TAX PROGRAMS AND INCENTIVES. *See* INCENTIVES

TECHNOLOGY AND INNOVATION. *See also* ALTERNATIVE ENERGY; ECONOMIC DEVELOPMENT; FUNDS AND FUNDING; INCENTIVES; SMART GRID
Canadian Focus on, 26, 64, 84, 125-26, 140-41, 163, 192, 256-57, 298, 377-78
Carbon Capture and Storage, 84-87, 125-26, 163, 359, 366
Clean Energy Dialogue Collaboration, 84, 125-26
Cleantech, 27, 79-87, 125
Cold Climate and Northern Environment Technologies, 26, 193, 261, 276-77
Council of Energy Ministers' Initiatives, 145-46
Council of the Federation Initiatives, 140-41
Definitions, 81
Demonstration Projects, 36-37, 53, 80, 82-83, 86-87, 266, 275-76, 311, 366-67, 378
Energy Efficiency Technology, 83, 140-41, 145, 377-80
Financial Support for Technology Development, 35, 80, 113, 134, 234, 237-38, 366-67, 378-80
Global Environment Facility, 80
International Technology Transfer, 80
Ocean Energy, 53-54, 179
Renewable Energy Technology, 60-61, 73-87, 192, 298, 331, 345-46, 348-51, 377-80
Smart Grid, 26, 73-74, 126, 348
Smart Meters, 77-78

CANADIAN GREEN ENERGY LAW AND POLICY

TECHNOLOGY AND INNOVATION — *continued*

Sustainability Objectives, 82-83, 207-208
Western Premiers' Support, 163

TIDAL POWER. *See* OCEAN ENERGY

TRANSMISSION OF ENERGY. *See also* ELECTRICITY GRID; SMART GRID

Connection of Resources and Markets, 165-66
Critical Transmission Infrastructure, 346
Interprovincial Electricity Grid, 111-15, 158, 178
Inter-Regional Transmission Benefits, 78-79, 110-15, 158, 171, 173-74, 175, 176-78, 181
Transmission Benefits of Distributed Energy, 68-70

TRANSPORTATION SECTOR. *See also* INCENTIVES; LAND USE PLANNING; VEHICLES

Climate Change Impact of, 12, 68, 214
Emissions, 37, 68, 149, 161, 174, 182, 269, 271fn111, 279, 373
Energy Usage and Efficiency, 12, 37fn64, 38, 68, 146-47, 153, 179, 214, 256, 269, 291
Planning, 130, 279, 373

UNITED NATIONS FRAMEWORK CONVENTION ON CLIMATE CHANGE. *See also* CLIMATE CHANGE; EARTH SUMMIT; GREENHOUSE GASES; IMPLEMENTATION ISSUES IN CANADA; KYOTO PROTOCOL; SUSTAINABILITY

Bali Road Map, 31
Cancun Agreements, 32-33
Conference of the Parties, 30-33
Copenhagen Accord, 31-32, 125, 236
G8 Nations Support, 34-35
Implementation, 29-33, 121-22, 127, 160
Marrakesh Accords, 31, 132
Origins, 8, 18, 29-30
Principles, 18-19, 30
Technology Transfer, 80

UTILITIES. *See also* CODES AND STANDARDS; CONSERVATION AND EFFICIENCY; ELECTRICITY GRID; FOSSIL FUELS; NET METERING; SMART GRID; STORAGE OF ENERGY; TRANSPORTATION SECTOR

Conservation Planning, 61, 258, 288-89
Efficiency Incentive Programs, 206, 258
Electricity Conservation, 288-89
Energy Efficiency Cost Assessments, 259-60

INDEX

UTILITIES — *continued*

Green Energy Mandates, 198-99
Micro-Utility, 71
Net Metering Services and Obligations, 342-45
Privacy of Customer Information, 351-55
Public Policy Role, 193
Public Utility Definitions, 333
Regulation of, 258, 259-60, 288-89, 293-94, 296, 298, 329-30, 332-33, 343-45, 350-51

VEHICLES

Alternative Fuels, 278-79
Company Average Fuel Consumption Standard, 272
Corporate Average Fuel Economy Standard, 272
Electric and Hybrid Vehicles, 68, 70, 74, 76, 78, 83, 200, 274
Fuel Efficiency Standards, 133, 206, 269-73
Government Vehicles, 278-79
Greenhouse Gas Emissions Regulation, 229, 232
Renewable or Low Carbon Fuel Standards, 104-105, 153, 192, 269, 271, 275-78
Vehicle Emissions Standards, 269-75

WASTE MANAGEMENT. See also AGRICULTURE SECTOR; BIOENERGY; MUNICIPALITIES AND COMMUNITIES

Climate Change Impacts of, 308-10
Energy from Waste, 311
Environmental Goals, 209, 303, 307-10
Green Energy and Waste Utilization, 46, 81, 106, 171, 174-75, 302, 305-11
Landfill Gas Management, 142, 227, 301-302, 308-10
Waste as Biomass, 45-46, 171, 174-75, 301-306

WESTERN CLIMATE INITIATIVE. See also GREENHOUSE GAS EMISSIONS LIMITS AND TARGETS; GREENHOUSE GAS EMIS- SIONS REPORTING; GREENHOUSE GAS EMISSIONS TRADING

Canadian Members, 151-52, 226, 248, 250
Cap-and-Trade Program, 151, 226, 247-51
Complementary Policies White Paper, 61-62, 152-53
Composition and Origins, 151-52
Program Implementation, 226fn80, 228, 233, 247-50

WESTERN PREMIERS/WESTERN ENERGY ALLIANCE

Carbon Capture and Storage Priority, 84, 163, 365-66
Climate Change Commitment, 163, 165
Intergovernmental Cooperation, Call for, 147, 164-66

CANADIAN GREEN ENERGY LAW AND POLICY

WIND POWER. *See also* CODES AND STANDARDS; RENEWABLE ENERGY; RENEWABLE ENERGY PROJECTS

Barriers, 48-49, 56fn77, 57-59, 79, 110, 177-78, 181

Benefits and Opportunities, 48-49, 170-71, 173, 178, 180-81, 182, 335-36, 342

Canadian Resources, 48-49, 173, 179, 180-81, 184fn113

Codes and Standards, 108, 203, 313fn2

Environmental Impact, 3-4, 48-49, 323-26

Offshore Wind Power, 97, 323fn74

Projects, 296-97, 313-21, 323-26, 332, 381-82

Variable or Intermittent Output, 50, 58, 73, 76, 79, 342, 345