

INDEX

A

- Absorption Cooling Systems 62
- Acidification 196
- Activities Implemented Jointly (AIJ). *See* Joint Implementation (JI)
- adjustable frequency drives. *See* variable speed drives
- adjustable speed drives. *See* variable speed drives
- aerobic digestion 124, 125
- Agenda 21 191, 197
- agriculture 77
 - urban 39
- air conditioning 12, 55, 56, 60, 62, 64, 66, 67, 102, 104, 105, 159, 160 *See also* HVAC vehicles 35
- Alliance to Save Energy 15
- alternate fuels 33, 37, 39. *See also* CNG; LPG
- anaerobic digestion 124, 136, 138
- appliances 3, 7, 13, 60, 156
 - energy efficient 3, 4, 8, 12, 13, 16
 - office 4, 55
 - labelling 16, 56 *See also* Energy Star
 - standards 162
- Asian Development Bank 62, 63, 155, 164, 166

B

- biodiesel 33, 34, 35, 124, 138
- biodiversity 194
- biofuels 2, 33, 34, 35, 86, 132
- biogas 65, 124, 125, 126, 127, 132, 136, 196
- boilers 83
- biomass 7, 84, 123, 129, 132, 137, 191, 195, 196
- biooil 133
- building codes 3, 5, 14, 16, 56, 86

C

- carbon dioxide 86, 194, 196
- Center for the Analysis and Dissemination of Demonstration of Energy Technologies (CADDET) 8, 15, 57, 68, 78, 106, 107, 138
- Cities for Climate Protection 106, 107, 175, 176, 179, 191
- Clean Development Mechanism 6, 166, 169
- climate change 166, 169, 175, 191, 192, 194, 195, 196, 197
- climate sensitive building design 55, 193
- CNG *see gas (CNG)*
- coal 77, 84, 137, 194
- cogeneration 2, 4, 79, 84, 86, 101, 124, 129, 138, 152, 156 *See also* heat recovery, combined heat and power
- combined heat and power *See* cogeneration
- combustion 12, 83, 85, 86, 127, 128, 131, 194
 - chamber 132
 - engine 131
 - engines 125
 - fluidised bed systems 132
 - technologies 132
- compressed air 79, 81, 83
 - maintenance 82
- construction 77
- coolers

evaporative 12
cooling
space 12, 99

D

deforestation 7
demand management 4. *See also* energy management
deregulation
energy industry 86
Desiccant Cooling Systems 63
diesel 4, 33, 34, 81, 84
direct incineration 127

E

Earth Charter 191, 197
Earth Summit 191
electric fuel 33
Energy after Rio: Prospects and Challenges 31, 39, 194, 195, 196
electric motors 79, 83
maintenance 80
energy audits 4, 77, 85, 105, 175, 176
energy efficiency
standards 5
targets 78, 79
energy management 1
control systems 55
energy performance standards 56
Energy Star 16, 60, 103 *See also* appliance labelling
ethanol 33, 34
Evaporative Cooling Systems 63

F

fans 12
farming 178
firewood 7
fossil fuel 1, 5, 31, 32, 84, 192, 194, 196
fuel 2
cell 34
prices 1
substitution 4
furnaces 79, 84, 85

G

gas *See also* methane
gas (CNG) 31, 33, 34, 35,
gas (LPG) 31, 33, 34, 35, 84
gas (natural) 1, 7, 12, 32, 33, 55, 58, 59, 60, 65, 77, 84, 125, 129, 191, 194, 196
gas (synthesis) 129
gasification 127, 129, 130, 131, 132, 137
gasoline 33, 34, 129
Global Environment Facility 4, 165
global warming 35
Government
Local 4. *See also* municipalities
greenhouse gas 11, 12, 15, 31, 35, 77, 86, 99, 104, 105, 124, 126, 134, 161, 166, 175, 194, 195, 196
emissions 176

emissions inventory 175
emissions target 106, 175, 176

H

heat recovery 79, 82, 84, 85 *See also* combined heat and power, cogeneration
heating
 space 7, 12, 99
 water 7, 12, 104
Hot Water Systems 104
HVAC 62, 80
hydrogen 33

I

incineration 128 *See also* direct incineration
insulation 8, 16
Intergovernmental Panel on Climate Change 195
International Code Council 14
International Council for Local Environmental Initiatives (ICLEI) 8, 15, 31, 99, 106, 175, 176, 191, 197
International Energy Agency (IEA) 3
International Energy Conservation Code 14, 16
International Institute for Energy Conservation 15
IUCN 191
inverters 80

J

Joint Implementation (JI) 161, 165, 166, 169

K

Kyoto Protocol 192

L

labelling
 appliance 14, 16
landfill gas 125, 126, 135, 138
lighting 12, 16, 55, 99, 101, 103
 street 99
liquid fuels 4
local action plan 106, 175, 176
LPG *see gas (LPG)*

M

manufacturing 77, 178
methane 123, 124, 126, 138
methanol 33
mining 77
Municipal Solid Waste (MSW) 126, 128

O

office equipment 55, 103
oil 77

P

passive solar design *See* climate sensible design
patterns of energy use 1
Performance Contracting 107
petrol 81
pollution 35
 air 7, 31, 36, 178, 193, 194
propane. *See* LPG
power generation 77
public transport 4, 31, 36, 99

pyrolysis 127

R

refuse derived fuels 127

renewable energy 1, 33, 86, 99, 137, 138, 191, 192

retrofitting 55

S

screening survey. *See* energy audit

sewerage 99, 100

solar energy 191

standards

energy 14, 86

steam 79, 83

SURBAN 8, 15. *See also* International Council for Local Environmental Init

Solid Waste to Energy Recycling Facility (SWERF) 137

T

tariffs 86

teleaccess. *See* telework

telecommuting. *See* telework

telework 32, 39

Thermochemical Conversion 127

U

UNCED 165

United Nations Development Programme (UNDP) 32, 36, 39, 165, 178, 192, 194, 197

United Nations Framework Convention on Climate Change (UNFCCC) 6, 166, 191

United Nations Economic and Social Commission for the Pacific (UNESCP) 15

V

variable frequency drives. *See* variable speed drives

variable speed drives 80

W

waste

agricultural 7, 84

animal 7

management 99, 101, 138, 178

water 124, 127, 178

waste-to-energy 124

weatherisation 8, 15

wood 84, 196

World Bank 165

World Commission on Environment and Development 191

World Conservation Strategy 191

World Energy Efficiency Association 15, 78

World Health Organisation (WHO) 194

Worldwatch Institute 192