

Department of Economic and Social Affairs
Statistics Division

2012

Electricity Profiles



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CONTENTS

	Page		
Introduction.....	vi	Chile.....	42
Concepts and Definitions.....	vii	China.....	43
Abbreviations and Symbols.....	xi	China, Hong Kong SAR.....	44
		China, Macao SAR.....	45
		Colombia.....	46
		Comoros.....	47
Electricity Profiles (2007 - 2012)			
Afghanistan.....	2	Congo.....	48
Albania.....	3	Cook Islands.....	49
Algeria.....	4	Costa Rica.....	50
American Samoa.....	5	Côte d'Ivoire.....	51
Andorra.....	6	Croatia.....	52
Angola.....	7	Cuba.....	53
Anguilla.....	8	Cyprus.....	54
Antigua and Barbuda.....	9	Czech Republic.....	55
Argentina.....	10	Dem. Rep. of the Congo.....	56
Armenia.....	11	Denmark.....	57
Aruba.....	12	Djibouti.....	58
Australia.....	13	Dominica.....	59
Austria.....	14	Dominican Republic.....	60
Azerbaijan.....	15	Ecuador.....	61
Bahamas.....	16	Egypt.....	62
Bahrain.....	17	El Salvador.....	63
Bangladesh.....	18	Equatorial Guinea.....	64
Barbados.....	19	Eritrea.....	65
Belarus.....	20	Estonia.....	66
Belgium.....	21	Ethiopia.....	67
Belize.....	22	Faeroe Islands.....	68
Benin.....	23	Falkland Is. (Malvinas).....	69
Bermuda.....	24	Fiji.....	70
Bhutan.....	25	Finland.....	71
Bolivia (Plur. State of).....	26	France.....	72
Bosnia and Herzegovina.....	27	French Guiana.....	73
Botswana.....	28	French Polynesia.....	74
Brazil.....	29	Gabon.....	75
British Virgin Islands.....	30	Gambia.....	76
Brunei Darussalam.....	31	Georgia.....	77
Bulgaria.....	32	Germany.....	78
Burkina Faso.....	33	Ghana.....	79
Burundi.....	34	Gibraltar.....	80
Cabo Verde.....	35	Greece.....	81
Cambodia.....	36	Greenland.....	82
Cameroon.....	37	Grenada.....	83
Canada.....	38	Guadeloupe.....	84
Cayman Islands.....	39	Guam.....	85
Central African Rep.....	40	Guatemala.....	86
Chad.....	41	Guernsey.....	87

CONTENTS

Electricity Profiles (2007 - 2012) (continued)

Guinea	88	Micronesia(Fed. States of)	134
Guinea-Bissau	89	Mongolia	135
Guyana	90	Montenegro	136
Haiti	91	Montserrat	137
Honduras	92	Morocco	138
Hungary	93	Mozambique	139
Iceland	94	Myanmar	140
India	95	Namibia	141
Indonesia	96	Nauru	142
Iran(Islamic Rep. of)	97	Nepal	143
Iraq	98	Netherlands	144
Ireland	99	Netherlands Antilles	145
Isle of Man	100	New Caledonia	146
Israel	101	New Zealand	147
Italy	102	Nicaragua	148
Jamaica	103	Niger	149
Japan	104	Nigeria	150
Jersey	105	Niue	151
Jordan	106	Northern Mariana Islands	152
Kazakhstan	107	Norway	153
Kenya	108	Oman	154
Kiribati	109	Pakistan	155
Korea, Dem.Ppl's.Rep.	110	Palau	156
Korea, Republic of	111	Panama	157
Kuwait	112	Papua New Guinea	158
Kyrgyzstan	113	Paraguay	159
Lao People's Dem. Rep.	114	Peru	160
Latvia	115	Philippines	161
Lebanon	116	Poland	162
Lesotho	117	Portugal	163
Liberia	118	Puerto Rico	164
Libya	119	Qatar	165
Liechtenstein	120	Republic of Moldova	166
Lithuania	121	Réunion	167
Luxembourg	122	Romania	168
Madagascar	123	Russian Federation	169
Malawi	124	Rwanda	170
Malaysia	125	Samoa	171
Maldives	126	Sao Tome and Principe	172
Mali	127	Saudi Arabia	173
Malta	128	Senegal	174
Marshall Islands	129	Serbia	175
Martinique	130	Seychelles	176
Mauritania	131	Sierra Leone	177
Mauritius	132	Singapore	178
Mexico	133	Slovakia	179

CONTENTS

Electricity Profiles (2007 - 2012) (continued)

Slovenia.....	180	Turks and Caicos Islands.....	208
Solomon Islands.....	181	Tuvalu.....	209
Somalia.....	182	Uganda.....	210
South Africa.....	183	Ukraine.....	211
Spain.....	184	United Arab Emirates.....	212
Sri Lanka.....	185	United Kingdom.....	213
St. Helena and Depend.	186	United Rep. of Tanzania.....	214
St. Kitts-Nevis.....	187	United States.....	215
St. Lucia.....	188	United States Virgin Is.	216
St. Pierre-Miquelon.....	189	Uruguay.....	217
St. Vincent-Grenadines.....	190	Uzbekistan.....	218
State of Palestine.....	191	Vanuatu.....	219
Sudan.....	192	Venezuela(Bolivar. Rep.).....	220
Suriname.....	193	Viet Nam.....	221
Swaziland.....	194	Wallis and Futuna Is.....	222
Sweden.....	195	Yemen.....	223
Switzerland.....	196	Zambia.....	224
Syrian Arab Republic.....	197	Zimbabwe.....	225
T.F.Yug.Rep. Macedonia.....	198		
Tajikistan.....	199		
Thailand.....	200		
Timor-Leste.....	201		
Togo.....	202		
Tonga.....	203		
Trinidad and Tobago.....	204		
Tunisia.....	205		
Turkey.....	206		
Turkmenistan.....	207		

Statistics compiled as of March 2015

INTRODUCTION

The *Electricity Profiles 2012* provides detailed information on production, trade and consumption of electricity, on net installed capacity and thermal power plant inputs and efficiency for 224 countries and areas on an internationally comparable basis, for the years 2007-2012. It is published by the United Nations Statistics Division with the aim of providing an overall picture of the electricity sector of such countries and areas.

This is the first issue of *Electricity Profiles* as a stand-alone publication, while in addition it is the twenty-second issue of a previous publication titled *Energy Balances and Electricity Profiles*. The series is now split in two and in addition to the *Electricity Profiles* a sister publication, the *Energy Balances*, is now released.

This split followed the incorporation of the standards brought about by the *International Recommendations for Energy Statistics*¹ (IRES). IRES, in its draft form, was endorsed in 2011 by the United Nations Statistical Commission. Previously, energy statistics published by the Statistics Division followed the format described in detail in the technical report entitled *Concepts and Methods in Energy Statistics, with Special Reference to Energy Accounts and Balances*² and also discussed in the publication *Energy Statistics: A Manual for Developing Countries*.³

Electricity production and electric installed capacity are disaggregated by source, as coming from Combustible fuels, Hydro, Nuclear and Other sources; and by type of producer, whether from main activity producers or autoproducers. The latter is given implicitly as the difference between Total production/capacity and Main activity production/capacity.

Thermal power plant inputs are listed by energy product, together with the total output, which are used together to calculate the overall efficiency of electricity production from combustible fuels (displayed at the bottom). Up to 10 main products (by input contribution in the latest year available) are displayed and then listed alphabetically, with the remaining ones, if any, aggregated in the category Others.

More detailed disaggregation of electricity capacity and production is published in the *Energy Statistics Yearbook*, where wind and solar are identified

separately as electricity sources rather than in the category Other.

The information contained in this publication is also available in electronic format.⁴ Requests for information should be directed to United Nations Publications at: order@un.org.

Acknowledgement is due to the following specialized and intergovernmental agencies whose publications have been utilized in supplementing our statistics: Food and Agriculture Organization of the United Nations (FAO), International Atomic Energy Agency (IAEA), International Energy Agency of the Organisation for Economic Cooperation and Development (IEA/OECD), International Sugar Organization (ISO), Organization of Arab Petroleum Exporting Countries (OAPEC), Organization of the Petroleum Exporting Countries (OPEC), Organización Latinoamericana de Energía (OLADE), Statistical Office of the European Union (Eurostat), World Energy Council (WEC). Acknowledgement is also made to governmental, energy and statistical authorities of the Member States which have been cooperative in providing data.

The annual energy data are being collected and processed by the Industrial and Energy Statistics Section of UNSD, headed by Mr. Ralf Becker. The processing of the energy data and preparation for publication were carried out by Mr. Leonardo Souza, Mr. Alexander Blackburn, Mr. Man Soni, Ms. Costanza Giovannelli, Ms. Peng Guo and Mr. Graham Osborn.

Enquiries, comments and suggestions for improving this publication are welcome and should be addressed to: energy_stat@un.org.

¹ Available at <http://unstats.un.org/unsd/energy/ires>

² Statistical Papers, Series F, No. 29 (United Nations publication, Sales No.E.82.XVII.13).

³ Statistical Papers, Series F, No. 56 (United Nations publication, Sales No.E.91.XVII.10).

⁴ For details, see <http://unstats.un.org/unsd/energy/EProfiles>

CONCEPTS AND DEFINITIONS

ELECTRICITY PROFILES

The electricity profiles intend to provide an overall picture of the electricity sector in countries and areas on a comparable basis. As such, a simplified approach is taken, where for production and capacity the three main electricity sources (or production processes) are singled out; namely, combustible fuels, hydro and nuclear; while the remaining electricity production processes (mostly renewable) are aggregated in the category Other. Detailed information on each source for the same countries and areas is available from the United Nations Energy Statistics Database.⁵

Each electricity profile is divided into three blocks, which are listed below and described in detail next:

- The top block on electricity production, trade and consumption;
- The middle block on net installed capacity; and
- The bottom block on combustible fuel input, output and efficiency.

Top block – Electricity production, trade and consumption

Electricity is defined in energy statistics as the transfer of energy through the physical phenomena involving electric charges and their effects when at rest and in motion.

Electricity can be generated through different processes such as: the conversion of energy contained in falling or streaming water, wind or waves; the direct conversion of solar radiation through photovoltaic processes in semiconductor devices (solar cells); or by the combustion of fuels.

Electricity **production** (or electricity generation) in the electricity profiles refers to gross production, which is the sum of the electrical energy production by all the generating units/installations concerned (including pumped storage) measured at the output terminals of the main generators.

The different types of technology/processes for the generation of electricity are defined as follows.

Electricity from **combustible fuels** refers to the production of electricity from the combustion of fuels which are capable of igniting or burning, i.e. reacting with oxygen to produce a significant rise in temperature.

Hydro electricity refers to electricity produced from devices driven by fresh, flowing or falling water.

Nuclear electricity refers to electricity generated by nuclear plants.

Other electricity includes all other processes, which are described below.

- Solar Electricity refers to electricity produced from solar photovoltaics, i.e. by the direct conversion of solar radiation through photovoltaic processes in semiconductor devices (solar cells), including concentrating photovoltaic systems; as well as electricity produced from solar thermal heat (both concentrating and non-concentrating).

Heat from concentrating solar thermal refers to high temperature heat produced from solar radiation captured by concentrating solar thermal systems. Heat from non-concentrating solar thermal refers to low temperature heat produced from solar radiation captured by non-concentrating solar thermal systems.

- Wind electricity refers to electricity produced from devices driven by wind.

- Wave electricity refers to electricity produced from devices driven by the motion of waves.

- Tidal electricity refers to electricity generated from devices driven by tidal currents or the differences of water level caused by tides.

- Other marine electricity refers to electricity generated from devices which exploit sources of marine energy not elsewhere specified. Examples of sources are non-tidal currents, temperature differences and salinity gradients in seas or salinity differences between sea and fresh water.

- Geothermal electricity refers to the electricity generated from the heat from geothermal sources.

- Electricity generated from chemical heat, which refers to recovered heat generated in the chemical industry by exothermic reactions other than combustion.

⁵ <http://data.un.org/Explorer.aspx?d=EDATA>

CONCEPTS AND DEFINITIONS

- Electricity from other sources not elsewhere specified.

As regards the type of producer, both for electricity production and for net installed capacity, a distinction is made between main activity producers and autoproducers, as defined below:

Main activity producer are enterprises which produce electricity as their principal activity. Formerly known as public utilities, these enterprises may be privately or publicly owned companies.

Autoproducers are enterprises which produce electricity but for whom the production is not their principal activity.

In the *Electricity Profiles*, autoproducer figures are not provided explicitly, but can be easily derived as the difference between total producers and main activity producers.

Own use in electricity, CHP and heat plants refers to consumption of electricity for the direct support of electricity, CHP and heat plants. It includes consumption by station auxiliaries, and losses in transformers which are considered as integral parts of the electric energy, CHP or heat generating plants.

- **Electricity plants** refer to plants producing only electricity.

- **CHP plants** (Combined Heat and Power) refer to plants which produce both heat and electricity from at least one generating unit in the plant. They are sometimes referred to as “co-generation” plants.

- **Heat plants** refer to plants (including heat pumps and electric boilers) designed to produce heat only, for deliveries to third parties.

Net production is (gross) production minus own use in electricity, CHP and heat plants. It is equivalent to the electricity sent out from the plants that is available to the network or ready for use in the premises in the case of autoproducers.

Imports comprise all electricity entering the national territory.

Exports comprise all electricity leaving the national territory.

For electricity, as an exception to general energy statistics, trade data include electricity transmitted through the country from one neighbour to another, as there is no practical way of discerning which quantities are re-exported and which are consumed by the transit country.

Losses refer to losses during the transmission and distribution of electricity. Losses also include pilferage of electricity (sometimes referred to as non-technical losses).

Consumption in the *Electricity Profiles* refers to **Energy industries own use** and **Final consumption**.

Energy industries own use refers to consumption of electricity for the direct support of the production, and preparation for use of fuels and energy. Quantities which are used for transportation purposes in the energy industry are not included here, but in Consumption by transport. Quantities used for pumped storage are included here.

Note that pumped storage plants are plants where electricity is used during periods of lower demand to pump water into reservoirs for subsequent release and electricity generation during periods of higher demand. Less electricity is eventually produced than is consumed to pump the water into the higher reservoir.

In general energy statistics, Own use in electricity, CHP and heat plants is part of Energy industries own use, but it is displayed apart in this publication so that Net production can be derived.

Final consumption refers to the consumption of electricity by Manufacturing, construction and non-fuel mining, by Transport, and by households and other consumers (non-energy use being irrelevant for electricity).

By industry and construction refers to final electricity consumption by manufacturing, construction and non-fuel mining industries. The final consumption recorded under this category covers the use of electricity by economic units belonging to the industry groups listed below (excluding the use of energy products for transport, which is recorded under Transport in its respective row).

- Iron and steel
- Chemical and petrochemical
- Non-ferrous metals

CONCEPTS AND DEFINITIONS

- Non-metallic minerals
- Transport equipment
- Machinery
- Mining and quarrying
- Food and tobacco
- Paper, pulp and print
- Wood and wood products (other than pulp and paper)
- Textile and leather
- Construction
- Industries, not elsewhere specified

By transport refers to the consumption of electricity by any economic entity to transport goods or persons between points of departure and destination within the national territory.

By households and other consumers: This group consists of energy consumers not classified in Manufacturing, construction and non-fuel mining industries, and consists of the following subgroups:

- Agriculture, Forestry, Fishing
- Commerce and public services
- Households
- Not elsewhere specified

Middle block – Net installed capacity

Net installed capacity refers to the Net maximum electrical capacity, which is the maximum active power that can be supplied continuously, with all plants running, at the point of outlet (i.e., after taking the power supplies for the station auxiliaries and allowing for the losses in those transformers considered integral to the station).

This assumes no restriction of interconnection to the network, but does not include overload capacity that can only be sustained for a short period of time (e.g., internal combustion engines momentarily running above their rated capacity).

The net maximum electricity-generating capacity represents the sum of all individual plants' maximum capacities available to run continuously throughout a prolonged period of operation in a day.

As mentioned for electricity production, a distinction is made between main activity producers and autoproducers. In the *Electricity Profiles*, autoproducer figures are not provided explicitly, but can be easily

derived as the difference between total producers and main activity producers.

Bottom block – Combustible fuel input, output and efficiency

As defined in the section about the top block, electricity from **combustible fuels** refers to the production of electricity from the combustion of fuels which are capable of igniting or burning, i.e. reacting with oxygen to produce a significant rise in temperature.

Therefore, for some countries and areas this block may be empty if such processes are not utilized in the country or area in question.

Combustible fuel input is the energy content (in Terajoules) of those fuels which are combusted to generate electricity. This input is broken down by fuel (as applicable) and is calculated from the fuel quantities expressed in their original units (e.g., thousand metric tons) through the application of conversion factors.

Up to 10 fuels (by input contribution in the latest year available) are displayed alphabetically, with the remaining ones, if any, aggregated in the category Others.

Total input is the total aggregate of combustible fuel input.

Total production is the total electricity production from combustible fuels (both main activity and autoproducers), expressed in Terajoules by using the equivalence: 1 GWh = 3.6 Terajoules.

The **estimated efficiency** (of total electricity generation from combustible fuels) is calculated by dividing the Total production by the Total input. It gives an idea of how much energy from the fuels is converted into electricity on average in the electricity and CHP plants in the country or area.

It is important to note that the formula considers all inputs to CHP plants but only the electricity output from these plants and not the heat generated, so the calculated efficiency should be used with caution to compare countries with differing levels of CHP generation (and these levels are not apparent from this publication).

CONCEPTS AND DEFINITIONS

For ease of reference, the table below displays typical efficiencies for electricity and CHP plants for the main types of fuel used as input.

Generation process	Typical plant efficiency
Electricity plants	
Coal	32-40%
Oil	35-40%
Natural gas	45-55%
Biomass	20-30%
CHP plants	
Coal	50-75%
Oil	50-75%
Natural gas	60-90%
Biomass	60-85%

ABBREVIATIONS AND SYMBOLS

The following abbreviations and symbols have been used in the publication:

CHP	Combined Heat and Power
GCV	Gross Calorific Value
GJ	gigajoule (10^9 joules)
GWh	gigawatt-hour (10^6 kWh)
IRES	International Recommendations for Energy Statistics
kcal	kilocalorie
kg	kilogramme
kJ	kilojoule (10^3 joules)
kWh	kilowatt-hour
NCV	Net Calorific Value
t	metric ton
TJ	terajoule (10^{12} joules)
UNSD	United Nations Statistics Division
*	estimate by the United Nations Statistics Division
..	not applicable or not available

ELECTRICITY

PROFILES

Statistics on electricity
Afghanistan

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	950	788	889	892	1005	1022
Combustible fuels	266	247	114	125	176	144
Hydro	684	541	775	767	829	878
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	679	559	619	622	719	721
Combustible fuels	235	200	109	120	171	139
Hydro	444	359	510	502	548	582
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	53	55	53	27	286	206
Net production	897	733	836	865	719	816
Imports	785	835	957	1867	2732	3071
Exports	..	..	..	..	..	..
Losses	*200	*200	*200	*404	404	404
Consumption	*1500	*1500	*1600	2400	2300	3265
Energy industries own use	..	..	..	..	..	..
By industry and construction	*300	*300	*300	*500	600	600
By transport	..	..	..	..	..	..
By households and other cons.	*1200	*1200	*1300	1900	1700	2665
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*489	489	*489	*489	431	431
Combustible fuels	*115	115	115	115	115	115
Hydro	*374	374	*374	*374	316	316
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*307	307	*307	*307	249	249
Combustible fuels	*60	60	60	60	60	60
Hydro	*247	247	*247	*247	189	189
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Hard Coal	*1806	*1548	*774	774	1290	1290
Gas-diesel oil	*1290	*1290	*860	860	860	860
Fuel oil	*40	*40	*40	*40	*40	*40
Total input	*3136	*2878	*1674	1674	2190	2190
Total production	958	889	410	450	634	518
Estimated efficiency (% of production to input)	31	31	25	27	29	24

Statistics on electricity

Albania

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	2946	3850	5236	7728	3947	4288
Combustible fuels	72	0	6	13	27	0
Hydro	2874	3850	5230	7715	3920	4288
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	2946	3850	5236	7728	3947	4288
Combustible fuels	72	0	6	13	27	0
Hydro	2874	3850	5230	7715	3920	4288
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	48	19	29	41	21	20
Net production	2898	3831	5207	7687	3926	4268
Imports	2935	2759	1964	1005	3475	3682
Exports	107	293	536	1906	301	336
Losses	2085	2140	2328	2167	2179	3250
Consumption	*3642	*4157	*4301	*4606	*4894	*4364
Energy industries own use	*186	*186	*186	*186	*186	*186
By industry and construction	*717	*823	*853	*917	*976	*866
By transport	..	..	..	..	..	..
By households and other cons.	*2739	*3148	*3262	*3503	*3732	*3312
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	1622	*1622	1462	*1462	*1462	*1462
Combustible fuels	190	*190	*30	*30	*30	*30
Hydro	1432	*1432	1432	*1432	*1432	*1432
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	1462	*1462	1462	*1462	*1462	*1462
Combustible fuels	*30	*30	*30	*30	*30	*30
Hydro	1432	*1432	1432	*1432	*1432	*1432
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Fuel oil	1172	*606	*566	*566	*606	*485
Other oil products	0	0	80	201	402	0
Total input	1172	*606	*646	*767	*1008	*485
Total production	259	0	22	47	97	0
Estimated efficiency (% of production to input)	22	0	3	6	10	0

Statistics on electricity
Algeria

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	37196	40236	38501	45734	51224	57397
Combustible fuels	36970	39953	38195	45560	50722	56775
Hydro	226	283	306	174	502	622
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	36719	39720	38207	45173	48872	54086
Combustible fuels	36493	39437	37901	44999	48370	53464
Hydro	226	283	306	174	502	622
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	2747	2360	2133	2505	4542	4753
Net production	34449	37876	36368	43229	46682	52644
Imports	279	274	330	736	657	936
Exports	273	323	362	803	799	985
Losses	6647	7287	7859	9091	9899	11068
Consumption	28539	30541	28476	34069	36639	41527
Energy industries own use	548	588	565	599	772	750
By industry and construction	9746	9666	10116	12700	13138	14961
By transport	529	367	540	634	696	783
By households and other cons.	17716	19920	17255	20136	22033	25033
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	8412	8041	11325	11332	11546	13088
Combustible fuels	8137	7761	11050	11057	11271	12788
Hydro	275	280	275	275	275	300
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	8114	7743	11027	11034	11092	12634
Combustible fuels	7839	7463	10752	10759	10817	12334
Hydro	275	280	275	275	275	300
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	9847	9804	7697	13029	34701	47214
Natural gas	427822	463434	477392	477831	515963	558234
Total input	437669	473238	485089	490860	550664	605448
Total production	133092	143831	137502	164016	182599	204390
Estimated efficiency (% of production to input)	30	30	28	33	33	34

Statistics on electricity

American Samoa

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	185	188	178	159	155	157
Combustible fuels	185	188	178	159	155	156
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	1
Main activity	185	188	178	159	155	157
Combustible fuels	185	188	178	159	155	156
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	1
Own use in electricity, CHP and heat plants	7	7	7	5	7	8
Net production	178	182	172	154	148	149
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	16	15	14	12	12	15
Consumption	162	167	158	142	136	134
Energy industries own use	..	..	..	..	..	..
By industry and construction	31	41	37	21	22	23
By transport	..	..	..	..	..	..
By households and other cons.	130	126	122	121	114	112
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	45	45	49	45	41	*42
Combustible fuels	45	45	49	45	41	*41
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	1
Main activity	45	45	49	45	41	*42
Combustible fuels	45	45	49	45	41	*41
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	1
Combustible fuel input	Terajoules					
Total input	..	..	..	..	..	..
Total production	667	678	642	573	558	560
Estimated efficiency (% of production to input)	..	..	..	..	..	..

Statistics on electricity

Andorra

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	76	79	*81	113	91	*91
Combustible fuels	19	*16	*19	13	12	*12
Hydro	57	63	*62	100	79	*79
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	76	79	*81	113	91	*91
Combustible fuels	19	*16	*19	13	12	*12
Hydro	57	63	*62	100	79	*79
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	76	79	*81	113	91	*91
Imports	501	512	*506	471	466	*466
Exports	..	..	..	..	..	..
Losses	78	76	76	78	75	*75
Consumption	498	499	524	506	483	*483
Energy industries own use	..	..	..	..	..	..
By industry and construction	17	12	11	10	9	*9
By transport	..	..	..	..	..	..
By households and other cons.	482	487	513	496	474	*474
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	32	32	*32	*32	*32	*32
Combustible fuels	*5	*5	*5	*5	*5	*5
Hydro	27	27	*27	*27	*27	*27
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	32	32	*32	*32	*32	*32
Combustible fuels	*5	*5	*5	*5	*5	*5
Hydro	27	27	*27	*27	*27	*27
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Municipal waste	*274	*226	*224	*218	*211	*211
Total input	*274	*226	*224	*218	*211	*211
Total production	68	*57	*68	46	44	*44
Estimated efficiency (% of production to input)	25	25	31	21	21	21

Statistics on electricity
Angola

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	3217	4156	4735	5449	5651	5613
Combustible fuels	720	1022	1641	1746	1644	1633
Hydro	2497	3134	3094	3703	4007	3980
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	3075	3954	4411	5104	5326	5290
Combustible fuels	578	820	1317	1401	1319	1310
Hydro	2497	3134	3094	3703	4007	3980
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	161	208	237	136	139	138
Net production	3056	3948	4498	5313	5512	5475
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	431	416	474	627	637	633
Consumption	2611	3532	4024	4686	4875	4842
Energy industries own use	..	..	..	..	..	..
By industry and construction	816	1122	1278	1578	1643	1632
By transport	..	..	..	..	..	..
By households and other cons.	1795	2410	2746	3108	3232	3210
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*1155	*1155	*1155	1439	*1530	*1530
Combustible fuels	*657	*657	*657	*657	*770	*770
Hydro	498	498	498	782	760	760
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*1025	*1025	*1025	1309	1400	1400
Combustible fuels	*527	*527	*527	*527	*640	*640
Hydro	498	498	498	782	760	760
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	8170	11610	18662	19866	18705	18619
Fuel oil	3919	6747	10827	11514	10827	10746
Total input	12089	18357	29489	31380	29532	29365
Total production	2592	3679	5908	6286	5918	5879
Estimated efficiency (% of production to input)	21	20	20	20	20	20

Statistics on electricity

Anguilla

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	89	90	91	99	95	90
Combustible fuels	89	90	91	99	95	90
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	89	90	91	99	95	90
Combustible fuels	89	90	91	99	95	90
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	1	1	1	2	3	3
Net production	88	88	90	97	92	87
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	9	9	10	9	9	8
Consumption	*79	*79	*80	*87	*84	*79
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	*79	*79	*80	*87	*84	*79
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	23	23	28	28	28	28
Combustible fuels	23	23	28	28	28	28
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	23	23	28	28	28	28
Combustible fuels	23	23	28	28	28	28
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	826	830	826	886	856	813
Total input	826	830	826	886	856	813
Total production	320	322	328	355	343	322
Estimated efficiency (% of production to input)	39	39	40	40	40	40

Statistics on electricity

Antigua and Barbuda

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*285	*296	327	*326	*325	*327
Combustible fuels	*285	*296	327	*326	*325	*327
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*284	*295	326	*325	*324	*326
Combustible fuels	*284	*295	326	*325	*324	*326
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	*6	*6	7	*7	*7	*7
Net production	*279	*290	320	*319	*318	*320
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*75	*80	*85	*84	*84	*85
Consumption	*204	*210	217	*221	*230	*235
Energy industries own use	..	..	..	..	..	..
By industry and construction	4	*5	6	*7	*8	*8
By transport	..	..	..	..	..	..
By households and other cons.	*200	*205	211	*214	*222	*227
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*55	*55	55	55	84	84
Combustible fuels	*55	*55	55	55	84	84
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*54	*54	54	54	83	83
Combustible fuels	*54	*54	54	54	83	83
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	*2064	*2107	*2000	*2408	*2365	*2365
Fuel oil	*1131	*1172	*1333	*1374	*1374	*1414
Total input	*3195	*3279	*3333	*3782	*3739	*3779
Total production	*1027	*1066	1179	*1174	*1170	*1177
Estimated efficiency (% of production to input)	32	33	35	31	31	31

Statistics on electricity

Argentina

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	107711	121927	122348	125594	129892	135207
Combustible fuels	69726	83815	79856	84480	91592	98719
Hydro	30707	30740	34295	33918	31901	29716
Nuclear	7217	7330	8161	7171	6371	6395
Other	61	42	36	25	28	377
Main activity	96414	108281	107892	110269	114840	119978
Combustible fuels	58522	70257	65491	69247	76598	83548
Hydro	30614	30652	34204	33826	31843	29658
Nuclear	7217	7330	8161	7171	6371	6395
Other	61	42	36	25	28	377
Own use in electricity, CHP and heat plants	3737	3553	3420	4076	4304	4638
Net production	103974	118374	118928	121518	125588	130569
Imports	10281	8458	8600	10299	10929	8116
Exports	2628	2975	2445	1701	1262	506
Losses	17957	16274	17980	16817	18701	18442
Consumption	98183	107584	107096	113308	116551	120569
Energy industries own use	566	538	715	551	561	719
By industry and construction	45136	47444	45520	48331	50458	50535
By transport	616	653	664	669	675	616
By households and other cons.	51865	58949	60197	63757	64857	68699
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	29139	30984	32125	32876	33810	35023
Combustible fuels	18126	19926	21035	21783	22660	23807
Hydro	9966	10011	10044	10045	10045	10053
Nuclear	1018	1018	1018	1018	1018	1018
Other	29	29	28	30	*87	145
Main activity	25782	27355	28330	29010	29887	31008
Combustible fuels	14790	16317	17260	17939	18759	19815
Hydro	9945	9991	10024	10025	10025	10033
Nuclear	1018	1018	1018	1018	1018	1018
Other	29	29	28	28	*85	143
Combustible fuel input	Terajoules					
Hard Coal	15738	11429	11920	21053	26574	30960
Gas-diesel oil	26531	34658	34658	64500	78905	73229
Fuel oil	76518	100030	100030	93647	108151	117968
Refinery gas	7772	7326	5445	4010	1337	2129
Natural gas	582151	615354	616394	586554	626708	688255
Coke-oven gas	5662	5824	4218	5400	5897	2825
Blast furnace gas	5136	5283	3826	4899	5350	5930
Fuelwood	21709	11073	9252	9270	10500	10655
Bagasse	..	..	..	..	877	3680
Vegetal waste	110	11418	10269	21299	18188	18830
Others	..	..	..	142	95	1882
Total input	741326	802396	796012	810773	882581	956342
Total production	251014	301734	287482	304128	329731	355388
Estimated efficiency (% of production to input)	34	38	36	38	37	37

Statistics on electricity

Armenia

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	5898	6114	5672	6491	7433	8036
Combustible fuels	1489	1854	1154	1438	2390	3399
Hydro	1856	1797	2020	2556	2489	2311
Nuclear	2553	2461	2494	2490	2548	2322
Other	..	2	4	7	6	4
Main activity	5898	6114	5672	6491	7433	8036
Combustible fuels	1489	1854	1154	1438	2390	3399
Hydro	1856	1797	2020	2556	2489	2311
Nuclear	2553	2461	2494	2490	2548	2322
Other	..	2	4	7	6	4
Own use in electricity, CHP and heat plants	325	335	295	279	327	337
Net production	5573	5779	5377	6212	7106	7699
Imports	400	338	295	246	205	98
Exports	323	632	325	1077	1533	1696
Losses	775	860	843	730	904	981
Consumption	4766	4902	4487	4667	5151	5120
Energy industries own use	..	..	..	..	..	..
By industry and construction	1210	1171	1009	1047	1083	1180
By transport	123	120	119	119	120	127
By households and other cons.	3433	3611	3359	3501	3948	3813
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	3138	3151	3175	3480	3509	4055
Combustible fuels	1660	1660	1662	1906	1906	2394
Hydro	1070	1080	1102	1162	1191	1249
Nuclear	408	408	408	408	408	408
Other	..	3	3	4	4	4
Main activity	3138	3151	3175	3480	3509	4055
Combustible fuels	1660	1660	1662	1906	1906	2394
Hydro	1070	1080	1102	1162	1191	1249
Nuclear	408	408	408	408	408	408
Other	..	3	3	4	4	4
Combustible fuel input	Terajoules					
Natural gas	21055	20606	12781	*12532	*20829	*29622
Total input	21055	20606	12781	*12532	*20829	*29622
Total production	5360	6674	4154	5177	8604	12236
Estimated efficiency (% of production to input)	25	32	33	41	41	41

Statistics on electricity

Aruba

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	936	914	924	940	931	915
Combustible fuels	936	914	924	834	818	778
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	107	113	136
Main activity	936	914	924	940	931	915
Combustible fuels	936	914	924	834	818	778
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	107	113	136
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	936	914	924	940	931	915
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	155	149	150	151	159	148
Consumption	781	764	*774	*790	*772	*766
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	781	764	*774	*790	*772	*766
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	149	236	236	320	320	320
Combustible fuels	149	236	236	290	290	290
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	30	30	30
Main activity	149	236	236	320	320	320
Combustible fuels	149	236	236	290	290	290
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	30	30	30
Combustible fuel input	Terajoules					
Gas-diesel oil	*2004	*1750	*1871	*843	*667	*215
Fuel oil	*8080	*8080	*8080	*8080	*8080	*8080
Total input	*10084	*9830	*9951	*8923	*8747	*8295
Total production	3370	3289	3327	3001	2944	2801
Estimated efficiency (% of production to input)	33	33	33	34	34	34

Statistics on electricity

Australia

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	243156	243220	248753	252155	252623	248941
Combustible fuels	225919	227943	232900	233270	229154	227253
Hydro	14517	12057	11869	13549	16807	14083
Nuclear	..	..	..	..	..	..
Other	2720	3220	3984	5336	6662	7605
Main activity	227818	228844	232680	235867	235230	230330
Combustible fuels	210686	213690	216983	217261	212611	210131
Hydro	14517	12057	11869	13549	16807	14083
Nuclear	..	..	..	..	..	..
Other	2615	3097	3828	5057	5812	6116
Own use in electricity, CHP and heat plants	16091	15148	16612	16368	16686	15078
Net production	227065	228072	232141	235787	235937	233863
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	14618	14811	14666	15525	13313	12608
Consumption	212447	213261	217475	220262	222624	221255
Energy industries own use	10890	10899	10985	11163	11689	11924
By industry and construction	78917	78203	78708	79969	81751	79956
By transport	3853	4035	4252	3946	3936	4072
By households and other cons.	118787	120124	123530	125184	125248	125303
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	53438	54350	57059	59857	61116	63222
Combustible fuels	43548	44269	46628	49028	49626	50459
Hydro	8567	8554	8619	8773	8788	8790
Nuclear	..	..	..	..	..	..
Other	1323	1527	1812	2056	2702	3973
Main activity	49420	50646	52987	55730	56490	57566
Combustible fuels	39600	40647	42661	45089	45571	46211
Hydro	8567	8554	8619	8773	8788	8790
Nuclear	..	..	..	..	..	..
Other	1253	1445	1707	1868	2131	2565
Combustible fuel input	Terajoules					
Hard Coal	434498	434214	446546	390922	361148	332227
Brown Coal	1597778	1582714	1653988	1587768	1536332	1554308
Lignite briquettes	1449	1573	1325	1139	1159	1366
Biogas	7329	9881	11987	11913	12554	15597
Gas-diesel oil	27649	40248	28853	25929	25628	28423
Fuel oil	7636	9817	5979	5575	5414	5414
Other oil products	..	..	2814	1327	1849	2412
Natural gas	335709	370882	428150	432277	502249	515715
Blast furnace gas	4303	953	3186	3442	3061	2883
Fuelwood	*78011	*87889	*21594	*18812	*12562	*12745
Others	..	..	394	44	482	88
Total input	2494361	2538171	2604817	2479147	2462438	2471177
Total production	813308	820595	838440	839772	824954	818111
Estimated efficiency (% of production to input)	33	32	32	34	34	33

Statistics on electricity

Austria

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	64757	66877	69088	71128	65811	72616
Combustible fuels	23428	24126	23398	27403	25920	22123
Hydro	39248	40690	43655	41553	37771	47681
Nuclear	..	..	..	..	..	..
Other	2081	2061	2035	2172	2120	2812
Main activity	55914	57951	60606	61731	56356	63384
Combustible fuels	15785	16427	16188	19099	17442	14080
Hydro	38066	39481	42400	40478	36805	46503
Nuclear	..	..	..	..	..	..
Other	2063	2043	2018	2154	2109	2801
Own use in electricity, CHP and heat plants	1605	2257	1795	1648	1726	1713
Net production	63152	64620	67293	69480	64085	70903
Imports	22130	19796	19542	19898	24972	23264
Exports	15511	14933	18762	17567	16777	20454
Losses	3473	3448	3311	3646	3603	3711
Consumption	66298	66035	64762	68165	68677	70002
Energy industries own use	4311	4711	5247	5921	6466	7001
By industry and construction	27133	26196	25438	27031	28058	28155
By transport	3508	3482	3333	3467	3151	3083
By households and other cons.	31346	31646	30744	31746	31002	31763
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	19100	20548	20790	21187	22556	22917
Combustible fuels	6280	7247	7278	7345	8178	8161
Hydro	11810	12263	12446	12706	12980	13076
Nuclear	..	..	..	..	..	..
Other	1010	1038	1066	1136	1398	1680
Main activity	17285	18632	18675	18876	20182	20568
Combustible fuels	5008	5874	5712	5582	6339	6347
Hydro	11267	11720	11897	12158	12445	12541
Nuclear	..	..	..	..	..	..
Other	1010	1038	1066	1136	1398	1680
Combustible fuel input	Terajoules					
Hard Coal	51007	44763	30960	40661	44066	36094
Biogas	5596	6230	5689	5698	5942	6963
Fuel oil	14423	12928	13090	14302	11433	8686
Refinery gas	1337	1832	1634	1535	891	1089
Natural gas	90553	97454	102872	115818	101925	90193
Coke-oven gas	2061	2230	2394	2274	2199	2282
Blast furnace gas	13751	11941	10294	14468	14979	14233
Fuelwood	33644	39539	40887	45057	49064	56170
Municipal waste	8974	9197	11683	12237	13420	13311
Industrial waste	3126	3420	4561	5068	5434	6601
Others	1679	939	1006	524	184	129
Total input	226150	230473	225069	257641	249537	235751
Total production	84341	86854	84233	98651	93312	79643
Estimated efficiency (% of production to input)	37	38	37	38	37	34

Statistics on electricity
Azerbaijan

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	21847	21643	18868	18710	20294	22988
Combustible fuels	19483	19411	16558	15263	17618	21167
Hydro	2364	2232	2308	3446	2676	1821
Nuclear	..	..	..	..	..	..
Other	..	..	2	1	0	0
Main activity	21415	21323	18599	18450	19993	21358
Combustible fuels	19051	19091	16289	15003	17317	19537
Hydro	2364	2232	2308	3446	2676	1821
Nuclear	..	..	..	..	..	..
Other	..	..	2	1	0	0
Own use in electricity, CHP and heat plants	1179	1124	960	975	947	977
Net production	20668	20519	17908	17735	19347	22011
Imports	548	216	110	100	128	141
Exports	786	812	380	462	805	680
Losses	3432	3163	4100	3830	3973	3368
Consumption	16864	16638	13436	13419	14567	18023
Energy industries own use	1020	1072	1177	1184	1300	2629
By industry and construction	2995	3245	1904	1758	2130	3027
By transport	582	577	521	545	545	523
By households and other cons.	12267	11744	9834	9932	10592	11844
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	5728	5798	6388	6396	6350	6420
Combustible fuels	4703	4773	5401	5401	5352	5397
Hydro	1025	1025	987	995	998	1023
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	5628	5698	6288	6296	6250	6294
Combustible fuels	4603	4673	5301	5301	5252	5271
Hydro	1025	1025	987	995	998	1023
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	215	258	129	129	129	215
Fuel oil	42743	18261	5212	81	3313	3959
Natural gas	179197	200021	175521	161896	180185	203578
Total input	222155	218540	180862	162106	183627	207752
Total production	70139	69880	59609	54947	63425	76201
Estimated efficiency (% of production to input)	32	32	33	34	35	37

Statistics on electricity
Bahamas

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	2246	1960	1769	1823	1766	2037
Combustible fuels	2246	1960	1769	1823	1766	2037
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	2176	1890	1697	1749	1692	1963
Combustible fuels	2176	1890	1697	1749	1692	1963
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	67	67	64	66	*66	*66
Net production	2179	1893	1705	1757	1700	1971
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*324	..	..	..	..	..
Consumption	1855	1893	1688	1795	1821	1710
Energy industries own use	..	..	..	..	..	..
By industry and construction	991	1020	917	1054	1073	1006
By transport	..	..	..	..	..	..
By households and other cons.	864	873	771	741	748	704
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	591	591	591	591	591	591
Combustible fuels	591	591	591	591	591	591
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	536	536	536	536	536	536
Combustible fuels	536	536	536	536	536	536
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	*15050	*15265	*15480	*16340	*16340	*16770
Total input	*15050	*15265	*15480	*16340	*16340	*16770
Total production	8086	7056	6368	6563	6358	7333
Estimated efficiency (% of production to input)	54	46	41	40	39	44

Statistics on electricity

Bahrain

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	21722	22819	22555	23441	23767	24770
Combustible fuels	21722	22819	22555	23441	23767	24770
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	10955	11937	12056	13230	13141	14260
Combustible fuels	10955	11937	12056	13230	13141	14260
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	893	253	175	193	445	117
Net production	20829	22566	22380	23248	23322	24653
Imports	13	0	168	192	227	35
Exports	0	275	0	19	107	190
Losses	408	1938	2038	1614	1563	1417
Consumption	20434	20859	20510	22193	22769	23315
Energy industries own use	..	..	..	..	..	..
By industry and construction	12144	12386	11568	11458	12327	12410
By transport	..	..	..	..	..	..
By households and other cons.	8290	8473	8942	10735	10442	10905
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*5200	*5477	*5868	*5868	*5868	*5868
Combustible fuels	*5200	*5477	*5868	*5868	*5868	*5868
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*2200	*2477	*2868	*2868	*2868	*2868
Combustible fuels	*2200	*2477	*2868	*2868	*2868	*2868
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Natural gas	318697	347645	352235	355879	363459	372226
Total input	318697	347645	352235	355879	363459	372226
Total production	78199	82148	81198	84388	85561	89172
Estimated efficiency (% of production to input)	25	24	23	24	24	24

Statistics on electricity
Bangladesh

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	31011	34319	37225	41813	44163	49039
Combustible fuels	30262	33369	36808	41084	43291	48262
Hydro	749	950	417	729	872	777
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	24378	25806	27176	29103	31169	35293
Combustible fuels	23629	24856	26759	28374	30297	34516
Hydro	749	950	417	729	872	777
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	1743	1929	2092	2350	2482	2756
Net production	29268	32390	35133	39463	41681	46283
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	1602	4293	4214	4315	4527	5785
Consumption	26928	28097	30919	35147	36822	43239
Energy industries own use	..	..	..	..	..	..
By industry and construction	14822	16085	17619	20253	21117	23709
By transport	..	..	..	..	..	..
By households and other cons.	12106	12012	13300	14894	15705	19530
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*5245	5453	5719	5827	6639	8100
Combustible fuels	*5015	5223	5489	5597	6409	7870
Hydro	230	230	230	230	230	230
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*3987	4195	3812	3916	4728	5725
Combustible fuels	*3757	3965	3582	3686	4498	5495
Hydro	230	230	230	230	230	230
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Hard Coal	13158	11713	12152	12358	10578	11584
Gas-diesel oil	6880	7009	6923	7697	9718	9718
Fuel oil	10140	11474	6504	7676	21533	34986
Natural gas	309294	342992	382786	441957	434495	475944
Total input	339472	373188	408365	469688	476324	532233
Total production	108943	120128	132509	147902	155848	173743
Estimated efficiency (% of production to input)	32	32	32	31	33	33

Statistics on electricity
Barbados

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	973	1054	1068	1028	1049	1129
Combustible fuels	973	1054	1068	1028	1049	1129
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	930	1003	1017	978	1044	1125
Combustible fuels	930	1003	1017	978	1044	1125
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	49	75	72	19	41	37
Net production	924	979	997	1009	1008	1091
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	65	43	45	51	68	43
Consumption	861	936	951	958	940	1048
Energy industries own use	..	..	..	..	..	..
By industry and construction	157	128	130	63	86	76
By transport	..	..	..	..	..	..
By households and other cons.	704	808	821	895	854	972
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	220	220	225	267	249	249
Combustible fuels	220	220	225	267	249	249
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	210	210	215	257	239	239
Combustible fuels	210	210	215	257	239	239
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	1686	2075	1883	1847	2035	1778
Fuel oil	7832	9043	9685	8003	8533	8678
Other kerosene	..	..	0	329	363	271
Natural gas	126	125	72	108	115	152
Bagasse	0	0	0	0	43	38
Total input	9644	11243	11640	10288	11089	10917
Total production	3503	3793	3846	3699	3776	4063
Estimated efficiency (% of production to input)	36	34	33	36	34	37

Statistics on electricity
Belarus

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	31829	35048	30376	34895	32192	30799
Combustible fuels	31793	35008	30331	34849	32149	30723
Hydro	35	39	44	45	42	70
Nuclear	..	..	..	..	..	..
Other	1	1	1	1	1	6
Main activity	30732	33660	28640	32455	29604	27749
Combustible fuels	30708	33635	28610	32412	29566	27681
Hydro	24	25	30	43	38	64
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	4
Own use in electricity, CHP and heat plants	2250	2269	2130	2264	2220	2203
Net production	29579	32779	28246	32631	29972	28596
Imports	9406	7085	8404	7767	9289	10398
Exports	5062	5245	3933	5067	3704	2797
Losses	3724	3714	3487	3774	3412	3406
Consumption	30189	30896	29230	31557	32145	32791
Energy industries own use	1490	1476	1539	2175	2257	2413
By industry and construction	14115	14518	12332	13204	13603	13353
By transport	1831	1803	1618	1710	1676	1573
By households and other cons.	12753	13099	13741	14468	14609	15452
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	8026	8054	*8106	8275	8375	8975
Combustible fuels	8011	8039	*8089	8259	8356	8939
Hydro	14	14	*15	15	15	33
Nuclear	..	..	..	..	..	..
Other	1	1	2	2	3	3
Main activity	7729	7729	*7729	7822	7904	8391
Combustible fuels	7719	7719	*7719	7812	7895	8365
Hydro	10	10	*10	9	9	26
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Peat	752	859	849	820	839	849
Biogas	0	14	61	78	116	145
Gas-diesel oil	0	0	0	0	0	0
Fuel oil	3030	11878	76800	8363	3111	8888
Refinery gas	0	0	0	0	1337	2277
Natural gas	449637	469198	345512	482698	448015	426772
Fuelwood	1257	2208	2371	2820	3088	3180
Vegetal waste	0	0	0	0	0	0
Industrial waste	899	564	1441	2049	1142	674
Peat products	0	0	39	254	224	342
Others	0	0	0	0	0	0
Total input	455575	484720	427074	497081	457872	443127
Total production	114455	126029	109192	125456	115736	110603
Estimated efficiency (% of production to input)	25	26	26	25	25	25

Statistics on electricity

Belgium

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	88820	84930	91225	95120	90235	83071
Combustible fuels	38167	36680	40999	43401	36963	35992
Hydro	1683	1757	1757	1668	1423	1659
Nuclear	48227	45568	47222	47944	48234	40295
Other	743	925	1247	2107	3615	5125
Main activity	86869	82053	87401	89823	83647	74841
Combustible fuels	36474	34087	37425	38926	31688	30133
Hydro	1683	1757	1757	1668	1423	1659
Nuclear	48227	45568	47222	47944	48234	40295
Other	485	641	997	1285	2302	2754
Own use in electricity, CHP and heat plants	3722	3546	3702	3684	3506	3137
Net production	85098	81384	87523	91436	86729	79934
Imports	15816	17158	9486	12395	13189	16848
Exports	9037	6561	11321	11844	10652	6912
Losses	4064	4262	4065	4283	4154	4131
Consumption	87796	87594	81544	87704	85046	85739
Energy industries own use	4898	4908	4289	4393	4931	4424
By industry and construction	40134	39019	32676	38137	37261	37490
By transport	1675	1723	1762	1736	1631	1581
By households and other cons.	41089	41944	42817	43438	41223	42244
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	16380	16760	17497	18322	20098	20769
Combustible fuels	8842	9130	9184	9154	10285	9469
Hydro	1417	1418	1417	1425	1426	1427
Nuclear	5825	5825	5902	5927	5927	5927
Other	296	387	994	1816	2460	3946
Main activity	15807	15786	16169	16196	16729	17467
Combustible fuels	8293	8212	8239	7848	8084	8182
Hydro	1417	1418	1417	1425	1426	1427
Nuclear	5825	5825	5902	5927	5927	5927
Other	272	331	611	996	1292	1931
Combustible fuel input	Terajoules					
Hard Coal	57921	50387	44918	39242	32714	32818
Biogas	3144	3236	3783	4126	3666	4254
Refinery gas	..	..	..	1188	1436	2525
Natural gas	199801	196771	231547	246135	187904	182156
Blast furnace gas	20522	22372	9470	14589	15628	16176
Fuelwood	*18354	*22930	*23575	*26137	*29689	*34228
Municipal waste	15418	23527	26189	30872	37361	28588
Industrial waste	12533	7523	8886	8954	9175	10079
Other recovered gases	..	..	..	610	988	1245
Other liquid biofuels	1288	877	2165	1507	1288	932
Others	12206	4574	3066	3139	2211	1313
Total input	341186	332197	353598	376499	322059	314313
Total production	137401	132048	147596	156244	133067	129571
Estimated efficiency (% of production to input)	40	40	42	41	41	41

Statistics on electricity

Belize

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	218	218	257	415	384	*399
Combustible fuels	39	11	69	152	140	*145
Hydro	179	207	188	263	245	*254
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	218	218	255	334	314	*324
Combustible fuels	39	11	68	71	*69	*70
Hydro	179	207	188	263	245	*254
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	4	3	7	15	*13	*14
Net production	213	215	250	400	371	*385
Imports	225	248	216	160	171	208
Exports	..	..	..	..	..	..
Losses	57	57	49	50	56	*55
Consumption	380	407	417	509	485	*538
Energy industries own use	..	..	..	..	..	..
By industry and construction	143	159	158	160	152	*157
By transport	..	..	..	..	..	..
By households and other cons.	237	248	259	349	333	*381
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	82	83	139	144	144	144
Combustible fuels	36	37	93	91	91	91
Hydro	46	46	46	53	53	53
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	82	83	111	116	116	116
Combustible fuels	36	37	65	63	63	63
Hydro	46	46	46	53	53	53
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Crude oil	..	..	..	18	*13	*42
Gas-diesel oil	*396	*112	*409	409	*421	*344
Fuel oil	..	..	*145	147	*147	*162
Natural gas	..	..	..	121	*121	*121
Bagasse	..	..	*44	1456	*1313	*1390
Total input	*396	*112	*598	2150	*2016	*2059
Total production	139	41	248	547	503	*522
Estimated efficiency (% of production to input)	35	37	41	25	25	25

Statistics on electricity
Benin

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	220	229	128	150	155	163
Combustible fuels	220	229	128	150	155	163
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	179	199	112	123	127	134
Combustible fuels	179	199	112	123	127	134
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	220	229	128	150	155	163
Imports	579	662	866	935	931	983
Exports	..	..	..	..	..	..
Losses	125	140	208	207	214	226
Consumption	672	748	786	842	872	920
Energy industries own use	..	..	..	..	..	..
By industry and construction	146	141	128	137	142	151
By transport	..	..	..	..	..	..
By households and other cons.	526	607	658	705	730	769
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*129	*174	*174	*174	*174	*174
Combustible fuels	*128	*173	*173	*173	*173	*173
Hydro	*1	*1	*1	*1	*1	*1
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*121	*166	*166	*166	*166	*166
Combustible fuels	*120	*165	*165	*165	*165	*165
Hydro	*1	*1	*1	*1	*1	*1
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	1806	2064	1247	1462	1505	1591
Fuel oil	162	40	0	0	0	0
Fuelwood	53	47	30	22	23	24
Total input	2021	2151	1277	1484	1528	1615
Total production	792	824	461	540	558	587
Estimated efficiency (% of production to input)	39	38	36	36	37	36

Statistics on electricity
Bermuda

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	735	*727	*746	742	*726	*692
Combustible fuels	735	*727	*746	742	*726	*692
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	719	*713	*733	730	*714	*680
Combustible fuels	719	*713	*733	730	*714	*680
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	46	*47	*45	50	*48	*41
Net production	689	*680	*701	692	*678	*651
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	42	*37	*50	*49	*48	*46
Consumption	644	645	657	651	636	606
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	644	645	657	651	636	606
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	169	169	*169	*169	169	171
Combustible fuels	169	169	*169	*169	169	171
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	165	165	*165	*165	165	167
Combustible fuels	165	165	*165	*165	165	167
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	1097	*968	*993	989	950	*907
Fuel oil	5515	*5313	*5462	5438	5224	*4977
Municipal waste	753	*659	*612	*584	*560	*565
Total input	7364	*6939	*7067	7011	6734	*6450
Total production	2646	*2617	*2686	2673	*2613	*2491
Estimated efficiency (% of production to input)	36	38	38	38	39	39

Statistics on electricity

Bhutan

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	6562	6961	6998	7329	7068	6827
Combustible fuels	2	0	0	1	0	0
Hydro	6560	6961	6998	7328	7067	6827
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	6562	6961	6998	7329	7068	6827
Combustible fuels	2	0	0	1	0	0
Hydro	6560	6961	6998	7328	7067	6827
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	6562	6961	6998	7329	7067	6827
Imports	7	17	20	20	20	37
Exports	5429	5609	5352	5268	5268	4890
Losses	151	165	167	193	106	119
Consumption	990	1203	1498	1573	1638	1770
Energy industries own use	..	..	..	..	..	..
By industry and construction	680	870	1110	1322	1365	1462
By transport	..	..	..	..	..	..
By households and other cons.	310	334	388	251	273	307
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	1505	1505	1505	1505	1505	1505
Combustible fuels	17	17	17	17	17	17
Hydro	1488	1488	1488	1488	1488	1488
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Main activity	1505	1505	1505	1505	1505	1505
Combustible fuels	17	17	17	17	17	17
Hydro	1488	1488	1488	1488	1488	1488
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Combustible fuel input	Terajoules					
Gas-diesel oil	*22	*4	*3	*6	*3	*2
Total input	*22	*4	*3	*6	*3	*2
Total production	7	1	1	2	1	1
Estimated efficiency (% of production to input)	33	33	33	33	33	33

Statistics on electricity
Bolivia (Plur. State of)

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	5734	5817	6121	6947	7219	7661
Combustible fuels	3415	3506	3823	4762	4869	5306
Hydro	2319	2310	2296	2182	2347	2352
Nuclear	..	..	..	..	..	..
Other	..	1	2	3	3	3
Main activity	5674	5730	6029	6841	7110	7547
Combustible fuels	3355	3420	3733	4659	4763	5195
Hydro	2319	2310	2296	2182	2347	2352
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	93	94	104	124	141	161
Net production	5641	5723	6017	6823	7078	7500
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	590	692	724	790	803	877
Consumption	4994	5522	5768	6166	6385	6672
Energy industries own use	..	..	..	..	..	..
By industry and construction	1461	1698	1772	1732	1749	1806
By transport	..	..	..	..	..	..
By households and other cons.	3533	3824	3996	4434	4636	4866
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	1499	1454	1531	1647	1684	1882
Combustible fuels	1014	1014	1041	1157	1188	1387
Hydro	485	440	488	488	494	494
Nuclear	..	..	..	..	..	..
Other	..	..	*2	*2	*2	*2
Main activity	1378	1334	1403	1508	1563	1746
Combustible fuels	917	917	942	1047	1096	1279
Hydro	461	416	461	462	467	467
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	1290	1247	1333	1677	1462	1978
Natural gas	36262	41597	45959	55467	60161	62116
Vegetal waste	*1450	*2065	*2170	*2467	*2539	*2667
Total input	39002	44909	49462	59611	64162	66761
Total production	12294	12622	13763	17143	17528	19102
Estimated efficiency (% of production to input)	32	28	28	29	27	29

Statistics on electricity
Bosnia and Herzegovina

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	11784	14823	15668	17124	15280	14082
Combustible fuels	7783	9956	9429	9098	10893	9867
Hydro	4001	4867	6239	8026	4387	4215
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	11628	14620	15348	16722	14955	13739
Combustible fuels	7627	9753	9109	8696	10568	9524
Hydro	4001	4867	6239	8026	4387	4215
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	1325	968	967	966	1053	1047
Net production	10459	13855	14701	16158	14227	13035
Imports	3743	3412	2887	3076	4171	4481
Exports	4344	5057	5877	6905	5660	4525
Losses	2218	1966	1875	1602	1549	1496
Consumption	7754	10244	9836	10727	11189	11495
Energy industries own use	..	260	373	380	401	398
By industry and construction	2402	3894	3132	3819	4215	4383
By transport	..	94	98	136	139	107
By households and other cons.	5352	5996	6233	6392	6434	6607
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*4304	*4304	*4304	*4304	*4304	*4304
Combustible fuels	*2187	*2187	*2187	*2187	*2187	*2187
Hydro	*2117	*2117	*2117	*2117	*2117	*2117
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*4074	*4074	*4074	*4074	*4074	*4074
Combustible fuels	*1957	*1957	*1957	*1957	*1957	*1957
Hydro	*2117	*2117	*2117	*2117	*2117	*2117
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Brown Coal	127106	135506	137746	136962	161630	149240
Fuel oil	2141	0	364	485	364	283
Natural gas	0	0	815	680	681	719
Total input	129247	135506	138925	138127	162675	150242
Total production	28019	35842	33944	32753	39215	35521
Estimated efficiency (% of production to input)	22	26	24	24	24	24

Statistics on electricity

Botswana

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	822	697	621	532	437	250
Combustible fuels	822	697	621	532	437	250
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	822	697	621	532	437	250
Combustible fuels	822	697	621	532	437	250
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	95	67	71	75	66	30
Net production	726	631	550	457	371	220
Imports	2394	2585	2749	2985	3180	3371
Exports	..	..	..	..	..	..
Losses	343	327	381	333	434	393
Consumption	2777	2889	2917	3109	3118	3198
Energy industries own use	..	..	..	..	..	..
By industry and construction	1199	1186	1123	1141	1411	1505
By transport	..	..	..	..	..	..
By households and other cons.	1578	1703	1794	1967	1707	1693
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	152	152	152	152	152	153
Combustible fuels	152	152	152	152	152	152
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	1
Main activity	132	132	132	132	132	133
Combustible fuels	132	132	132	132	132	132
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	1
Combustible fuel input	Terajoules					
Hard Coal	12358	12178	10862	9288	7637	4360
Fuel oil	81	..	..	..	..	..
Total input	12439	12178	10862	9288	7637	4360
Total production	2957	2509	2235	1916	1573	900
Estimated efficiency (% of production to input)	24	21	21	21	21	21

Statistics on electricity

Brazil

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	445094	463120	466158	515798	531759	552498
Combustible fuels	58084	78758	60975	95809	85062	116068
Hydro	374015	369556	390988	403289	428333	415342
Nuclear	12350	13969	12957	14523	15659	16038
Other	645	837	1238	2177	2705	5050
Main activity	397956	412013	409150	442803	454726	474469
Combustible fuels	25705	42922	23285	43504	30741	58502
Hydro	359256	354285	371670	382599	405621	394879
Nuclear	12350	13969	12957	14523	15659	16038
Other	645	837	1238	2177	2705	5050
Own use in electricity, CHP and heat plants	4895	5685	4895	5685	5075	6129
Net production	440199	457435	461263	510113	526684	546369
Imports	40866	42901	40746	35906	38430	40722
Exports	2034	689	1080	1257	2544	467
Losses	71796	77081	79795	85747	87524	94355
Consumption	407235	422566	421135	459015	475045	492269
Energy industries own use	12374	12711	13254	21152	18297	20221
By industry and construction	192616	197218	186741	203351	209390	209622
By transport	1575	1607	1591	1662	1700	1785
By households and other cons.	200670	211030	219549	232850	245658	260641
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	100450	102962	106573	112400	117134	120973
Combustible fuels	21325	22923	25353	29154	31243	32786
Hydro	76871	77694	78611	80637	82459	84294
Nuclear	2007	2007	2007	2007	2007	2007
Other	247	338	602	602	1425	1886
Main activity	90147	91863	94299	96867	99359	102155
Combustible fuels	14271	15216	16480	17013	17905	18448
Hydro	73622	74302	75210	77245	78022	79814
Nuclear	2007	2007	2007	2007	2007	2007
Other	247	338	602	602	1425	1886
Combustible fuel input	Terajoules					
Hard Coal	133463	124382	101962	122627	118293	160141
Gas-diesel oil	63640	82775	74949	95331	91934	116874
Fuel oil	51752	59428	45652	45167	29411	54015
Refinery gas	12336	25657	12548	19597	15890	20345
Other oil products	5347	5347	6030	5186	8241	10693
Natural gas	140564	251878	115327	307963	230183	398537
Coke-oven gas	10250	23060	14482	13318	13171	11595
Fuelwood	6404	11665	8295	11592	10752	11391
Bagasse	69244	74958	97407	147963	144372	160527
Vegetal waste	95249	88075	95938	94463	128035	143236
Others	0	708	413	1121	0	0
Total input	588249	747933	573001	864329	790282	1087353
Total production	209102	283529	219510	344912	306223	417845
Estimated efficiency (% of production to input)	36	38	38	40	39	38

Statistics on electricity

British Virgin Islands

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*110	*121	*125	*128	131	*130
Combustible fuels	*110	*121	*125	*128	131	*130
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*110	*121	*125	*128	131	*130
Combustible fuels	*110	*121	*125	*128	131	*130
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	*6	*5	*6	*6	6	*6
Net production	*104	*116	*119	*122	125	*124
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*13	*14	*14	*15	*15	*15
Consumption	*91	*102	*105	*107	*110	*109
Energy industries own use	..	..	..	..	..	..
By industry and construction	*3	*3	*3	*3	*3	*3
By transport	..	..	..	..	..	..
By households and other cons.	*88	*99	*102	*104	*107	*106
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	42	42	44	44	45	45
Combustible fuels	42	42	44	44	44	44
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	1	1
Main activity	42	42	44	44	45	45
Combustible fuels	42	42	44	44	44	44
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	1	1
Combustible fuel input	Terajoules					
Gas-diesel oil	*1187	*1307	*1350	*1380	*1415	*1406
Total input	*1187	*1307	*1350	*1380	*1415	*1406
Total production	*396	*436	*450	*461	472	*468
Estimated efficiency (% of production to input)	33	33	33	33	33	33

Statistics on electricity

Brunei Darussalam

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	3395	3423	3612	3792	3725	3930
Combustible fuels	3395	3423	3612	3792	3723	3928
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	2	2
Main activity	3045	3071	3269	3440	3395	3524
Combustible fuels	3045	3071	3269	3440	3393	3522
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	2	2
Own use in electricity, CHP and heat plants	115	114	151	159	68	79
Net production	3280	3309	3461	3633	3657	3851
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	165	164	218	368	267	243
Consumption	3115	3145	3243	3265	3390	3609
Energy industries own use	367	361	372	351	326	401
By industry and construction	190	185	190	180	226	213
By transport	..	..	..	..	..	..
By households and other cons.	2558	2599	2681	2734	2838	2995
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*759	*759	*768	*785	*802	*825
Combustible fuels	*759	*759	*768	*785	*802	*825
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*691	*691	*700	*715	*730	*750
Combustible fuels	*691	*691	*700	*715	*730	*750
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	344	344	387	387	430	430
Natural gas	49458	53388	56153	54554	52528	55917
Total input	49802	53732	56540	54941	52958	56347
Total production	12222	12323	13003	13651	13403	14141
Estimated efficiency (% of production to input)	25	23	23	25	25	25

Statistics on electricity
Bulgaria

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	43297	45037	42964	46653	50797	47329
Combustible fuels	25373	25873	23400	25001	29807	25518
Hydro	3234	3277	4053	5693	3691	3976
Nuclear	14643	15765	15256	15249	16314	15785
Other	47	122	255	710	985	2050
Main activity	41463	44166	42760	46411	50650	47059
Combustible fuels	23539	25002	23211	24773	29683	25263
Hydro	3234	3277	4053	5693	3691	3976
Nuclear	14643	15765	15256	15249	16314	15785
Other	47	122	240	696	962	2035
Own use in electricity, CHP and heat plants	4230	4342	4221	4435	4953	4470
Net production	39067	40695	38743	42218	45844	42859
Imports	3058	3097	2662	1167	1449	2353
Exports	7533	8441	7735	9613	12110	10661
Losses	4692	4669	4512	4480	4396	4231
Consumption	29599	30646	29094	29208	30762	30284
Energy industries own use	2386	1988	2247	2105	2341	2439
By industry and construction	10179	10441	8393	7818	8422	8267
By transport	451	425	467	399	367	302
By households and other cons.	16583	17792	17987	18886	19632	19276
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	9700	9637	9597	10027	10236	11637
Combustible fuels	4902	4647	4369	4574	4541	4912
Hydro	2876	2984	3001	3048	3108	3129
Nuclear	1892	1892	1892	1892	1892	1906
Other	30	114	335	513	695	1690
Main activity	9508	9456	9553	9975	10190	11587
Combustible fuels	4710	4466	4325	4522	4495	4862
Hydro	2876	2984	3001	3048	3108	3129
Nuclear	1892	1892	1892	1892	1892	1906
Other	30	114	335	513	695	1690
Combustible fuel input	Terajoules					
Hard Coal	82818	90868	64165	64990	65532	44221
Brown Coal	354256	350700	341796	377468	493276	432292
Lignite briquettes	39641	37757	33141	27614	14469	17864
Biogas	..	..	8	67	83	3
Gas-diesel oil	0	0	43	1677	301	172
Fuel oil	1172	2707	5818	970	808	808
Refinery gas	792	990	990	644	248	743
Petroleum coke	488	0	1333	6110	3283	5395
Natural gas	36013	35284	31711	31882	35513	37004
Fuelwood	0	89	26	91	316	549
Others	4925	1691	0	0	0	0
Total input	520103	520085	479029	511512	613828	539051
Total production	91343	93143	84240	90004	107305	91865
Estimated efficiency (% of production to input)	18	18	18	18	17	17

Statistics on electricity

Burkina Faso

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	612	619	700	565	530	626
Combustible fuels	501	484	568	448	448	529
Hydro	111	136	132	118	82	97
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	612	619	700	565	442	479
Combustible fuels	501	484	568	448	360	382
Hydro	111	136	132	118	82	97
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	26	25	28	45	50	50
Net production	586	595	672	520	480	576
Imports	124	136	145	385	495	515
Exports	..	..	..	..	..	..
Losses	103	95	102	113	*115	*136
Consumption	607	635	714	*791	*860	*955
Energy industries own use	6	6	9	*10	*10	*10
By industry and construction	137	132	149	*165	*180	*200
By transport	10	10	10	*11	*12	*13
By households and other cons.	455	487	546	*605	*658	*732
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	249	252	251	238	261	298
Combustible fuels	217	220	219	206	229	266
Hydro	32	32	32	32	32	32
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	249	252	251	238	200	237
Combustible fuels	217	220	219	206	168	205
Hydro	32	32	32	32	32	32
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	*4171	*4085	*4945	*3978	*3939	*4506
Fuel oil	*606	*646	*566	*404	*404	*404
Total input	*4777	*4731	*5511	*4382	*4343	*4910
Total production	1804	1741	2043	1612	1613	1904
Estimated efficiency (% of production to input)	38	37	37	37	37	39

Statistics on electricity

Burundi

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	119	114	123	144	143	144
Combustible fuels	*2	*2	*2	*2	*2	*2
Hydro	117	112	121	142	141	142
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	119	114	123	144	143	144
Combustible fuels	*2	*2	*2	*2	*2	*2
Hydro	117	112	121	142	141	142
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	8	8	8	8	8	8
Net production	111	106	115	136	135	136
Imports	77	*77	*92	95	*99	*99
Exports	..	..	..	..	..	..
Losses	*30	*32	*34	*40	0	0
Consumption	*159	*151	*172	*200	*244	*238
Energy industries own use	..	..	..	..	..	..
By industry and construction	*65	*62	*70	*82	*100	*98
By transport	..	..	..	..	..	..
By households and other cons.	*94	*89	*102	*118	*144	*140
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*33	*33	*33	*33	*33	*33
Combustible fuels	*1	*1	*1	*1	*1	*1
Hydro	*32	*32	*32	*32	*32	*32
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*33	*33	*33	*33	*33	*33
Combustible fuels	*1	*1	*1	*1	*1	*1
Hydro	*32	*32	*32	*32	*32	*32
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Fuel oil	*40	*40	*40	*40	*40	*40
Total input	*40	*40	*40	*40	*40	*40
Total production	*7	*7	*7	*7	*7	*7
Estimated efficiency (% of production to input)	18	18	18	18	18	18

Statistics on electricity

Cabo Verde

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	270	287	296	347	362	371
Combustible fuels	261	281	291	343	337	302
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	8	6	5	4	25	69
Main activity	269	286	295	346	362	371
Combustible fuels	260	280	290	342	337	302
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	8	6	5	4	25	69
Own use in electricity, CHP and heat plants	9	12	12	12	12	11
Net production	260	275	284	335	349	360
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	68	77	77	99	89	97
Consumption	192	198	207	224	225	224
Energy industries own use	..	..	..	..	..	..
By industry and construction	24	22	22	20	18	19
By transport	..	..	..	..	..	..
By households and other cons.	168	176	185	204	207	205
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	76	90	86	103	109	157
Combustible fuels	73	87	84	93	100	123
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	3	3	2	10	10	34
Main activity	75	89	85	102	109	157
Combustible fuels	72	86	83	92	100	123
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	3	3	2	10	10	34
Combustible fuel input	Terajoules					
Gas-diesel oil	1196	899	796	926	854	777
Fuel oil	1388	1931	1939	*1939	*1939	*1939
Total input	2583	2830	2735	*2865	*2793	*2716
Total production	941	1010	1049	1235	1214	1087
Estimated efficiency (% of production to input)	36	36	38	43	43	40

Statistics on electricity

Cambodia

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	1489	1479	1256	994	1053	1434
Combustible fuels	1440	1434	1217	965	1005	914
Hydro	47	43	37	26	45	517
Nuclear	..	..	..	..	..	..
Other	2	2	2	3	3	3
Main activity	1489	1479	1256	994	1053	1434
Combustible fuels	1440	1434	1217	965	1005	914
Hydro	47	43	37	26	45	517
Nuclear	..	..	..	..	..	..
Other	2	2	2	3	3	3
Own use in electricity, CHP and heat plants	55	30	26	29	31	42
Net production	1434	1449	1230	965	1022	1392
Imports	103	276	725	1357	1644	1891
Exports	..	..	..	..	..	..
Losses	216	164	178	286	296	262
Consumption	1319	1562	1778	2038	2370	3021
Energy industries own use	..	..	..	..	..	..
By industry and construction	238	278	323	379	430	548
By transport	..	..	..	..	..	..
By households and other cons.	1081	1284	1455	1659	1940	2473
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	315	386	373	362	571	584
Combustible fuels	302	371	359	347	362	357
Hydro	13	13	13	13	207	225
Nuclear	..	..	..	..	..	..
Other	*1	1	*1	*2	2	*2
Main activity	315	386	373	362	571	584
Combustible fuels	302	371	359	347	362	357
Hydro	13	13	13	13	207	225
Nuclear	..	..	..	..	..	..
Other	*1	1	*1	*2	2	*2
Combustible fuel input	Terajoules					
Brown Coal	..	0	224	238	266	294
Gas-diesel oil	3784	1978	2236	2580	2623	2365
Fuel oil	11595	13453	10464	7272	7636	6868
Vegetal waste	233	250	268	288	288	288
Total input	15612	15681	13192	10378	10813	9815
Total production	5184	5162	4381	3474	3618	3290
Estimated efficiency (% of production to input)	33	33	33	33	33	34

Statistics on electricity
Cameroon

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	5243	5681	5783	5899	6079	6238
Combustible fuels	1396	1449	1767	1639	1682	1699
Hydro	3847	4232	4016	4260	4397	4539
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	4256	4502	4451	4630	4749	4905
Combustible fuels	409	270	435	370	352	366
Hydro	3847	4232	4016	4260	4397	4539
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	536	484	581	456	711	620
Net production	4707	5197	5202	5443	5368	5618
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	490	538	540	580	598	620
Consumption	4217	4659	4662	4863	4770	4998
Energy industries own use	..	..	..	..	..	..
By industry and construction	2509	2712	2720	2781	2573	2623
By transport	..	..	..	..	..	..
By households and other cons.	1708	1947	1942	2082	2197	2375
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	922	937	1022	1007	1022	*1022
Combustible fuels	*203	*218	*303	*288	*303	*303
Hydro	719	719	719	719	719	*719
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	789	789	789	789	789	*789
Combustible fuels	*70	*70	*70	*70	*70	*70
Hydro	719	719	719	719	719	*719
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	5504	7138	10148	11137	11352	11911
Fuel oil	2424	1535	2141	2303	2384	2505
Natural gas	5166	5358	4427	4466	4649	4862
Fuelwood	*715	*722	*669	*554	*577	*603
Total input	13809	14753	17385	18460	18962	19881
Total production	5026	5216	6361	5900	6055	6116
Estimated efficiency (% of production to input)	36	35	37	32	32	31

Statistics on electricity
Canada

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	631616	635441	612203	602824	639347	634449
Combustible fuels	167383	158022	146575	151836	158138	147296
Hydro	367695	377561	368762	351461	375797	380622
Nuclear	93482	96020	90092	90658	93589	94862
Other	3056	3838	6774	8869	11823	11669
Main activity	581637	582915	559858	552906	583996	577336
Combustible fuels	146955	138578	125978	129127	133303	122221
Hydro	338145	344480	337016	324254	345282	348588
Nuclear	93482	96020	90092	90658	93589	94862
Other	3055	3837	6772	8867	11822	11665
Own use in electricity, CHP and heat plants	9609	9653	9551	9425	11664	10726
Net production	622007	625788	602652	593399	627683	623723
Imports	19380	23864	18163	18686	14962	10887
Exports	50331	56022	51782	44389	51517	57865
Losses	20830	20879	37849	34221	46198	44796
Consumption	570226	572751	531184	533475	544930	531949
Energy industries own use	30357	28139	27765	27524	28224	30028
By industry and construction	223188	215959	200231	202727	203599	187525
By transport	4044	4000	3855	3770	3852	4194
By households and other cons.	312637	324653	299333	299454	309255	310202
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	125990	127177	131678	132375	132795	134203
Combustible fuels	37301	37036	40929	40424	38944	38949
Hydro	73458	74407	74687	75078	75404	75573
Nuclear	13345	13345	12665	12665	12665	12665
Other	1886	2389	3397	4208	5782	7016
Main activity	116078	117154	121495	122045	122603	124300
Combustible fuels	32455	32160	35892	35264	33839	33839
Hydro	68392	69260	69541	69908	70317	70780
Nuclear	13345	13345	12665	12665	12665	12665
Other	1886	2389	3397	4208	5782	7016
Combustible fuel input	Terajoules					
Hard Coal	234135	197551	149537	152917	113288	104155
Brown Coal	651210	603064	523810	529508	513282	415408
Biogas	6504	6504	6504	8122	8128	8050
Gas-diesel oil	11782	9632	9804	9847	9245	10234
Fuel oil	62741	54055	51308	30138	22180	20079
Refinery gas	12326	8613	13217	13464	13464	13514
Petroleum coke	47873	29835	36108	32988	30323	30810
Natural gas	474227	491044	478341	522490	633190	665677
Fuelwood	72269	59578	65309	76257	77938	77928
Municipal waste	2468	2638	2638	2638	2638	2640
Others	1076	776	0	0	0	0
Total input	1576610	1463290	1336575	1378369	1423675	1348494
Total production	602579	568879	527670	546610	569297	530266
Estimated efficiency (% of production to input)	38	39	39	40	40	39

Statistics on electricity

Cayman Islands

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	604	615	626	624	626	607
Combustible fuels	604	615	626	624	626	607
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	604	615	626	624	626	607
Combustible fuels	604	615	626	624	626	607
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	604	615	626	624	626	607
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	50	49	49	53	53	39
Consumption	554	566	576	571	573	567
Energy industries own use	..	..	..	..	..	..
By industry and construction	290	300	299	295	299	297
By transport	..	..	..	..	..	..
By households and other cons.	264	266	277	276	274	270
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	137	137	153	151	151	150
Combustible fuels	137	137	153	151	151	150
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	137	137	153	151	151	150
Combustible fuels	137	137	153	151	151	150
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	5504	5418	5289	5461	5547	5160
Total input	5504	5418	5289	5461	5547	5160
Total production	2174	2214	2254	2246	2254	2185
Estimated efficiency (% of production to input)	40	41	43	41	41	42

Statistics on electricity

Central African Rep.

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	161	*161	160	*160	*174	*177
Combustible fuels	*24	*24	*24	*25	*27	*27
Hydro	137	*137	136	*135	*147	*150
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	161	*161	160	*160	*174	*177
Combustible fuels	*24	*24	*24	*25	*27	*27
Hydro	137	*137	136	*135	*147	*150
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	*1	*1	*2	*2	*9	*9
Net production	160	*160	158	*158	*165	*168
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*3	*3	*3	*9	*9	*9
Consumption	*149	*149	*148	*149	*156	*159
Energy industries own use	..	..	..	..	..	..
By industry and construction	*44	*44	*44	*44	*49	*50
By transport	..	..	..	..	..	..
By households and other cons.	*105	*105	*104	*105	*107	*109
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	41	*44	*44	*44	*44	*44
Combustible fuels	19	*19	*19	*19	*19	*19
Hydro	22	*25	*25	*25	*25	*25
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	41	*44	*44	*44	*44	*44
Combustible fuels	19	*19	*19	*19	*19	*19
Hydro	22	*25	*25	*25	*25	*25
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	*310	*310	*310	*323	*344	*344
Total input	*310	*310	*310	*323	*344	*344
Total production	*86	*86	*86	*90	*97	*97
Estimated efficiency (% of production to input)	28	28	28	28	28	28

Statistics on electricity
Chad

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	129	150	183	200	*218	205
Combustible fuels	129	150	183	200	*218	205
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	129	150	183	200	*218	205
Combustible fuels	129	150	183	200	*218	205
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	11	13	16	18	*18	19
Net production	118	137	167	182	*200	186
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	..	..	..	..	..	..
Consumption	*118	*137	*167	*182	*200	*186
Energy industries own use	..	..	..	..	..	..
By industry and construction	*42	*48	*59	*64	*71	*66
By transport	..	..	..	..	..	..
By households and other cons.	*76	*89	*108	*118	*130	*120
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*35	*41	*41	*41	*41	*41
Combustible fuels	*35	*41	*41	*41	*41	*41
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*35	*41	*41	*41	*41	*41
Combustible fuels	*35	*41	*41	*41	*41	*41
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	*1445	*1660	*2025	*2215	*2408	*2408
Total input	*1445	*1660	*2025	*2215	*2408	*2408
Total production	464	540	659	720	*785	738
Estimated efficiency (% of production to input)	32	33	33	33	33	31

Statistics on electricity
Chile

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	58509	59704	60722	60434	65713	69751
Combustible fuels	35370	35473	35250	38273	44366	49184
Hydro	23130	24193	25296	21717	21009	20158
Nuclear	..	..	..	..	..	..
Other	9	38	176	444	338	409
Main activity	54746	55620	55186	56760	60286	63973
Combustible fuels	32083	31810	30308	35047	39001	43607
Hydro	22654	23772	24799	21381	20953	19979
Nuclear	..	..	..	..	..	..
Other	9	38	79	332	332	387
Own use in electricity, CHP and heat plants	1570	1623	1993	2100	2524	3911
Net production	56939	58081	58729	58334	63189	65840
Imports	1628	1154	1348	958	732	0
Exports	..	..	..	..	..	..
Losses	4935	5081	6404	4967	4687	3499
Consumption	53635	54153	54533	55290	58492	62921
Energy industries own use	603	645	499	552	560	702
By industry and construction	35816	36509	36589	35853	38432	42154
By transport	408	426	422	432	478	474
By households and other cons.	16808	16573	17023	18453	19022	19591
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	13180	14019	15731	16231	17549	18153
Combustible fuels	7804	8566	10091	10576	11419	11957
Hydro	5356	5433	5452	5467	5946	5992
Nuclear	..	..	..	..	..	..
Other	20	20	188	188	184	204
Main activity	12114	12835	14420	14931	16358	17116
Combustible fuels	6827	7470	8893	9385	10244	10974
Hydro	5267	5345	5364	5383	5932	5950
Nuclear	..	..	..	..	..	..
Other	20	20	163	163	182	192
Combustible fuel input	Terajoules					
Hard Coal	116358	154078	150904	191513	220925	257794
Gas-diesel oil	99674	103372	80582	52374	40463	50654
Fuel oil	11272	11918	9373	8282	4969	8888
Liquefied petroleum gas	..	..	520	..	..	..
Refinery gas	1287	1683	1287	1287	396	495
Petroleum coke	18785	13195	11440	11343	14365	16088
Natural gas	42724	21839	35190	81548	112011	112082
Fuelwood	20647	21569	30672	15373	25947	154961
Total input	310747	327654	319968	361720	419077	600961
Total production	127332	127703	126900	137783	159718	177062
Estimated efficiency (% of production to input)	41	39	40	38	38	29

Statistics on electricity
China

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	3281553	3456738	3714650	4207160	4713019	4987553
Combustible fuels	2722933	2790078	2982780	3331928	3833702	3892814
Hydro	485264	585187	615640	722172	698945	872107
Nuclear	62130	68394	70134	73880	86350	97394
Other	11226	13079	46096	79180	94022	125238
Main activity	3060723	3172334	3472747	3936941	4402106	4671846
Combustible fuels	2502103	2505674	2740877	3061709	3522789	3577107
Hydro	485264	585187	615640	722172	698945	872107
Nuclear	62130	68394	70134	73880	86350	97394
Other	11226	13079	46096	79180	94022	125238
Own use in electricity, CHP and heat plants	206171	213788	282176	311927	381142	367045
Net production	3075382	3242950	3432474	3895233	4331877	4620508
Imports	4251	3842	6006	5545	6562	6874
Exports	14566	16644	17386	19059	19307	17653
Losses	206171	213788	225822	256824	270070	289616
Consumption	3065010	*3240347	3195217	3624698	4048876	4319603
Energy industries own use	136548	143724	156977	174778	189065	197977
By industry and construction	2117262	*2218085	2062664	2391972	2686060	2829423
By transport	53191	57182	61701	73453	84842	91537
By households and other cons.	758009	821356	913875	984495	1088909	1200666
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	762570	848700	*859900	*999494	*1005536	*1012871
Combustible fuels	600950	663000	*669300	*776000	*776000	*776000
Hydro	148620	168000	*171000	*194000	*194000	*194000
Nuclear	9000	9000	*9000	*11000	*11000	*12344
Other	4000	8700	*10600	*18494	*24536	*30527
Main activity	712680	793700	*802900	*942494	*948536	*955871
Combustible fuels	554420	613000	*617300	*724000	*724000	*724000
Hydro	145260	163000	*166000	*189000	*189000	*189000
Nuclear	9000	9000	*9000	*11000	*11000	*12344
Other	4000	8700	*10600	*18494	*24536	*30527
Combustible fuel input	Terajoules					
Hard Coal	33681590	34920739	37143563	39871965	45299261	46060995
Gas-diesel oil	99502	79593	65274	50568	17875	16344
Fuel oil	228502	140390	77972	50056	24563	23190
Refinery gas	18612	17672	25097	36630	35591	35096
Petroleum coke	..	..	..	73158	82797	89011
Other oil products	..	..	..	50893	31867	9817
Natural gas	302079	304327	500366	688257	837450	867634
Gasworks gas	..	..	..	62362	108087	118023
Coke-oven gas	143097	160550	159094	189788	213395	234728
Blast furnace gas	..	..	..	434047	509705	540958
Others	6770	3809	2752	3005	6735	5204
Total input	34480153	35627079	37974117	41510729	47167325	48001000
Total production	9802559	10044281	10738008	11994941	13801327	14014130
Estimated efficiency (% of production to input)	28	28	28	29	29	29

Statistics on electricity
China, Hong Kong SAR

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	38948	37990	38728	38292	39026	38752
Combustible fuels	38947	37989	38727	38291	39024	38750
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*1	*1	*1	*1	*2	*2
Main activity	38948	37990	38728	38292	39026	38752
Combustible fuels	38947	37989	38727	38291	39024	38750
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*1	*1	*1	*1	*2	*2
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	38948	37990	38728	38292	39026	38752
Imports	10959	11297	11590	11046	11339	11808
Exports	4035	3553	3731	2609	2957	1838
Losses	5018	4805	5096	4866	5344	5691
Consumption	40853	40929	41491	41862	42065	43031
Energy industries own use	..	..	..	..	..	..
By industry and construction	3640	3384	3095	3078	3084	3134
By transport	..	..	..	..	..	..
By households and other cons.	37213	37545	38396	38784	38981	39897
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	12644	12624	12624	12624	12624	12625
Combustible fuels	12643	12623	12623	12623	12622	12623
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*1	*1	*1	*1	*2	*2
Main activity	12644	12624	12624	12624	12624	12625
Combustible fuels	12643	12623	12623	12623	12622	12623
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*1	*1	*1	*1	*2	*2
Combustible fuel input	Terajoules					
Hard Coal	306298	280575	293036	254981	*307072	*302376
Gas-diesel oil	258	258	731	602	516	602
Fuel oil	970	1212	1131	929	1050	7636
Natural gas	63565	77503	87636	114576	*91249	*84025
Total input	371090	359548	382535	371089	*399887	*394639
Total production	140209	136760	139417	137848	140486	139500
Estimated efficiency (% of production to input)	38	38	36	37	35	35

Statistics on electricity

China, Macao SAR

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	1520	1211	1466	1077	837	489
Combustible fuels	1520	1211	1466	1077	837	489
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	1407	1104	1350	944	730	376
Combustible fuels	1407	1104	1350	944	730	376
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	66	59	61	48	50	42
Net production	1454	1152	1405	1029	787	447
Imports	1683	2311	2227	2786	3165	3855
Exports	..	..	..	..	..	..
Losses	153	151	169	160	140	152
Consumption	2984	3312	3463	3656	3859	4207
Energy industries own use	3	3	3	3	*3	*3
By industry and construction	608	738	337	214	167	179
By transport	..	..	..	..	..	..
By households and other cons.	2373	2571	3123	3439	3689	4025
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	497	497	497	497	497	497
Combustible fuels	497	497	497	497	497	497
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	472	472	472	472	472	472
Combustible fuels	472	472	472	472	472	472
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	774	172	43	0	43	86
Fuel oil	10100	5777	7474	2464	3474	2990
Natural gas	..	3212	3635	6036	2888	0
Municipal waste	*1627	*1541	*1670	*1915	*1541	*1627
Total input	12501	10702	12822	10415	7946	4703
Total production	5472	4360	5278	3877	3013	1760
Estimated efficiency (% of production to input)	44	41	41	37	38	37

Statistics on electricity
Colombia

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	55314	56024	57265	60111	59653	60805
Combustible fuels	10820	9567	16157	19448	10068	12639
Hydro	44445	46403	41050	40624	49544	48111
Nuclear	..	..	..	..	..	..
Other	49	54	58	39	41	55
Main activity	53374	54017	55401	59200	58303	59733
Combustible fuels	9111	7802	14506	18760	9384	12096
Hydro	44214	46161	40837	40401	48878	47582
Nuclear	..	..	..	..	..	..
Other	49	54	58	39	41	55
Own use in electricity, CHP and heat plants	1234	1708	1081	1129	1715	1065
Net production	54080	54316	56184	58982	57938	59740
Imports	39	77	21	10	8	7
Exports	877	1473	1077	798	1543	715
Losses	11148	10798	8407	9137	7430	7718
Consumption	42185	42990	46299	47022	49874	50865
Energy industries own use	..	..	..	..	..	..
By industry and construction	13725	13862	14205	14067	16093	15502
By transport	57	58	60	62	63	65
By households and other cons.	28403	29070	32034	32893	33718	35298
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	13225	13697	13732	13732	14424	14478
Combustible fuels	4604	4683	4688	4688	5221	5275
Hydro	8602	8996	9026	9026	9185	9185
Nuclear	..	..	..	..	..	..
Other	18	18	18	18	18	18
Main activity	12954	13425	13460	13460	14071	14122
Combustible fuels	4375	4454	4459	4459	4960	5011
Hydro	8561	8953	8983	8983	9093	9093
Nuclear	..	..	..	..	..	..
Other	18	18	18	18	18	18
Combustible fuel input	Terajoules					
Hard Coal	31192	29593	45176	40790	20563	32044
Crude oil	550	550	..	..	..	..
Gas-diesel oil	387	387	2623	3999	43	1763
Fuel oil	808	808	1212	2182	1616	2384
Natural gas	71426	53189	102183	112133	76321	80912
Blast furnace gas	1101	1260	842	*664	501	590
Bagasse	5297	5336	5336	24966	20641	20147
Vegetal waste	791	804	958	716	609	661
Total input	111552	91926	158330	185449	120294	138500
Total production	38952	34441	58165	70013	36245	45500
Estimated efficiency (% of production to input)	35	37	37	38	30	33

Statistics on electricity
Comoros

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*47	*45	*43	*43	*43	*43
Combustible fuels	*42	*40	*38	*38	*38	*38
Hydro	*5	*5	*5	*5	*5	*5
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*47	*45	*43	*43	*43	*43
Combustible fuels	*42	*40	*38	*38	*38	*38
Hydro	*5	*5	*5	*5	*5	*5
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	*2	*2	*2	*2	*2	*2
Net production	*45	*43	*41	*41	*41	*41
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	..	..	..	..	..	..
Consumption	*45	*43	*41	*41	*41	*41
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	*45	*43	*41	*41	*41	*41
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*22	*22	*22	*22	*22	*22
Combustible fuels	*21	*21	*21	*21	*21	*21
Hydro	1	*1	*1	*1	*1	*1
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*22	*22	*22	*22	*22	*22
Combustible fuels	*21	*21	*21	*21	*21	*21
Hydro	1	*1	*1	*1	*1	*1
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	*430	*430	*430	*430	*430	*430
Total input	*430	*430	*430	*430	*430	*430
Total production	*151	*144	*137	*137	*137	*137
Estimated efficiency (% of production to input)	35	33	32	32	32	32

Statistics on electricity
Congo

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	416	495	539	785	1293	1342
Combustible fuels	81	120	209	355	502	521
Hydro	335	375	330	430	791	821
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	416	495	539	785	1293	1342
Combustible fuels	81	120	209	355	502	521
Hydro	335	375	330	430	791	821
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	58	111	95	88	145	150
Net production	358	384	444	697	1148	1192
Imports	449	436	440	281	27	55
Exports	..	..	..	..	..	..
Losses	370	354	379	466	595	618
Consumption	420	433	481	500	606	629
Energy industries own use	..	..	..	..	..	..
By industry and construction	207	213	237	246	283	309
By transport	..	..	..	..	..	..
By households and other cons.	213	220	244	254	323	320
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	121	148	*148	*179	*310	*310
Combustible fuels	29	29	*29	*60	*90	*90
Hydro	92	119	*119	*119	*220	*220
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	121	148	*148	*179	*310	*310
Combustible fuels	29	29	*29	*60	*90	*90
Hydro	92	119	*119	*119	*220	*220
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	*215	*215	215	129	129	129
Fuel oil	..	..	121	40	0	0
Natural gas	824	987	2125	3923	5734	5955
Total input	1039	1202	2461	4092	5863	6084
Total production	292	432	752	1278	1807	1876
Estimated efficiency (% of production to input)	28	36	31	31	31	31

Statistics on electricity

Cook Islands

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	34	34	33	34	34	33
Combustible fuels	34	34	33	34	34	33
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	34	34	33	34	34	33
Combustible fuels	34	34	33	34	34	33
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	34	34	33	34	34	33
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	..	..	..	..	..	..
Consumption	34	34	33	34	34	33
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	34	34	33	34	34	33
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*8	8	*8	*8	*8	*8
Combustible fuels	*8	8	*8	*8	*8	*8
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*8	8	*8	*8	*8	*8
Combustible fuels	*8	8	*8	*8	*8	*8
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	*387	*387	*387	*387	*387	*387
Total input	*387	*387	*387	*387	*387	*387
Total production	121	121	118	121	121	118
Estimated efficiency (% of production to input)	31	31	30	31	31	31

Statistics on electricity
Costa Rica

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	9050	9474	9311	9583	9831	10174
Combustible fuels	801	758	575	786	1002	1009
Hydro	6769	7386	7224	7262	7135	7233
Nuclear	..	..	..	..	..	..
Other	1480	1329	1512	1535	1694	1932
Main activity	7357	7681	7441	7542	7837	7988
Combustible fuels	722	677	451	641	863	830
Hydro	5551	6040	5936	5872	5831	5877
Nuclear	..	..	..	..	..	..
Other	1083	964	1054	1028	1143	1281
Own use in electricity, CHP and heat plants	102	91	68	101	91	109
Net production	8948	9383	9244	9483	9741	10066
Imports	203	96	151	165	283	419
Exports	40	166	134	136	320	402
Losses	908	973	986	970	1060	1083
Consumption	8228	8408	8313	8565	8673	9019
Energy industries own use	..	..	..	..	..	..
By industry and construction	1951	1912	1753	1828	1818	1893
By transport	..	..	..	..	..	..
By households and other cons.	6277	6496	6560	6736	6855	7126
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	2146	2414	2415	2953	*2888	*2723
Combustible fuels	448	605	619	906	*862	*656
Hydro	1457	1568	1542	1554	*1682	*1701
Nuclear	..	..	..	..	..	..
Other	241	241	254	493	*344	*366
Main activity	1869	2122	2113	2688	*2609	*2442
Combustible fuels	424	581	595	882	*838	*632
Hydro	1277	1373	1337	1386	*1500	*1517
Nuclear	..	..	..	..	..	..
Other	168	168	181	420	*271	*293
Combustible fuel input	Terajoules					
Gas-diesel oil	7215	7261	4327	6100	3575	850
Fuel oil	1519	899	702	1113	4740	5655
Bagasse	449	424	802	936	883	1196
Vegetal waste	95	91	108	107	109	118
Total input	9278	8676	5939	8256	9307	7819
Total production	2884	2731	2068	2830	3608	3632
Estimated efficiency (% of production to input)	31	31	35	34	39	46

Statistics on electricity
Côte d'Ivoire

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	5631	5800	5871	5965	6099	7016
Combustible fuels	3834	3902	3740	4347	4325	5227
Hydro	1797	1898	2131	1618	1774	1789
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	5514	5677	5797	5884	6034	6948
Combustible fuels	3717	3779	3666	4266	4260	5159
Hydro	1797	1898	2131	1618	1774	1789
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	282	290	294	298	305	351
Net production	5349	5510	5577	5667	5794	6665
Imports	..	..	..	145	22	54
Exports	772	599	484	491	615	645
Losses	1272	1365	1365	1204	1365	1366
Consumption	3305	3546	3728	4117	3836	4708
Energy industries own use	..	..	..	..	..	..
By industry and construction	903	980	967	1068	1312	1312
By transport	..	..	..	..	..	..
By households and other cons.	2402	2566	2761	3049	2524	3396
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*1520	*1541	*1541	*1571	*1621	*1641
Combustible fuels	*622	*643	*643	*673	*723	*743
Hydro	*898	*898	*898	*898	*898	*898
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*1498	*1518	*1518	*1548	*1598	*1618
Combustible fuels	*600	*620	*620	*650	*700	*720
Hydro	*898	*898	*898	*898	*898	*898
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	86	86	86	86	86	129
Fuel oil	162	40	40	970	323	5090
Natural gas	45485	51646	45515	53123	52420	60590
Vegetal waste	1661	1705	1537	1471	1364	1401
Total input	47394	53477	47178	55650	54193	67210
Total production	13802	14047	13464	15649	15570	18817
Estimated efficiency (% of production to input)	29	26	29	28	29	28

Statistics on electricity

Croatia

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	12245	12326	12776	14105	10831	10557
Combustible fuels	7810	6960	5907	5531	6010	5425
Hydro	4400	5326	6815	8435	4620	4801
Nuclear	..	..	..	..	..	..
Other	35	40	54	139	201	331
Main activity	11725	11861	12371	13650	10315	10169
Combustible fuels	7297	6500	5507	5084	5498	5042
Hydro	4393	5321	6810	8427	4616	4796
Nuclear	..	..	..	..	..	..
Other	35	40	54	139	201	331
Own use in electricity, CHP and heat plants	542	516	422	470	422	359
Net production	11703	11810	12354	13635	10409	10198
Imports	7812	12254	11892	12415	13985	13174
Exports	1451	5677	6210	7650	6288	5545
Losses	2026	1706	2019	2022	1831	1887
Consumption	16038	16681	16017	16378	16275	15940
Energy industries own use	654	544	506	516	540	590
By industry and construction	3942	3969	3551	3605	3464	3135
By transport	277	276	267	267	261	249
By households and other cons.	11165	11892	11693	11990	12010	11966
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	3906	3908	3976	4010	4015	4218
Combustible fuels	1814	1816	1876	1781	1787	1897
Hydro	2075	2075	2083	2113	2110	2141
Nuclear	..	..	..	..	..	..
Other	17	17	17	116	118	180
Main activity	3693	3693	3762	3796	3801	4017
Combustible fuels	1605	1605	1666	1571	1577	1698
Hydro	2071	2071	2079	2109	2106	2139
Nuclear	..	..	..	..	..	..
Other	17	17	17	116	118	180
Combustible fuel input	Terajoules					
Hard Coal	23117	23865	16512	23633	24691	22085
Brown Coal	154	28	14	140	140	98
Biogas	66	222	195	260	276	437
Gas-diesel oil	86	43	86	43	43	86
Fuel oil	22584	19513	20240	5898	7393	5414
Liquefied petroleum gas	47	0	0	0	0	47
Refinery gas	50	0	0	50	50	149
Natural gas	36906	29082	25603	28028	28364	28239
Gasworks gas	0	0	0	0	0	0
Fuelwood	24	22	29	24	833	1046
Others	0	0	0	0	33	0
Total input	83033	72775	62679	58076	61822	57600
Total production	28116	25056	21265	19912	21636	19530
Estimated efficiency (% of production to input)	34	34	34	34	35	34

Statistics on electricity
Cuba

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	17622	17681	17727	17387	17759	18432
Combustible fuels	17501	17543	17576	17290	17660	18321
Hydro	121	138	151	97	99	111
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	16843	16780	16859	16584	16944	17596
Combustible fuels	16722	16642	16708	16487	16845	17485
Hydro	121	138	151	97	99	111
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	928	897	886	903	947	982
Net production	16694	16784	16841	16484	16812	17450
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	2970	2808	2749	2788	2787	2919
Consumption	14713	16783	16817	17109	17760	18432
Energy industries own use	..	..	..	..	..	..
By industry and construction	4783	3657	3703	3782	4781	4900
By transport	173	279	264	251	254	258
By households and other cons.	9757	12847	12850	13076	12725	13274
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	5430	5397	5551	5853	5914	5699
Combustible fuels	5389	5337	5493	5790	5849	5637
Hydro	41	60	58	63	65	62
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	4883	4850	5004	5304	5370	5180
Combustible fuels	4842	4790	4946	5241	5305	5118
Hydro	41	60	58	63	65	62
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Crude oil	*105623	*95006	*111799	*110022	*108034	*102197
Gas-diesel oil	*20898	*17974	*25241	*19823	*19307	*18748
Fuel oil	*16160	*24200	*24200	*73932	*73932	*84961
Bagasse	*26371	*29830	*28718	*23375	*30502	*30580
Total input	*169052	*167010	*189958	*227152	*231775	*236486
Total production	63004	63155	63274	62244	63576	65956
Estimated efficiency (% of production to input)	37	38	33	27	27	28

Statistics on electricity
Cyprus

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	4871	5078	5215	5322	4929	4717
Combustible fuels	4869	5075	5211	5284	4803	4510
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	3	4	38	126	207
Main activity	4787	4998	5138	5246	4861	4657
Combustible fuels	4786	4996	5135	5210	4737	4452
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	2	3	36	124	205
Own use in electricity, CHP and heat plants	265	272	266	222	231	174
Net production	4606	4806	4949	5100	4698	4543
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	215	153	189	220	160	137
Consumption	4391	4641	4758	4889	4729	4417
Energy industries own use	6	7	7	7	8	8
By industry and construction	602	635	591	579	529	485
By transport	..	..	..	..	..	..
By households and other cons.	3783	3999	4160	4303	4192	3924
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	1136	1187	1358	1540	1068	*1596
Combustible fuels	1134	1185	1355	1455	982	*1510
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*2	*2	3	85	*86	*86
Main activity	1119	1169	1340	1522	1050	*1578
Combustible fuels	1118	1168	1338	1438	965	*1493
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*1	*1	2	84	*85	*85
Combustible fuel input	Terajoules					
Biogas	9	78	144	169	272	283
Gas-diesel oil	731	989	3956	6794	4902	9288
Fuel oil	48157	49854	47510	42945	42905	36279
Total input	48897	50921	51610	49908	48079	45850
Total production	17528	18270	18760	19022	17291	16236
Estimated efficiency (% of production to input)	36	36	36	38	36	35

Statistics on electricity
Czech Republic

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	88198	83518	82250	85910	87561	87573
Combustible fuels	59375	54332	51683	53581	54035	51824
Hydro	2523	2376	2982	3380	2664	2860
Nuclear	26172	26551	27208	27998	28283	30324
Other	128	259	377	951	2579	2565
Main activity	78931	73958	73344	76596	79432	79588
Combustible fuels	50675	45329	43347	44953	46409	44362
Hydro	1957	1820	2412	2694	2161	2337
Nuclear	26172	26551	27208	27998	28283	30324
Other	127	258	377	951	2579	2565
Own use in electricity, CHP and heat plants	6786	6433	6260	6446	6533	6485
Net production	81412	77085	75990	79464	81028	81088
Imports	10204	8520	8586	6642	10457	11587
Exports	26357	19989	22230	21590	27501	28707
Losses	4915	4662	4487	4466	4405	4187
Consumption	60338	60947	57852	60042	59570	59773
Energy industries own use	3104	2914	2946	2838	2819	3119
By industry and construction	24173	24346	21821	22592	23216	22698
By transport	2292	2133	2070	2196	2251	2234
By households and other cons.	30769	31554	31015	32416	31284	31722
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	17557	17571	18326	19829	20181	20447
Combustible fuels	11508	11445	11654	11793	11888	11915
Hydro	2171	2176	2184	2196	2197	2212
Nuclear	3760	3760	3830	3900	3970	4040
Other	118	190	658	1940	2126	2280
Main activity	15216	15423	16137	17968	18294	18554
Combustible fuels	9318	9450	9626	10105	10175	10205
Hydro	2020	2023	2023	2023	2023	2029
Nuclear	3760	3760	3830	3900	3970	4040
Other	118	190	658	1940	2126	2280
Combustible fuel input	Terajoules					
Hard Coal	111920	90403	89990	98762	94815	82818
Brown Coal	592956	559734	522956	534310	546924	535878
Biogas	2108	2521	3862	5055	7510	11552
Fuel oil	2545	3151	4000	3272	2505	2020
Natural gas	22668	17722	18651	18829	21673	21705
Gasworks gas	14408	15963	16642	18152	17741	16801
Coke-oven gas	5956	5665	4865	5190	6711	6278
Blast furnace gas	8778	9197	6034	8883	7891	7130
Fuelwood	*8665	*10905	*13382	*15457	*17370	*19150
Municipal waste	1793	1576	815	1778	4141	4410
Others	1535	1091	775	16645	18822	1282
Total input	773333	717928	681972	726334	746103	709024
Total production	213750	195595	186059	192892	194526	186566
Estimated efficiency (% of production to input)	28	27	27	27	26	26

Statistics on electricity
Dem. Rep. of the Congo

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	7860	7529	7835	7888	7882	7966
Combustible fuels	36	46	35	35	35	35
Hydro	7824	7483	7800	7853	7847	7931
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	7575	7228	7526	7559	7533	7592
Combustible fuels	7	17	6	6	6	6
Hydro	7568	7211	7520	7553	7527	7586
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	21	14	15	15	15	257
Net production	7839	7515	7820	7873	7867	7709
Imports	76	83	105	161	44	0
Exports	1402	674	887	916	171	0
Losses	382	824	384	855	1022	593
Consumption	6131	6100	6654	6263	6718	7116
Energy industries own use	..	..	..	..	..	..
By industry and construction	3887	3867	4218	3970	4258	4646
By transport	..	..	..	..	..	..
By households and other cons.	2244	2233	2436	2293	2460	2470
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	2444	2476	*2476	*2506	*2506	*2506
Combustible fuels	34	34	*34	*34	*34	*34
Hydro	2410	2442	*2442	*2472	*2472	*2472
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	1875	1899	*1899	*1929	*1929	*1929
Combustible fuels	30	30	*30	*30	*30	*30
Hydro	1845	1869	*1869	*1899	*1899	*1899
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	86	172	86	86	86	86
Natural gas	331	331	331	331	331	331
Total input	417	503	417	417	417	417
Total production	130	166	126	126	126	126
Estimated efficiency (% of production to input)	31	33	30	30	30	30

Statistics on electricity

Denmark

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	39316	36616	36383	38862	35232	30727
Combustible fuels	32115	29659	29639	31026	25426	20336
Hydro	28	26	19	21	17	17
Nuclear	..	..	..	..	..	..
Other	7173	6931	6725	7815	9789	10374
Main activity	36955	34319	34282	36578	33068	28678
Combustible fuels	29756	27365	27542	28748	23277	18391
Hydro	28	26	19	21	17	17
Nuclear	..	..	..	..	..	..
Other	7171	6928	6721	7809	9774	10270
Own use in electricity, CHP and heat plants	1960	1764	1921	1989	1680	1500
Net production	37356	34852	34462	36873	33552	29227
Imports	10427	12815	11208	10599	11694	15920
Exports	11377	11360	10874	11734	10374	10706
Losses	1947	2175	2365	2624	2193	2176
Consumption	34432	34112	32410	33329	32855	32336
Energy industries own use	956	995	964	960	931	931
By industry and construction	9986	9636	8454	8624	8734	8602
By transport	356	378	395	404	397	385
By households and other cons.	23134	23103	22597	23341	22793	22418
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	13000	13002	13393	13438	13587	14072
Combustible fuels	9864	9827	9897	9620	9609	9501
Hydro	9	9	9	9	9	9
Nuclear	..	..	..	..	..	..
Other	3127	3166	3487	3809	3969	4562
Main activity	12361	12343	12741	12795	12938	13043
Combustible fuels	9228	9171	9250	8984	8977	8871
Hydro	9	9	9	9	9	9
Nuclear	..	..	..	..	..	..
Other	3124	3163	3482	3802	3952	4163
Combustible fuel input	Terajoules					
Hard Coal	194558	172370	171106	166591	137643	108412
Biogas	2858	2772	3266	3414	3303	3532
Gas-diesel oil	645	1290	2666	1591	1290	1118
Fuel oil	10585	8686	9090	6060	2626	2141
Liquefied petroleum gas	..	..	..	47	47	47
Refinery gas	1733	1386	1436	1535	1188	1337
Natural gas	75039	76367	70767	84297	62647	47378
Fuelwood	*21577	*20509	*23917	*40152	*38156	*40953
Vegetal waste	0	0	0	0	0	0
Municipal waste	33331	34053	33880	32654	32728	32282
Others	0	0	0	0	0	0
Total input	340325	317433	316127	336340	279628	237200
Total production	115614	106772	106700	111694	91534	73210
Estimated efficiency (% of production to input)	34	34	34	33	33	31

Statistics on electricity

Djibouti

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	323	339	349	*379	*387	393
Combustible fuels	323	339	349	*379	*387	393
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	323	339	349	*379	*387	393
Combustible fuels	323	339	349	*379	*387	393
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	2	13	6	*6	*7	6
Net production	321	326	343	*373	*381	387
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	68	56	75	84	90	*90
Consumption	*254	*270	*267	*289	*290	*297
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	*254	*270	*267	*289	*290	*297
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	118	130	130	130	130	130
Combustible fuels	118	130	130	130	130	130
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	118	130	130	130	130	130
Combustible fuels	118	130	130	130	130	130
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	*1213	*1079	*1406	*1084	*1170	*1234
Fuel oil	*2137	*2424	*2222	*2828	*2828	*2828
Total input	*3350	*3503	*3628	*3912	*3998	*4062
Total production	1163	1220	1256	*1364	*1393	1415
Estimated efficiency (% of production to input)	35	35	35	35	35	35

Statistics on electricity
Dominica

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	86	88	93	99	100	102
Combustible fuels	65	67	70	76	65	75
Hydro	22	21	23	23	36	27
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	86	88	93	99	100	102
Combustible fuels	65	67	70	76	65	75
Hydro	22	21	23	23	36	27
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	3	3	3	3	3	4
Net production	83	84	90	96	97	98
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	12	11	9	9	8	8
Consumption	71	74	80	87	89	90
Energy industries own use	..	..	..	..	..	..
By industry and construction	6	6	8	8	8	8
By transport	..	..	..	..	..	..
By households and other cons.	66	68	72	79	81	82
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	25	21	24	27	27	27
Combustible fuels	17	17	19	20	20	20
Hydro	8	5	5	7	7	7
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	25	21	24	27	27	27
Combustible fuels	17	17	19	20	20	20
Hydro	8	5	5	7	7	7
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	658	671	679	753	636	740
Total input	658	671	679	753	636	740
Total production	232	241	251	274	233	269
Estimated efficiency (% of production to input)	35	36	37	36	37	36

Statistics on electricity
Dominican Republic

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	14349	14749	14381	15332	15894	16893
Combustible fuels	12667	13366	12928	13916	14367	15015
Hydro	1681	1382	1453	1416	1513	1783
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	14	96
Main activity	11517	11888	11640	12463	12975	13850
Combustible fuels	9835	10505	10187	11046	11448	11971
Hydro	1681	1382	1453	1416	1513	1783
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	14	96
Own use in electricity, CHP and heat plants	463	427	398	391	468	486
Net production	13885	14322	13983	14941	15426	16408
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	1658	1719	1686	1811	1876	2005
Consumption	12227	12603	12297	13130	13550	14403
Energy industries own use	77	78	22	23	23	24
By industry and construction	5104	5247	4821	5450	5643	5697
By transport	..	..	..	27	30	31
By households and other cons.	7046	7278	7454	7631	7855	8651
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	3537	3288	3333	3330	3375	3690
Combustible fuels	3067	2816	2810	2807	2818	2999
Hydro	469	472	523	523	523	605
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	33	85
Main activity	3167	2918	2963	2960	3005	3320
Combustible fuels	2697	2446	2439	2436	2448	2629
Hydro	469	472	523	523	523	605
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	33	85
Combustible fuel input	Terajoules					
Hard Coal	18782	20382	19943	19273	20485	22611
Motor gasoline	656	663	635	665	676	705
Gas-diesel oil	23391	27099	23899	19648	26909	25335
Fuel oil	58157	58660	57810	58761	53211	51521
Natural gas	19891	20720	20209	31741	33965	42511
Bagasse	961	971	930	974	991	1033
Total input	121839	128495	123427	131060	136237	143716
Total production	45603	48119	46541	50097	51722	54052
Estimated efficiency (% of production to input)	37	37	38	38	38	38

Statistics on electricity

Ecuador

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	16361	18826	18588	19551	20562	22847
Combustible fuels	7323	7529	9363	10912	9426	10607
Hydro	9037	11294	9222	8636	11133	12238
Nuclear	..	..	..	..	..	..
Other	1	3	3	3	3	2
Main activity	12591	14815	14291	15746	16086	18052
Combustible fuels	4071	4151	5643	7564	5455	6323
Hydro	8519	10661	8645	8179	10628	11727
Nuclear	..	..	..	..	..	..
Other	1	3	3	3	3	2
Own use in electricity, CHP and heat plants	307	322	524	260	300	379
Net production	16054	18504	18064	19291	20262	22468
Imports	861	500	1120	873	1295	238
Exports	38	38	21	10	14	12
Losses	3573	3618	3343	3290	3349	3312
Consumption	12199	15538	15448	16832	18185	19393
Energy industries own use	..	..	..	..	..	..
By industry and construction	3478	6293	6368	7163	7724	8220
By transport	10	10	10	10	10	10
By households and other cons.	8711	9235	9070	9659	10451	11163
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	4489	4239	4391	4761	4793	5064
Combustible fuels	2429	2152	2360	2544	2584	2824
Hydro	2058	2085	2029	2215	2207	2237
Nuclear	..	..	..	..	..	..
Other	2	2	2	2	2	3
Main activity	3753	3680	3749	4049	4083	4324
Combustible fuels	1791	1685	1798	1914	1947	2160
Hydro	1960	1993	1949	2133	2134	2161
Nuclear	..	..	..	..	..	..
Other	2	2	2	2	2	3
Combustible fuel input	Terajoules					
Crude oil	7318	7910	7868	8375	9052	9687
Motor gasoline	487	975	1240	1816	1816	0
Gas-diesel oil	22661	17329	21586	37840	23693	18576
Fuel oil	31916	27714	31876	29775	33532	51146
Liquefied petroleum gas	804	851	757	757	710	615
Natural gas	18068	15813	17800	19707	17413	22847
Bagasse	12463	12842	12842	12579	14502	14811
Total input	93718	83434	93968	110850	100718	117682
Total production	26363	27104	33707	39283	33934	38185
Estimated efficiency (% of production to input)	28	32	36	35	34	32

Statistics on electricity
Egypt

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	128129	134566	142690	150486	161162	164628
Combustible fuels	111788	118953	128694	135736	146224	150010
Hydro	15510	14682	12863	13046	12934	13121
Nuclear	..	..	..	..	..	..
Other	831	931	1133	1704	2004	1497
Main activity	125129	131040	139000	146796	157406	159223
Combustible fuels	108788	115427	125004	132046	142468	144605
Hydro	15510	14682	12863	13046	12934	13121
Nuclear	..	..	..	..	..	..
Other	831	931	1133	1704	2004	1497
Own use in electricity, CHP and heat plants	4221	4493	4545	4944	5226	5405
Net production	123908	130073	138145	145542	155936	159223
Imports	251	126	183	152	102	77
Exports	814	1022	1118	1595	1679	474
Losses	13750	13930	15552	14918	16342	18305
Consumption	107226	112617	120180	126934	135838	140257
Energy industries own use	..	..	..	..	..	..
By industry and construction	37045	37273	38916	40702	42098	39887
By transport	..	..	..	..	..	506
By households and other cons.	70181	75344	81264	86232	93740	99864
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	23266	24185	25409	27732	30054	31486
Combustible fuels	20119	20960	22119	24245	26270	27999
Hydro	2842	2800	2800	2800	3035	2800
Nuclear	..	..	..	..	..	..
Other	305	425	490	687	749	687
Main activity	22583	23502	24726	27049	29371	30803
Combustible fuels	19436	20277	21436	23562	25587	27316
Hydro	2842	2800	2800	2800	3035	2800
Nuclear	..	..	..	..	..	..
Other	305	425	490	687	749	687
Combustible fuel input	Terajoules					
Gas-diesel oil	4472	5246	7525	3698	2580	4257
Fuel oil	164064	210686	226240	210242	184507	265913
Natural gas	835012	874494	931722	910127	1061998	1068359
Total input	1003548	1090426	1165487	1124067	1249085	1338529
Total production	402437	428231	463298	488650	526406	540036
Estimated efficiency (% of production to input)	40	39	40	43	42	40

Statistics on electricity

El Salvador

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	5812	5968	5793	5985	5837	5972
Combustible fuels	2691	2411	2764	2376	2292	2610
Hydro	1739	2038	1505	2084	2011	1842
Nuclear	..	..	..	..	..	..
Other	1382	1519	1524	1525	1534	1520
Main activity	5272	5393	5153	5369	5211	5323
Combustible fuels	2151	1836	2124	1760	1666	1961
Hydro	1739	2038	1505	2084	2011	1842
Nuclear	..	..	..	..	..	..
Other	1382	1519	1524	1525	1534	1520
Own use in electricity, CHP and heat plants	315	201	275	271	264	271
Net production	5497	5767	5518	5714	5573	5701
Imports	38	83	208	174	251	163
Exports	7	89	79	89	118	78
Losses	456	715	711	769	715	741
Consumption	5067	4996	4933	5024	5169	4765
Energy industries own use	..	..	..	..	..	..
By industry and construction	2164	2229	2204	2231	2287	2340
By transport	..	..	..	..	..	..
By households and other cons.	2903	2767	2729	2793	2882	2425
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	1372	1422	1471	1461	1477	1477
Combustible fuels	695	746	795	785	801	801
Hydro	472	472	472	472	472	472
Nuclear	..	..	..	..	..	..
Other	204	204	204	204	204	204
Main activity	1215	1222	1271	1284	1284	1284
Combustible fuels	559	566	615	608	608	608
Hydro	452	452	452	472	472	472
Nuclear	..	..	..	..	..	..
Other	204	204	204	204	204	204
Combustible fuel input	Terajoules					
Gas-diesel oil	387	258	129	86	86	129
Fuel oil	23634	20887	20644	17210	18463	15352
Bagasse	3457	3387	5807	5878	5344	6703
Total input	27478	24532	26580	23174	23892	22184
Total production	9688	8680	9950	8554	8251	9396
Estimated efficiency (% of production to input)	35	35	37	37	35	42

Statistics on electricity

Equatorial Guinea

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*100	*100	*100	*100	*97	*97
Combustible fuels	*93	*93	*93	*93	*90	*90
Hydro	*7	*7	*7	*7	*7	*7
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*100	*100	*100	*100	*97	*97
Combustible fuels	*93	*93	*93	*93	*90	*90
Hydro	*7	*7	*7	*7	*7	*7
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	*100	*100	*100	*100	*97	*97
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	..	..	..	..	..	..
Consumption	*96	*95	*95	*95	*97	*97
Energy industries own use	*16	*16	*16	*16	*14	*14
By industry and construction	*18	*18	*18	*18	*19	*19
By transport	..	..	..	..	..	..
By households and other cons.	*62	*61	*61	*61	*64	*64
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*41	*41	*41	*41	*41	*41
Combustible fuels	*37	*37	*37	*37	*37	*37
Hydro	*4	*4	*4	*4	*4	*4
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*41	*41	*41	*41	*41	*41
Combustible fuels	*37	*37	*37	*37	*37	*37
Hydro	*4	*4	*4	*4	*4	*4
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	*387	*387	*387	*387	*387	*387
Natural gas	*1200	*1200	*1200	*1200	*1366	*1366
Total input	*1587	*1587	*1587	*1587	*1753	*1753
Total production	*335	*335	*335	*335	*324	*324
Estimated efficiency (% of production to input)	21	21	21	21	18	18

Statistics on electricity

Eritrea

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	288	287	295	311	337	359
Combustible fuels	286	285	293	309	335	357
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	2	2	2	2	2
Main activity	278	277	285	300	326	348
Combustible fuels	276	275	283	298	324	346
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	2	2	2	2	2
Own use in electricity, CHP and heat plants	15	16	17	15	16	17
Net production	273	271	278	296	321	342
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	43	45	35	39	48	54
Consumption	230	227	242	256	273	288
Energy industries own use	..	..	..	..	..	..
By industry and construction	66	58	65	64	70	75
By transport	..	..	..	..	..	..
By households and other cons.	164	169	177	192	203	213
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*167	*140	*140	*140	*140	*140
Combustible fuels	*166	*139	*139	*139	*139	*139
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*1	*1	*1	*1	*1	*1
Main activity	*161	*134	*134	*134	*134	*134
Combustible fuels	*160	*133	*133	*133	*133	*133
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*1	*1	*1	*1	*1	*1
Combustible fuel input	Terajoules					
Gas-diesel oil	1462	1032	1118	1247	1333	1419
Fuel oil	2141	2020	2141	2262	2464	2626
Total input	3603	3052	3259	3509	3797	4045
Total production	1030	1026	1055	1112	1206	1285
Estimated efficiency (% of production to input)	29	34	32	32	32	32

Statistics on electricity

Estonia

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	12190	10581	8779	12964	12893	11967
Combustible fuels	12078	10420	8552	12660	12495	11491
Hydro	21	28	32	27	30	42
Nuclear	..	..	..	..	..	..
Other	91	133	195	277	368	434
Main activity	12055	10468	8683	12857	12788	11869
Combustible fuels	11946	10308	8457	12554	12390	11394
Hydro	19	28	32	27	30	42
Nuclear	..	..	..	..	..	..
Other	90	132	194	276	368	433
Own use in electricity, CHP and heat plants	1236	1083	895	1232	1226	1440
Net production	10954	9498	7884	11732	11667	10527
Imports	345	1369	3025	1100	1690	2710
Exports	2765	2310	2943	4354	5252	4950
Losses	1354	1130	886	1047	949	879
Consumption	7180	7427	7080	7431	7156	7408
Energy industries own use	385	423	430	523	529	430
By industry and construction	2392	2335	1941	2095	2046	2187
By transport	77	80	90	89	80	79
By households and other cons.	4326	4589	4619	4724	4501	4712
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	2627	2694	2665	2751	2825	2923
Combustible fuels	2572	2612	2554	2637	2640	2649
Hydro	5	5	7	6	5	8
Nuclear	..	..	..	..	..	..
Other	50	77	104	108	180	266
Main activity	2598	2665	2647	2729	2806	2904
Combustible fuels	2544	2584	2537	2616	2621	2630
Hydro	5	5	7	6	5	8
Nuclear	..	..	..	..	..	..
Other	49	76	103	107	180	266
Combustible fuel input	Terajoules					
Hard Coal	0	0	0	0	0	0
Peat	156	117	859	1308	1005	1200
Biogas	127	82	65	111	93	92
Oil shale	119847	107290	87523	120399	124378	111401
Gas-diesel oil	0	0	43	0	0	0
Fuel oil	444	485	444	485	364	687
Natural gas	4387	4797	4034	3771	3026	1411
Gasworks gas	4618	3756	5181	5943	5415	4866
Fuelwood	*209	*162	*3368	*7338	*7404	*9978
Total input	129789	116688	101517	139355	141684	129636
Total production	43481	37512	30787	45576	44982	41368
Estimated efficiency (% of production to input)	34	32	30	33	32	32

Statistics on electricity
Ethiopia

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	3547	3777	3992	4980	6307	6700
Combustible fuels	162	467	444	31	37	40
Hydro	3385	3296	3524	4931	6262	6615
Nuclear	..	..	..	..	..	..
Other	0	14	24	18	8	45
Main activity	3547	3777	3992	4980	6307	6700
Combustible fuels	162	467	444	31	37	40
Hydro	3385	3296	3524	4931	6262	6615
Nuclear	..	..	..	..	..	..
Other	0	14	24	18	8	45
Own use in electricity, CHP and heat plants	419	273	340	645	659	651
Net production	3128	3504	3652	4335	5648	6049
Imports	..	..	..	..	..	..
Exports	..	..	..	..	332	400
Losses	355	378	399	498	946	1005
Consumption	2773	3126	3253	3837	4370	4644
Energy industries own use	..	..	..	..	..	..
By industry and construction	973	1188	1223	1395	1590	1729
By transport	..	..	..	..	..	..
By households and other cons.	1800	1938	2030	2442	2780	2915
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	829	878	2044	*2044	*2044	*2059
Combustible fuels	*154	*203	*188	*188	*188	*188
Hydro	668	669	1849	*1849	*1849	*1849
Nuclear	..	..	..	..	..	..
Other	*7	*7	*7	*7	*7	*22
Main activity	829	878	2044	*2044	*2044	*2059
Combustible fuels	*154	*203	*188	*188	*188	*188
Hydro	668	669	1849	*1849	*1849	*1849
Nuclear	..	..	..	..	..	..
Other	*7	*7	*7	*7	*7	*22
Combustible fuel input	Terajoules					
Gas-diesel oil	2107	6063	6579	473	559	602
Total input	2107	6063	6579	473	559	602
Total production	583	1681	1598	112	133	144
Estimated efficiency (% of production to input)	28	28	24	24	24	24

Statistics on electricity

Faeroe Islands

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	269	276	276	280	274	292
Combustible fuels	149	167	168	199	167	181
Hydro	104	96	92	67	93	100
Nuclear	..	..	..	..	..	..
Other	16	13	15	14	15	11
Main activity	269	276	276	280	274	292
Combustible fuels	149	167	168	199	167	181
Hydro	104	96	92	67	93	100
Nuclear	..	..	..	..	..	..
Other	16	13	15	14	15	11
Own use in electricity, CHP and heat plants	6	6	0	0	0	0
Net production	264	270	276	280	274	292
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*7	*11	*7	*25	*19	*30
Consumption	257	259	269	255	255	261
Energy industries own use	..	..	..	..	..	..
By industry and construction	59	59	57	49	45	52
By transport	..	..	..	..	..	..
By households and other cons.	198	200	212	206	210	209
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	100	100	100	100	100	100
Combustible fuels	65	65	65	65	65	65
Hydro	32	32	32	32	32	32
Nuclear	..	..	..	..	..	..
Other	*3	*3	*3	*3	*3	*3
Main activity	100	100	100	100	100	100
Combustible fuels	65	65	65	65	65	65
Hydro	32	32	32	32	32	32
Nuclear	..	..	..	..	..	..
Other	*3	*3	*3	*3	*3	*3
Combustible fuel input	Terajoules					
Gas-diesel oil	257	151	128	69	43	28
Fuel oil	1173	1361	1394	1634	1477	1485
Total input	1429	1512	1522	1703	1520	1512
Total production	537	601	605	718	601	652
Estimated efficiency (% of production to input)	38	40	40	42	40	43

Statistics on electricity

Falkland Is. (Malvinas)

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*17	*18	*18	*18	*18	*18
Combustible fuels	*17	*17	*17	*12	*12	*12
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	*6	*6	*6
Main activity	*15	*16	*16	*16	*16	*16
Combustible fuels	*15	*15	*15	*10	*10	*10
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	*6	*6	*6
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	*17	*18	*18	*18	*18	*18
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	..	..	..	..	..	..
Consumption	*17	*18	*18	*18	*18	*18
Energy industries own use	..	..	..	..	..	..
By industry and construction	*7	*7	*7	*7	*7	*7
By transport	..	..	..	..	..	..
By households and other cons.	*10	*10	*10	*10	*10	*10
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*9	*9	*9	*12	*12	*12
Combustible fuels	*9	*9	*9	*9	*9	*9
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	*3	*3	*3
Main activity	*7	*7	*7	*10	*10	*10
Combustible fuels	*7	*7	*7	*7	*7	*7
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	*3	*3	*3
Combustible fuel input	Terajoules					
Gas-diesel oil	*172	*172	*172	*112	*112	*112
Total input	*172	*172	*172	*112	*112	*112
Total production	*61	*62	*62	*43	*43	*43
Estimated efficiency (% of production to input)	36	36	36	38	38	39

Statistics on electricity

Fiji

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	836	799	809	869	835	837
Combustible fuels	324	299	342	449	374	305
Hydro	508	495	460	414	456	525
Nuclear	..	..	..	..	..	..
Other	3	5	7	6	5	7
Main activity	768	769	777	835	801	803
Combustible fuels	256	270	310	415	340	271
Hydro	508	495	460	414	456	525
Nuclear	..	..	..	..	..	..
Other	3	5	7	6	5	7
Own use in electricity, CHP and heat plants	11	14	16	16	*15	*15
Net production	825	785	793	853	820	822
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*75	*75	*75	*75	*75	*75
Consumption	776	776	775	844	*844	*844
Energy industries own use	..	..	..	..	..	..
By industry and construction	528	529	527	583	*583	*583
By transport	..	..	..	..	..	..
By households and other cons.	248	247	248	261	*261	*261
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*214	*215	*215	*215	*215	*255
Combustible fuels	*94	*94	*94	*94	*94	*94
Hydro	*110	*111	*111	*111	*111	*151
Nuclear	..	..	..	..	..	..
Other	*10	*10	*10	*10	*10	*10
Main activity	*170	*171	*171	*171	*171	*211
Combustible fuels	*50	*50	*50	*50	*50	*50
Hydro	*110	*111	*111	*111	*111	*151
Nuclear	..	..	..	..	..	..
Other	*10	*10	*10	*10	*10	*10
Combustible fuel input	Terajoules					
Gas-diesel oil	*3480	*3255	*3736	*4858	*3973	*3173
Total input	*3480	*3255	*3736	*4858	*3973	*3173
Total production	1167	1078	1230	1616	1345	1098
Estimated efficiency (% of production to input)	34	33	33	33	34	35

Statistics on electricity

Finland

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	81247	77435	72062	80668	73481	70399
Combustible fuels	43190	36653	35266	44329	37058	29725
Hydro	14177	17112	12686	12922	12445	16859
Nuclear	23423	22958	23526	22800	23187	22987
Other	457	712	584	617	791	828
Main activity	68876	65338	62092	69626	62877	60182
Combustible fuels	32157	26097	26388	34352	27598	20976
Hydro	13048	15809	11790	12062	11496	15615
Nuclear	23423	22958	23526	22800	23187	22987
Other	248	474	388	412	596	604
Own use in electricity, CHP and heat plants	3423	2956	2854	3464	3092	2713
Net production	77824	74479	69208	77204	70389	67686
Imports	15419	16107	15460	15719	17656	19089
Exports	2862	3335	3375	5218	3804	1645
Losses	3043	3334	2774	2766	2698	2913
Consumption	87282	83809	78424	84769	81377	82065
Energy industries own use	1214	1272	1338	1291	1301	1310
By industry and construction	46763	43202	36184	40360	39239	38228
By transport	724	734	716	740	730	737
By households and other cons.	38581	38601	40186	42378	40107	41790
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	16703	16668	16343	16693	16763	16908
Combustible fuels	10815	10726	10374	10634	10630	10695
Hydro	3102	3122	3145	3155	3196	3198
Nuclear	2671	2671	2671	2700	2730	2750
Other	115	149	153	204	207	265
Main activity	14258	14285	13932	14282	14356	14501
Combustible fuels	8565	8538	8158	8418	8418	8483
Hydro	2907	2927	2950	2960	3001	3003
Nuclear	2671	2671	2671	2700	2730	2750
Other	115	149	153	204	207	265
Combustible fuel input	Terajoules					
Hard Coal	138649	92390	112772	141539	100001	79103
Peat	78392	59741	53436	72409	62932	45892
Biogas	189	199	225	683	1047	893
Fuel oil	5737	6222	5373	4888	3636	3111
Natural gas	90293	95986	85887	97970	82347	63266
Blast furnace gas	8210	7963	4738	6102	5937	5093
Fuelwood	*93220	*103707	*97676	*116419	*122437	*130854
Municipal waste	5255	5577	6588	6680	6971	9365
Industrial waste	1184	658	806	697	812	935
Black liquor	*64067	71995	*61265	*89146	*85351	*84307
Others	2100	1830	1932	1144	1048	1886
Total input	487296	446268	430698	537678	472519	*424704
Total production	155484	131951	126958	159584	133409	107010
Estimated efficiency (% of production to input)	32	30	29	30	28	25

Statistics on electricity

France

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	569784	573908	535472	569166	560343	564275
Combustible fuels	61903	59886	55235	62407	53488	55273
Hydro	63608	68372	61966	67200	49865	63595
Nuclear	439730	439447	409736	428521	442383	425406
Other	4543	6203	8535	11038	14607	20001
Main activity	546654	553186	521968	555840	545314	543438
Combustible fuels	39885	40435	42924	50475	41339	39495
Hydro	62696	67422	61159	66386	49170	62757
Nuclear	439730	439447	409736	428521	442383	425406
Other	4343	5882	8149	10458	12422	15780
Own use in electricity, CHP and heat plants	25425	25306	23701	24721	24946	24457
Net production	544359	548602	511771	544445	535397	539818
Imports	10782	10748	18517	19475	9501	12213
Exports	67595	58736	44451	50188	65914	56734
Losses	31613	33481	34878	35414	32412	37702
Consumption	456140	467358	454430	478359	449894	460938
Energy industries own use	30125	34622	36475	34270	32328	26845
By industry and construction	132599	128644	111722	117444	117891	114319
By transport	12448	12966	12518	12533	12398	12407
By households and other cons.	280968	291126	293715	314112	287277	307367
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	116546	117746	119023	124550	127263	129243
Combustible fuels	25672	25648	25624	28824	27792	27764
Hydro	25128	25096	25184	25332	25347	25367
Nuclear	63260	63260	63130	63130	63130	63130
Other	2486	3742	5085	7264	10994	12982
Main activity	109775	110863	113517	118291	119974	121327
Combustible fuels	19280	19256	20606	23179	23654	23491
Hydro	24866	24809	24928	25077	25000	25000
Nuclear	63260	63260	63130	63130	63130	63130
Other	2369	3538	4853	6905	8190	9706
Combustible fuel input	Terajoules					
Hard Coal	240069	214914	209135	195977	135863	183696
Biogas	6547	6909	8602	10139	11314	12774
Fuel oil	49975	51146	55025	55146	20321	22301
Refinery gas	16632	12623	10742	18612	4653	4307
Other oil products	20824	17326	16241	12221	9648	10130
Natural gas	261782	261285	265241	349935	366062	260237
Coke-oven gas	9473	10230	6542	6188	5247	5807
Blast furnace gas	32133	25657	17363	21893	19676	22452
Municipal waste	55434	57582	55770	60638	74836	80682
Black liquor	*20899	*21581	*19481	*19975	*17628	*13586
Others	7930	6745	7690	7389	3830	4912
Total input	721697	685998	671831	758112	669078	620884
Total production	222851	215590	198846	224665	192557	198983
Estimated efficiency (% of production to input)	31	31	30	30	29	32

Statistics on electricity
French Guiana

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*744	*773	*794	*823	*836	853
Combustible fuels	*253	*248	*445	*379	*377	273
Hydro	*491	*525	*349	*444	*459	529
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	51
Main activity	*744	*773	*794	*823	*836	853
Combustible fuels	*253	*248	*445	*379	*377	273
Hydro	*491	*525	*349	*444	*459	529
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	51
Own use in electricity, CHP and heat plants	*12	*12	*13	*14	*15	15
Net production	*732	*761	*781	*809	*821	838
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*77	*80	*82	*84	*85	*85
Consumption	*655	*681	*699	*725	*736	753
Energy industries own use	..	..	..	..	..	..
By industry and construction	*301	*313	*321	*330	*331	*337
By transport	..	..	..	..	..	..
By households and other cons.	*354	*368	*378	*395	*405	416
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	241	241	243	243	247	281
Combustible fuels	127	127	129	129	129	129
Hydro	114	114	114	114	118	118
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	34
Main activity	241	241	243	243	247	281
Combustible fuels	127	127	129	129	129	129
Hydro	114	114	114	114	118	118
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	34
Combustible fuel input	Terajoules					
Gas-diesel oil	*1075	*1054	*1892	*1591	*1591	*1376
Fuel oil	*1333	*1333	*2262	*1919	*1899	*1212
Total input	*2408	*2387	*4154	*3510	*3490	*2588
Total production	*911	*893	*1602	*1364	*1357	983
Estimated efficiency (% of production to input)	38	37	39	39	39	38

Statistics on electricity
French Polynesia

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*687	*720	*736	*818	*761	*766
Combustible fuels	*464	*505	*521	*538	*533	*553
Hydro	223	211	210	276	*225	*209
Nuclear	..	..	..	..	..	..
Other	..	4	4	*4	*4	*4
Main activity	*687	*720	*736	*818	*761	*766
Combustible fuels	*464	*505	*521	*538	*533	*553
Hydro	223	211	210	276	*225	*209
Nuclear	..	..	..	..	..	..
Other	..	4	4	*4	*4	*4
Own use in electricity, CHP and heat plants	24	29	29	33	*30	*30
Net production	*663	*691	*706	*785	*731	*735
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*41	*43	*44	*49	*45	*46
Consumption	622	*649	*670	*694	*685	*689
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	622	*649	*670	*694	*685	*689
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	227	227	228	*228	*228	*228
Combustible fuels	177	177	177	*177	*177	*177
Hydro	47	47	47	*47	*47	*47
Nuclear	..	..	..	..	..	..
Other	2	3	3	*3	*3	*3
Main activity	227	227	228	*228	*228	*228
Combustible fuels	177	177	177	*177	*177	*177
Hydro	47	47	47	*47	*47	*47
Nuclear	..	..	..	..	..	..
Other	2	3	3	*3	*3	*3
Combustible fuel input	Terajoules					
Gas-diesel oil	*3572	*3354	*3223	*3239	*3008	*2869
Fuel oil	*1323	*1392	*1398	*1405	*1405	*1405
Total input	*4895	*4746	*4621	*4644	*4413	*4274
Total production	*1671	*1819	*1877	*1936	*1918	*1989
Estimated efficiency (% of production to input)	34	38	41	42	43	47

Statistics on electricity
Gabon

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	1745	1844	1865	1979	2070	2197
Combustible fuels	944	950	921	1072	1230	1289
Hydro	801	894	944	907	840	908
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	1525	1639	1652	1752	1838	1966
Combustible fuels	724	745	708	845	998	1058
Hydro	801	894	944	907	840	908
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	97	92	70	70	67	75
Net production	1648	1752	1795	1909	2003	2122
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	307	333	362	387	410	431
Consumption	1341	1419	1433	1522	1593	1691
Energy industries own use	29	31	31	33	35	37
By industry and construction	355	376	379	404	423	449
By transport	5	6	6	6	6	7
By households and other cons.	952	1006	1017	1079	1129	1198
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*415	*366	443	443	443	463
Combustible fuels	*245	*196	273	273	273	293
Hydro	*170	170	170	170	170	170
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*318	318	373	373	373	393
Combustible fuels	*148	*148	203	203	203	223
Hydro	*170	170	170	170	170	170
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	4988	3268	2408	2494	2967	3784
Fuel oil	1091	1091	768	404	121	0
Natural gas	5671	6356	8635	11787	13431	13515
Fuelwood	*259	*265	*271	*278	*285	*292
Total input	12009	10980	12082	14963	16804	17591
Total production	3398	3420	3316	3859	4428	4640
Estimated efficiency (% of production to input)	28	31	27	26	26	26

Statistics on electricity

Gambia

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	229	242	242	*245	*256	*266
Combustible fuels	229	242	242	*245	*256	*266
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	201	214	214	*217	*226	*236
Combustible fuels	201	214	214	*217	*226	*236
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	6	6	6	*6	*6	*7
Net production	223	236	236	*239	*249	*260
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	17	17	17	*17	*18	*19
Consumption	206	219	233	*236	*246	*256
Energy industries own use	..	..	..	..	..	..
By industry and construction	*32	*34	32	*32	*34	*35
By transport	..	..	..	..	..	..
By households and other cons.	174	185	201	*204	*212	*221
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	53	53	62	*74	*74	*74
Combustible fuels	53	53	62	*74	*74	*74
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	28	28	28	*40	*40	*40
Combustible fuels	28	28	28	*40	*40	*40
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	1806	1892	1634	*1892	*1978	*2021
Total input	1806	1892	1634	*1892	*1978	*2021
Total production	824	871	871	*883	*921	*959
Estimated efficiency (% of production to input)	46	46	53	47	47	47

Statistics on electricity

Georgia

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	8570	8440	8165	9992	10747	10137
Combustible fuels	1754	1244	1010	644	2589	2576
Hydro	6816	7196	7155	9348	8158	7561
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	8570	8440	8165	9992	10747	10137
Combustible fuels	1754	1244	1010	644	2589	2576
Hydro	6816	7196	7155	9348	8158	7561
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	87	107	363	78	88	226
Net production	8483	8333	7802	9914	10659	9911
Imports	433	649	255	222	471	615
Exports	625	680	749	1524	931	510
Losses	1070	1095	1081	1103	1142	1094
Consumption	6869	7028	6563	7664	8511	8452
Energy industries own use	1035	1059	705	376	423	284
By industry and construction	697	711	1312	2137	2963	2876
By transport	338	346	348	546	373	405
By households and other cons.	4799	4912	4198	4605	4752	4887
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	4323	4538	*4538	*4538	*4350	*4350
Combustible fuels	1688	1688	*1688	*1688	*1688	*1688
Hydro	2635	2850	*2850	*2850	*2662	*2662
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	4323	4538	*4538	*4538	*4350	*4350
Combustible fuels	1688	1688	*1688	*1688	*1688	*1688
Hydro	2635	2850	*2850	*2850	*2662	*2662
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	860	860	2838	2322	516	0
Natural gas	27089	14486	19092	12869	19858	22588
Total input	27949	15346	21930	15191	20374	22588
Total production	6314	4478	3636	2318	9320	9274
Estimated efficiency (% of production to input)	23	29	17	15	46	41

Statistics on electricity

Germany

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	640578	640406	595617	632983	613068	629812
Combustible fuels	426786	418220	388640	413207	410773	423424
Hydro	28084	26469	24682	27353	23511	27849
Nuclear	140534	148495	134932	140556	107971	99460
Other	45174	47222	47363	51867	70813	79079
Main activity	587344	591008	549657	580009	562454	585718
Combustible fuels	375721	370751	344545	362335	362124	381003
Hydro	27711	26127	24317	26975	23184	27499
Nuclear	140534	148495	134932	140556	107971	99460
Other	43378	45635	45863	50143	69175	77756
Own use in electricity, CHP and heat plants	40066	39437	37068	38151	36152	37072
Net production	600512	600969	558549	594832	576916	592740
Imports	45953	41670	41859	42962	51003	46268
Exports	62508	61770	54132	57917	54768	66810
Losses	29312	30118	25003	23974	24799	24562
Consumption	554645	550751	521272	555903	548352	547637
Energy industries own use	25289	23177	24013	23479	22806	21803
By industry and construction	239307	234966	202021	224530	229805	226239
By transport	12275	11137	11633	12119	12151	12084
By households and other cons.	277774	281471	283605	295775	283590	287511
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	136336	143456	151678	162698	175896	177291
Combustible fuels	78535	81788	83245	85823	89421	89649
Hydro	10833	10805	11238	11218	11436	11257
Nuclear	20208	20486	20480	20467	20467	12068
Other	26760	30377	36715	45190	54572	64317
Main activity	127741	133554	141808	152795	166141	170272
Combustible fuels	70327	72299	73791	76351	80050	82912
Hydro	10754	10726	11158	11144	11367	11185
Nuclear	20208	20486	20480	20467	20467	12068
Other	26452	30043	36379	44833	54257	64107
Combustible fuel input	Terajoules					
Hard Coal	1331899	1162264	1022299	1093249	1031020	1096474
Brown Coal	2342970	2264458	2215192	2168880	2241736	2373070
Lignite briquettes	23122	21839	16394	15753	17947	19893
Biogas	79948	94890	104518	122294	148398	190358
Other oil products	39235	42290	43054	35255	25406	29386
Natural gas	768730	847148	780425	822592	771794	692263
Blast furnace gas	84438	74305	42027	72766	68853	67615
Fuelwood	*97104	*102346	*102379	*112509	*125705	*135851
Municipal waste	145772	153724	141740	152444	148154	156878
Industrial waste	..	3046	20596	25697	25193	25478
Others	81563	75221	79857	71184	56029	64350
Total input	4994782	4841531	4568482	4692624	4660235	4851616
Total production	1536430	1505592	1399104	1487545	1478783	1524326
Estimated efficiency (% of production to input)	31	31	31	32	32	31

Statistics on electricity
Ghana

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	6984	8366	8964	10167	11366	12204
Combustible fuels	3257	2170	2087	3171	3805	4133
Hydro	3727	6196	6877	6996	7561	8071
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	6978	8360	8958	10029	11200	12024
Combustible fuels	3251	2164	2081	3033	3639	3953
Hydro	3727	6196	6877	6996	7561	8071
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	351	60	25	5	191	45
Net production	6633	8306	8939	10162	11175	12159
Imports	435	275	198	106	81	128
Exports	246	538	752	1036	691	667
Losses	1553	1844	2088	2361	1378	1465
Consumption	5584	6159	6224	6860	9186	9258
Energy industries own use	..	..	..	..	..	..
By industry and construction	2687	2963	2920	3156	3280	3277
By transport	..	..	..	..	..	..
By households and other cons.	2897	3196	3304	3704	5906	5981
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*1935	*1981	*1970	2180	2380	2490
Combustible fuels	*755	*801	*790	1000	1200	1310
Hydro	*1180	*1180	*1180	1180	1180	1180
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*1710	*1746	*1740	1970	2170	2280
Combustible fuels	*530	*566	*560	790	990	1100
Hydro	*1180	*1180	*1180	1180	1180	1180
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Crude oil	34305	24492	22901	29631	11929	31941
Gas-diesel oil	..	..	..	..	284	606
Natural gas	..	..	..	10377	23404	12854
Total input	34305	24492	22901	40008	35617	45401
Total production	11725	7812	7513	11416	13698	14879
Estimated efficiency (% of production to input)	34	32	33	29	38	33

Statistics on electricity

Gibraltar

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	155	166	174	177	171	176
Combustible fuels	155	166	174	177	171	176
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	155	166	174	177	171	176
Combustible fuels	155	166	174	177	171	176
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	8	8	8	9	7	20
Net production	147	158	166	168	164	156
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	5	5	5	5	5	5
Consumption	142	153	161	163	159	151
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	142	153	161	163	159	151
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*38	*43	*43	*43	*43	*43
Combustible fuels	*38	*43	*43	*43	*43	*43
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*38	*43	*43	*43	*43	*43
Combustible fuels	*38	*43	*43	*43	*43	*43
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Fuel oil	1535	1656	1737	1737	1737	1737
Total input	1535	1656	1737	1737	1737	1737
Total production	558	598	626	637	616	634
Estimated efficiency (% of production to input)	36	36	36	37	35	36

Statistics on electricity

Greece

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	63496	63749	61365	57392	59436	60959
Combustible fuels	58301	57353	53127	47035	51236	50824
Hydro	3376	4149	5645	7485	4275	4591
Nuclear	..	..	..	..	..	..
Other	1819	2247	2593	2872	3925	5544
Main activity	62598	62438	59407	54900	56883	58608
Combustible fuels	57403	56042	51169	44543	48683	48473
Hydro	3376	4149	5645	7485	4275	4591
Nuclear	..	..	..	..	..	..
Other	1819	2247	2593	2872	3925	5544
Own use in electricity, CHP and heat plants	4408	4342	5292	4003	5523	7305
Net production	59088	59407	56073	53389	53913	53654
Imports	6412	7575	7600	8517	7180	5954
Exports	2057	1962	3233	2811	3948	4169
Losses	4860	5053	3223	3783	2820	1611
Consumption	58585	59967	57217	55312	54325	53828
Energy industries own use	3395	3321	2504	2192	2531	1811
By industry and construction	15328	15485	14067	14142	14640	11573
By transport	251	239	232	183	184	189
By households and other cons.	39611	40922	40414	38795	36970	40255
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	13686	14253	14627	15312	16524	22307
Combustible fuels	9681	10043	10209	10597	11048	15782
Hydro	3150	3176	3201	3215	3224	3236
Nuclear	..	..	..	..	..	..
Other	855	1034	1217	1500	2252	3289
Main activity	13510	13727	14085	14790	15984	21785
Combustible fuels	9505	9517	9667	10075	10508	15260
Hydro	3150	3176	3201	3215	3224	3236
Nuclear	..	..	..	..	..	..
Other	855	1034	1217	1500	2252	3289
Combustible fuel input	Terajoules					
Hard Coal	0	0	516	4076	877	52
Brown Coal	922152	899178	912310	807184	838152	866698
Biogas	1371	1382	2288	1981	2366	3072
Gas-diesel oil	22102	18275	14534	13932	12943	11438
Fuel oil	63872	72518	54459	38986	37128	37774
Liquefied petroleum gas	6433	0	0	142	1750	1419
Refinery gas	1832	9306	9207	9603	9356	10692
Natural gas	114104	116078	84511	95857	111198	103109
Industrial waste	233	168	169	1341	1175	625
Total input	1132099	1116905	1077994	973102	1014944	1034879
Total production	209884	206471	191257	169326	184450	182966
Estimated efficiency (% of production to input)	19	18	18	17	18	18

Statistics on electricity
Greenland

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	389	388	406	401	*412	*405
Combustible fuels	185	186	152	120	*96	*93
Hydro	204	202	254	281	*316	*312
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	323	332	340	336	*356	*350
Combustible fuels	119	130	86	55	*40	*38
Hydro	204	202	254	281	*316	*312
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	12	12	13	13	*14	*13
Net production	377	376	394	388	*398	*392
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	34	*34	35	*36	*36	*35
Consumption	288	301	306	300	320	314
Energy industries own use	..	..	..	..	..	..
By industry and construction	64	65	64	64	63	58
By transport	..	..	..	..	..	..
By households and other cons.	224	236	242	236	258	257
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*144	*144	*174	*174	*174	*172
Combustible fuels	*106	*106	*106	*106	*106	*96
Hydro	38	38	68	68	*68	76
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*128	*128	*158	*158	*158	*156
Combustible fuels	*90	*90	*90	*90	*90	*80
Hydro	38	38	68	68	*68	76
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	1754	1869	1615	1365	1332	1384
Municipal waste	88	87	80	90	91	103
Total input	1841	1956	1695	1455	1422	1487
Total production	666	670	547	432	*346	*335
Estimated efficiency (% of production to input)	36	34	32	30	24	23

Statistics on electricity

Grenada

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	176	189	203	209	204	200
Combustible fuels	176	189	203	209	204	200
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	176	189	203	209	204	200
Combustible fuels	176	189	203	209	204	200
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	3	7	4	7	7	7
Net production	172	182	199	201	197	193
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	7	9	22	17	16	15
Consumption	165	172	177	185	181	179
Energy industries own use	..	..	..	..	..	..
By industry and construction	7	6	6	6	6	6
By transport	..	..	..	..	..	..
By households and other cons.	159	167	172	179	175	173
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	32	32	33	49	50	49
Combustible fuels	32	32	33	49	50	49
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	32	32	33	49	50	49
Combustible fuels	32	32	33	49	50	49
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	1393	1793	1757	1861	1811	2099
Total input	1393	1793	1757	1861	1811	2099
Total production	632	680	731	751	734	719
Estimated efficiency (% of production to input)	45	38	42	40	41	34

Statistics on electricity
Guadeloupe

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*1691	*1694	*1709	*1809	*1767	*1805
Combustible fuels	*1574	*1577	*1554	*1634	*1555	*1589
Hydro	*14	*14	*14	*14	*14	*14
Nuclear	..	..	..	..	..	..
Other	*103	*103	*141	*161	*198	*202
Main activity	*1691	*1694	*1709	*1809	*1767	*1805
Combustible fuels	*1574	*1577	*1554	*1634	*1555	*1589
Hydro	*14	*14	*14	*14	*14	*14
Nuclear	..	..	..	..	..	..
Other	*103	*103	*141	*161	*198	*202
Own use in electricity, CHP and heat plants	*81	*81	*81	*79	*75	*79
Net production	*1610	*1613	*1628	*1730	*1692	*1726
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*80	*80	*80	*80	*80	*80
Consumption	*1530	*1533	*1548	*1650	*1612	*1646
Energy industries own use	..	..	..	..	..	..
By industry and construction	*191	*193	*194	*206	*201	*206
By transport	..	..	..	..	..	..
By households and other cons.	*1339	*1340	*1354	*1444	*1411	*1440
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	416	416	441	440	467	496
Combustible fuels	368	368	368	359	359	380
Hydro	10	10	10	8	8	9
Nuclear	..	..	..	..	..	..
Other	38	38	63	*73	*100	107
Main activity	416	416	441	440	467	496
Combustible fuels	368	368	368	359	359	380
Hydro	10	10	10	8	8	9
Nuclear	..	..	..	..	..	..
Other	38	38	63	*73	*100	107
Combustible fuel input	Terajoules					
Gas-diesel oil	*8901	*8901	*9030	*8944	*8944	*8944
Fuel oil	*6908	*7191	*7312	*7393	*7393	*7393
Total input	*15809	*16092	*16342	*16337	*16337	*16337
Total production	*5666	*5677	*5594	*5882	*5598	*5720
Estimated efficiency (% of production to input)	36	35	34	36	34	35

Statistics on electricity

Guam

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	1879	*1878	1868	*1882	*1858	*1799
Combustible fuels	1879	*1878	1868	*1882	*1858	*1799
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	1879	*1878	1868	*1882	*1858	*1799
Combustible fuels	1879	*1878	1868	*1882	*1858	*1799
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	106	*105	105	*113	*112	*109
Net production	1774	*1773	1763	*1769	*1746	*1690
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	139	*138	*138	*132	*128	*127
Consumption	1635	1635	1625	1638	1618	1564
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	1635	1635	1625	1638	1618	1564
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	553	553	552	552	552	552
Combustible fuels	553	553	552	552	552	552
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	553	553	552	552	552	552
Combustible fuels	553	553	552	552	552	552
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Total input	..	..	..	..	..	..
Total production	6766	*6762	6724	*6777	*6689	*6476
Estimated efficiency (% of production to input)	..	..	..	..	..	..

Statistics on electricity
Guatemala

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	8756	8718	9047	8893	9181	9412
Combustible fuels	5462	4749	5718	4773	4759	4708
Hydro	3031	3675	2942	3849	4176	4458
Nuclear	..	..	..	..	..	..
Other	263	294	387	271	246	246
Main activity	8259	8214	8259	8265	8580	8700
Combustible fuels	4988	4268	4952	4167	4180	4019
Hydro	3008	3652	2920	3827	4154	4435
Nuclear	..	..	..	..	..	..
Other	263	294	387	271	246	246
Own use in electricity, CHP and heat plants	264	255	228	381	344	393
Net production	8492	8463	8819	8512	8837	9019
Imports	8	5	37	362	526	372
Exports	132	76	94	139	183	346
Losses	1186	1216	1291	1187	1508	1304
Consumption	7181	7175	7464	7549	7647	7741
Energy industries own use	..	..	..	..	..	..
By industry and construction	2924	2804	3014	3054	3122	3126
By transport	..	..	..	..	..	..
By households and other cons.	4257	4371	4450	4495	4525	4615
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	2445	2594	2382	2458	2576	*2576
Combustible fuels	1625	1773	1555	1556	1640	*1640
Hydro	776	777	778	853	*887	*887
Nuclear	..	..	..	..	..	..
Other	44	44	49	49	49	*49
Main activity	2134	2283	2007	2072	2122	*2122
Combustible fuels	1318	1466	1184	1174	1190	*1190
Hydro	772	773	774	849	*883	*883
Nuclear	..	..	..	..	..	..
Other	44	44	49	49	49	*49
Combustible fuel input	Terajoules					
Hard Coal	11558	11636	7585	12668	12694	12823
Gas-diesel oil	215	172	2193	43	344	86
Fuel oil	28159	24967	30058	17412	16524	15716
Bagasse	*29458	*25395	*50288	*46597	*72189	*75799
Total input	69390	62170	*90124	*76720	*101750	*104423
Total production	19663	17096	20585	17183	17132	16949
Estimated efficiency (% of production to input)	28	27	23	22	17	16

Statistics on electricity

Guernsey

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	158	111	174	152	85	68
Combustible fuels	158	111	174	152	85	68
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	158	111	174	152	85	68
Combustible fuels	158	111	174	152	85	68
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	158	111	174	152	85	68
Imports	197	257	210	239	309	313
Exports	..	..	..	..	..	..
Losses	22	27	*29	*29	*18	*18
Consumption	333	341	355	362	375	*363
Energy industries own use	..	..	..	..	..	..
By industry and construction	33	37	43	48	53	*50
By transport	..	..	..	..	..	..
By households and other cons.	300	304	312	315	322	*313
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	116	116	115	115	115	*115
Combustible fuels	116	116	115	115	115	*115
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	116	116	115	115	115	*115
Combustible fuels	116	116	115	115	115	*115
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	12	7	14	13	14	*49
Fuel oil	1281	921	1443	1255	692	*2422
Total input	1294	928	1457	1267	706	*2471
Total production	570	399	625	548	305	245
Estimated efficiency (% of production to input)	44	43	43	43	43	10

Statistics on electricity
Guinea

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	973	1000	996	952	*878	*878
Combustible fuels	*435	*472	*474	*465	*464	*464
Hydro	538	529	522	487	414	*414
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	633	661	653	609	535	*535
Combustible fuels	*95	*132	*131	*122	*122	*122
Hydro	538	529	522	487	414	*414
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	174	182	180	167	154	*154
Net production	799	819	817	785	*724	*724
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*174	*182	*180	*167	*154	*154
Consumption	*625	*637	*637	*617	*570	*570
Energy industries own use	..	..	..	..	..	..
By industry and construction	*221	*223	*223	*216	*200	*200
By transport	..	..	..	..	..	..
By households and other cons.	*404	*414	*414	*401	*371	*371
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*379	*440	*431	*431	*436	*436
Combustible fuels	*216	*270	*282	*282	*288	*288
Hydro	*163	*170	149	149	149	*149
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*260	*260	251	251	256	*256
Combustible fuels	*111	*111	123	123	129	*129
Hydro	*149	*149	128	128	128	*128
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Fuel oil	*5090	*5144	*5193	*5216	*5216	*5131
Total input	*5090	*5144	*5193	*5216	*5216	*5131
Total production	*1566	*1698	*1706	*1674	*1670	*1670
Estimated efficiency (% of production to input)	31	33	33	32	32	33

Statistics on electricity
Guinea-Bissau

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*30	*30	*31	*32	*33	*34
Combustible fuels	*30	*30	*31	*32	*33	*34
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*23	*23	*24	*25	*26	*26
Combustible fuels	*23	*23	*24	*25	*26	*26
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	*30	*30	*31	*32	*33	*34
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	..	..	..	..	..	..
Consumption	*30	*30	*31	*32	*33	*34
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	*30	*30	*31	*32	*33	*34
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*23	27	27	*27	*27	*27
Combustible fuels	*23	27	27	*27	*27	*27
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*21	25	25	*25	*25	*25
Combustible fuels	*21	25	25	*25	*25	*25
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	*430	*412	*476	*502	*494	508
Total input	*430	*412	*476	*502	*494	508
Total production	*107	*107	*111	*115	*119	*123
Estimated efficiency (% of production to input)	25	26	23	23	24	24

Statistics on electricity

Guyana

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	699	709	723	868	910	942
Combustible fuels	699	709	723	868	910	942
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	551	564	586	568	605	658
Combustible fuels	551	564	586	568	605	658
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	24	24	25	126	130	128
Net production	675	685	699	742	780	815
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	180	209	216	252	263	242
Consumption	495	476	483	477	502	526
Energy industries own use	..	..	..	..	..	..
By industry and construction	53	51	51	147	153	158
By transport	..	..	..	..	..	..
By households and other cons.	443	426	431	330	348	368
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	308	264	342	348	349	362
Combustible fuels	308	264	342	348	349	362
Hydro	1	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	138	152	163	170	170	182
Combustible fuels	138	152	163	170	170	182
Hydro	1	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	3221	2464	2576	2907	3840	2911
Fuel oil	4278	4844	4723	7022	5979	6832
Bagasse	476	424	364	246	279	425
Total input	7976	7732	7662	10175	10098	10167
Total production	2516	2553	2603	3124	3277	3393
Estimated efficiency (% of production to input)	32	33	34	31	32	33

Statistics on electricity
Haiti

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	468	486	721	587	943	1150
Combustible fuels	314	305	514	410	823	990
Hydro	154	181	207	177	120	160
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	468	486	721	587	912	1102
Combustible fuels	314	305	514	410	792	942
Hydro	154	181	207	177	120	160
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	10	12	17	15	28	29
Net production	458	474	704	572	915	1121
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	226	257	369	343	627	637
Consumption	234	217	336	228	235	484
Energy industries own use	..	..	..	..	..	..
By industry and construction	77	71	110	75	83	191
By transport	..	..	..	..	..	..
By households and other cons.	157	146	226	153	152	293
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	244	244	240	267	267	267
Combustible fuels	181	181	178	207	207	207
Hydro	63	63	62	61	61	61
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	221	221	217	193	193	193
Combustible fuels	158	158	155	133	133	133
Hydro	63	63	62	61	61	61
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	2623	2623	*2709	2881	*4300	6880
Fuel oil	606	606	1010	808	*2020	2262
Total input	3229	3229	*3719	3689	*6320	9142
Total production	1130	1098	1850	1476	2963	3564
Estimated efficiency (% of production to input)	35	34	50	40	47	39

Statistics on electricity
Honduras

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	6335	6549	6625	6777	7183	7593
Combustible fuels	4121	4258	3828	3697	4251	4468
Hydro	2214	2291	2797	3080	2815	2787
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	117	338
Main activity	6281	6537	6613	6765	7170	7579
Combustible fuels	4067	4246	3816	3685	4238	4454
Hydro	2214	2291	2797	3080	2815	2787
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	117	338
Own use in electricity, CHP and heat plants	54	12	12	12	13	14
Net production	6281	6537	6613	6765	7170	7579
Imports	12	45	1	22	171	154
Exports	23	12	46	13	127	79
Losses	1366	1346	1491	1647	1939	2270
Consumption	4905	5168	5037	5100	5234	5308
Energy industries own use	..	..	..	..	..	..
By industry and construction	1285	1388	1237	1267	1376	1426
By transport	..	..	..	..	..	..
By households and other cons.	3620	3780	3800	3833	3858	3882
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	1599	1593	1606	1611	1721	1783
Combustible fuels	1079	1071	1084	1084	1088	1143
Hydro	520	522	522	527	531	538
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	102	102
Main activity	1524	1529	1530	1535	1613	1666
Combustible fuels	1006	1009	1010	1010	982	1028
Hydro	518	520	520	525	529	536
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	102	102
Combustible fuel input	Terajoules					
Hard Coal	..	..	0	0	1264	1290
Gas-diesel oil	1032	1333	989	1032	645	688
Fuel oil	33774	33815	28765	28320	32562	33976
Bagasse	*2420	*2837	*2419	*2304	*2563	*2823
Total input	37226	37985	32173	31656	37035	38777
Total production	14836	15329	13781	13309	15304	16085
Estimated efficiency (% of production to input)	40	40	43	42	41	41

Statistics on electricity

Hungary

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	39960	40025	35908	37371	35983	34590
Combustible fuels	24963	24788	19922	20887	19449	17806
Hydro	210	213	228	188	222	213
Nuclear	14677	14818	15426	15761	15685	15793
Other	110	206	332	535	627	778
Main activity	39628	39643	35555	36945	35323	34110
Combustible fuels	24631	24407	19570	20462	18790	17334
Hydro	210	213	228	188	222	213
Nuclear	14677	14818	15426	15761	15685	15793
Other	110	205	331	534	626	770
Own use in electricity, CHP and heat plants	2740	2642	2564	2758	2483	2280
Net production	37220	37383	33344	34613	33500	32310
Imports	14680	12774	10972	9897	14664	16970
Exports	10694	8871	5459	4702	8021	9003
Losses	3959	3888	3604	3801	3784	3684
Consumption	37247	37398	35253	36007	36358	34247
Energy industries own use	3503	3071	2103	1800	1818	1435
By industry and construction	9471	9905	8561	9784	9878	8910
By transport	1222	1194	1201	1106	1117	983
By households and other cons.	23051	23228	23388	23317	23545	22919
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	8542	8698	8867	8993	9654	9400
Combustible fuels	6607	6572	6670	6645	7264	7007
Hydro	49	51	53	53	55	56
Nuclear	1825	1940	1940	2000	2000	2000
Other	61	135	204	295	335	337
Main activity	8407	8578	8743	8843	9483	9287
Combustible fuels	6472	6453	6547	6497	7097	6906
Hydro	49	51	53	53	55	56
Nuclear	1825	1940	1940	2000	2000	2000
Other	61	134	203	293	331	325
Combustible fuel input	Terajoules					
Brown Coal	135338	132048	124642	123634	132916	129920
Biogas	255	412	537	845	1931	1608
Gas-diesel oil	258	172	1591	301	473	645
Fuel oil	3798	2828	5252	2788	889	768
Other oil products	1648	925	724	1568	161	603
Natural gas	160521	157211	111963	120759	106501	92333
Coke-oven gas	1092	1153	507	927	1024	1293
Blast furnace gas	3208	3050	2622	3712	3376	3306
Fuelwood	*17356	*23741	*26903	*27094	*19982	*16471
Municipal waste	4528	3862	3860	4458	4030	3842
Others	5343	5018	5232	5686	1171	520
Total input	333345	330419	283832	291771	272454	251308
Total production	89867	89237	71719	75193	70016	64102
Estimated efficiency (% of production to input)	27	27	25	26	26	26

Statistics on electricity

Iceland

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	11977	16467	16834	17059	17211	17549
Combustible fuels	4	2	2	2	2	3
Hydro	8394	12427	12279	12592	12507	12337
Nuclear	..	..	..	..	..	..
Other	3579	4038	4553	4465	4702	5209
Main activity	11977	16467	16834	17059	17211	17549
Combustible fuels	4	2	2	2	2	3
Hydro	8394	12427	12279	12592	12507	12337
Nuclear	..	..	..	..	..	..
Other	3579	4038	4553	4465	4702	5209
Own use in electricity, CHP and heat plants	193	301	313	313	360	329
Net production	11784	16166	16521	16746	16851	17220
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	495	576	508	699	503	486
Consumption	11103	15405	15825	15861	16152	16540
Energy industries own use	217	164	166	154	142	166
By industry and construction	8806	13056	13502	13498	13868	14201
By transport	0	0	0	0	0	18
By households and other cons.	2080	2185	2157	2209	2142	2155
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	2363	2574	2571	2579	2669	2656
Combustible fuels	120	120	121	121	120	114
Hydro	1758	1879	1875	1883	1884	1877
Nuclear	..	..	..	..	..	..
Other	485	575	575	575	665	665
Main activity	2363	2574	2571	2579	2669	2656
Combustible fuels	120	120	121	121	120	114
Hydro	1758	1879	1875	1883	1884	1877
Nuclear	..	..	..	..	..	..
Other	485	575	575	575	665	665
Combustible fuel input	Terajoules					
Biogas	2	2	2	0	0	0
Gas-diesel oil	43	43	43	43	43	43
Fuel oil	0	0	0	0	0	0
Municipal waste	202	112	8	0	0	0
Total input	247	157	53	43	43	43
Total production	14	7	7	7	7	11
Estimated efficiency (% of production to input)	6	5	14	17	17	25

Statistics on electricity

India

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	813102	842531	899389	954539	973006	1035264
Combustible fuels	675556	713481	773844	813787	836978	888538
Hydro	120589	114337	106909	114486	103741	113855
Nuclear	16957	14713	18636	26266	32287	32871
Other	..	..	..	..	..	..
Main activity	722626	746626	796281	844846	844605	906863
Combustible fuels	585282	617832	670965	704323	708806	760366
Hydro	120387	114081	106680	114257	103512	113626
Nuclear	16957	14713	18636	26266	32287	32871
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	45531	49977	49706	52380	57238	*57238
Net production	767571	792554	849683	902159	915768	978026
Imports	5230	5899	5359	5610	8441	5152
Exports	290	327	519	584	0	0
Losses	187513	159409	180321	146063	185193	185306
Consumption	577959	631574	682144	694392	772603	785130
Energy industries own use	..	..	..	..	..	..
By industry and construction	265406	290027	326252	272589	346469	352291
By transport	11108	12138	12408	14003	14327	14206
By households and other cons.	301445	329409	343484	407800	411807	418633
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	168048	174947	187872	206526	236387	259854
Combustible fuels	127958	133888	146388	164118	192556	215522
Hydro	35970	36939	36924	37628	39051	39552
Nuclear	4120	4120	4560	4780	4780	4780
Other	..	..	..	..	..	..
Main activity	143061	147966	159398	173626	199877	223344
Combustible fuels	103032	106968	117975	131279	156107	179073
Hydro	35909	36878	36863	37567	38990	39491
Nuclear	4120	4120	4560	4780	4780	4780
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Hard Coal	9306963	9424559	10028873	9057993	10587494	11462734
Brown Coal	375676	385588	390880	418586	448882	522312
Gas-diesel oil	13459	14448	13029	7138	7224	9202
Fuel oil	25250	183214	184709	33249	26139	*19554
Naphtha	33509	51042	28436	18646	8322	15219
Natural gas	469696	469696	833684	920232	737965	501381
Vegetal waste	*79800	*141000	*127644	*157824	*189684	*221496
Total input	10304352	10669547	11607254	10613668	12005710	12751897
Total production	2432002	2568532	2785838	2929633	3013121	3198737
Estimated efficiency (% of production to input)	24	24	24	28	25	25

Statistics on electricity
Indonesia

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	142236	149437	157516	186594	182384	*197328
Combustible fuels	123929	129612	136833	159560	160593	*175109
Hydro	11286	11528	11388	17676	12419	12799
Nuclear	..	..	..	..	..	..
Other	7021	8297	9295	9358	9372	*9420
Main activity	141698	148786	156751	169786	148622	*149755
Combustible fuels	123432	129002	136119	142752	128934	*129810
Hydro	11245	11487	11337	17676	10316	10525
Nuclear	..	..	..	..	..	..
Other	7021	8297	9295	9358	9372	*9420
Own use in electricity, CHP and heat plants	5921	5380	5224	6273	6882	6938
Net production	136315	144057	152292	180321	175502	*190390
Imports	..	..	..	..	..	2990
Exports	..	..	..	..	..	..
Losses	15068	15038	15210	15953	16672	17847
Consumption	121247	129018	138159	162591	159867	173990
Energy industries own use	..	..	..	..	..	..
By industry and construction	45803	47969	49219	56083	55375	60176
By transport	..	0	138	166	0	108
By households and other cons.	75444	81049	88802	106342	104492	113706
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	27329	31114	32504	*34240	*39899	51351
Combustible fuels	21527	25003	26251	*27972	*34743	45341
Hydro	4869	5059	5063	5078	*3945	4661
Nuclear	..	..	..	..	..	..
Other	933	1052	1190	1190	1211	1349
Main activity	22671	26396	26595	*28529	*33979	45253
Combustible fuels	18237	21653	21710	*23629	*29323	39758
Hydro	3501	3691	3695	3710	*3445	4146
Nuclear	..	..	..	..	..	..
Other	933	1052	1190	1190	1211	1349
Combustible fuel input	Terajoules					
Hard Coal	..	527765	557383	706791	1143198	1362653
Brown Coal	453880	*148190	*210574	*113190	*112000	*112000
Gas-diesel oil	290379	301000	221708	270556	335615	322113
Fuel oil	106858	120715	89526	62418	95869	60600
Natural gas	197064	254754	288561	294735	383947	479651
Fuelwood	*648	*846	*1134	*1674	*3006	*2592
Total input	1048829	1353270	1368887	1449364	2073635	2339609
Total production	446144	466603	492599	574416	578135	*630392
Estimated efficiency (% of production to input)	43	34	36	40	28	27

Statistics on electricity
Iran(Islamic Rep. of)

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	203986	214530	221372	232965	240052	254276
Combustible fuels	185856	209331	213912	223266	227428	239752
Hydro	17987	5003	7233	9526	12058	12447
Nuclear	..	..	..	..	327	1847
Other	143	196	227	173	239	230
Main activity	198333	208439	213822	225386	230216	243536
Combustible fuels	180203	203240	206362	215687	217592	229012
Hydro	17987	5003	7233	9526	12058	12447
Nuclear	..	..	..	..	327	1847
Other	143	196	227	173	239	230
Own use in electricity, CHP and heat plants	7908	8354	8487	8100	8482	8558
Net production	196078	206176	212885	224865	231570	245718
Imports	1842	1684	2068	3015	3656	3897
Exports	2520	3875	6152	6707	8668	11029
Losses	38714	37621	34547	33062	34906	36794
Consumption	156687	166364	174253	188141	191698	201793
Energy industries own use	*2135	*2097	*2051	2083	2240	2391
By industry and construction	51824	54685	58368	63060	69143	71989
By transport	170	246	282	300	354	371
By households and other cons.	102558	109335	113551	122699	119961	127041
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	49425	52972	56508	61461	65222	68894
Combustible fuels	41928	45209	48711	52873	55351	58015
Hydro	7422	7673	7705	8488	8746	9746
Nuclear	..	..	..	..	1020	1020
Other	74	90	92	100	105	113
Main activity	47083	50312	52277	56438	60088	63313
Combustible fuels	39586	42549	44480	47850	50217	52434
Hydro	7422	7673	7705	8488	8746	9746
Nuclear	..	..	..	..	1020	1020
Other	74	90	92	100	105	113
Combustible fuel input	Terajoules					
Gas-diesel oil	170540	164777	184649	221512	352009	290708
Fuel oil	323622	341885	366055	339889	461128	554397
Natural gas	1442762	1693941	1693667	1751653	1517956	1587843
Coke-oven gas	1390	229	106	0	0	..
Blast furnace gas	9380	7444	7336	7028	8480	7980
Total input	1947695	2208275	2251814	2320082	2339572	2440928
Total production	669080	753592	770082	803756	818741	863107
Estimated efficiency (% of production to input)	34	34	34	35	35	35

Statistics on electricity

Iraq

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	32104	36780	46065	48909	54240	61704
Combustible fuels	27556	33295	42837	44142	50100	56280
Hydro	4548	3485	3228	4767	4140	5424
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	32104	36780	46065	48909	54240	61704
Combustible fuels	27556	33295	42837	44142	50100	56280
Hydro	4548	3485	3228	4767	4140	5424
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	1756	2329	2454	2411	0	0
Net production	30348	34451	43611	46498	54240	61704
Imports	2196	2973	5604	6722	7262	8201
Exports	..	..	..	..	..	..
Losses	13605	18022	18425	*18425	18854	21596
Consumption	22186	25832	35973	40038	42648	48309
Energy industries own use	..	..	..	..	..	..
By industry and construction	3085	4446	5311	5567	8743	8557
By transport	..	..	..	..	..	..
By households and other cons.	19101	21386	30662	34471	33905	39752
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	9089	13079	14384	14171	16952	16952
Combustible fuels	7225	10566	11871	11658	14439	14439
Hydro	1864	2513	2513	2513	2513	2513
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	9089	13079	14384	14171	16952	16952
Combustible fuels	7225	10566	11871	11658	14439	14439
Hydro	1864	2513	2513	2513	2513	2513
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Crude oil	121189	91580	144074	133710	132780	125039
Gas-diesel oil	..	..	..	..	216075	287068
Fuel oil	94294	109928	141723	162974	158570	192021
Naphtha	4851	4851	4806	3872	0	0
Natural gas	79240	104473	118486	144506	221803	218273
Total input	299574	310831	409089	445061	729228	822401
Total production	99202	119862	154213	158911	180360	202608
Estimated efficiency (% of production to input)	33	39	38	36	25	25

Statistics on electricity

Ireland

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	28198	30239	28313	28602	27472	27592
Combustible fuels	25224	26529	24101	25011	22385	22568
Hydro	1016	1300	1257	776	707	1014
Nuclear	..	..	..	..	..	..
Other	1958	2410	2955	2815	4380	4010
Main activity	26375	28360	26480	26655	25510	25472
Combustible fuels	23401	24650	22268	23064	20423	20448
Hydro	1016	1300	1257	776	707	1014
Nuclear	..	..	..	..	..	..
Other	1958	2410	2955	2815	4380	4010
Own use in electricity, CHP and heat plants	1263	1321	1188	1162	1109	1121
Net production	26935	28918	27125	27440	26363	26471
Imports	1412	753	939	760	732	784
Exports	82	303	175	290	242	370
Losses	2172	2222	2101	2117	2052	2022
Consumption	26592	27345	26010	25923	25086	24733
Energy industries own use	729	671	742	503	215	570
By industry and construction	8478	7977	8598	9104	9484	9161
By transport	51	54	45	46	45	45
By households and other cons.	17334	18643	16625	16270	15342	14957
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	7482	7427	7630	8525	8791	8770
Combustible fuels	5901	5673	5640	6407	6431	6278
Hydro	526	526	526	529	529	529
Nuclear	..	..	..	..	..	..
Other	1055	1228	1464	1589	1831	1963
Main activity	7193	7136	7329	8216	8464	8438
Combustible fuels	5612	5382	5339	6098	6104	5946
Hydro	526	526	526	529	529	529
Nuclear	..	..	..	..	..	..
Other	1055	1228	1464	1589	1831	1963
Combustible fuel input	Terajoules					
Hard Coal	49484	42596	33721	37900	39964	50826
Peat	22087	29963	31486	26167	24937	30236
Biogas	1744	1861	1994	2095	2013	1970
Gas-diesel oil	559	473	344	1075	344	301
Fuel oil	15675	14100	8282	4323	1697	1656
Refinery gas	347	248	248	297	297	446
Natural gas	127064	130485	128079	140430	115994	105362
Fuelwood	*92	*252	*558	*1020	*1276	*1699
Municipal waste	..	..	..	..	..	1799
Total input	217052	219977	204711	213307	186522	194295
Total production	90806	95504	86764	90040	80586	81245
Estimated efficiency (% of production to input)	42	43	42	42	43	42

Statistics on electricity

Isle of Man

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	462	503	533	498	499	296
Combustible fuels	460	500	529	495	496	292
Hydro	2	3	3	3	3	4
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	462	503	533	498	499	296
Combustible fuels	460	500	529	495	496	292
Hydro	2	3	3	3	3	4
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	462	503	533	498	499	296
Imports	42	31	19	45	41	180
Exports	71	96	114	108	115	48
Losses	48	48	48	48	47	47
Consumption	385	390	389	387	377	381
Energy industries own use	..	..	..	..	..	..
By industry and construction	135	135	133	137	133	134
By transport	..	..	..	..	..	..
By households and other cons.	250	255	256	250	244	247
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	186	186	182	180	180	180
Combustible fuels	185	185	181	179	179	179
Hydro	1	1	1	1	1	1
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	186	186	182	180	180	180
Combustible fuels	185	185	181	179	179	179
Hydro	1	1	1	1	1	1
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Fuel oil	97	145	93	93	96	66
Natural gas	3193	3366	3569	3386	3375	1918
Municipal waste	*298	*325	*449	*407	*429	*436
Total input	3588	3836	4111	3886	3900	2420
Total production	1656	1800	1905	1782	1784	1049
Estimated efficiency (% of production to input)	46	47	46	46	46	43

Statistics on electricity

Israel

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	53792	57002	55008	58591	59679	63038
Combustible fuels	53768	56757	54683	58450	59371	62630
Hydro	14	16	24	31	29	33
Nuclear	..	..	..	..	..	..
Other	10	229	301	110	279	375
Main activity	53466	55176	53192	56873	57855	61488
Combustible fuels	53452	55164	53155	56812	57819	61453
Hydro	14	12	20	27	24	29
Nuclear	..	..	..	..	..	..
Other	..	..	17	34	12	6
Own use in electricity, CHP and heat plants	4545	3975	4467	4875	4962	5166
Net production	49247	53027	50541	53716	54717	57872
Imports	..	..	..	..	..	..
Exports	2081	3666	3783	3966	4222	4434
Losses	1427	1195	1761	1616	1640	1736
Consumption	46348	47774	45443	49103	49512	52223
Energy industries own use	..	..	..	384	556	419
By industry and construction	12252	12506	10533	12488	12015	12448
By transport	..	..	..	..	..	..
By households and other cons.	34096	35268	34910	36231	36941	39356
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	11567	12016	12264	13058	13990	14401
Combustible fuels	11554	12002	12166	12940	13662	14163
Hydro	5	5	7	7	7	7
Nuclear	..	..	..	..	..	..
Other	8	9	91	111	321	231
Main activity	11557	12005	11857	12583	13305	13771
Combustible fuels	11554	12002	11846	12547	13269	13735
Hydro	3	3	5	5	5	5
Nuclear	..	..	..	..	..	..
Other	..	..	6	31	31	31
Combustible fuel input	Terajoules					
Hard Coal	344559	326938	317624	317288	321236	361716
Brown Coal	..	..	0	0	2310	2156
Biogas	..	..	..	237	298	298
Oil shale	3818	3800	3952	3845	3702	3765
Gas-diesel oil	37840	29928	8686	8815	27133	83893
Fuel oil	27553	26422	14867	15110	13615	46339
Other oil products	..	..	..	..	26009	24160
Natural gas	105016	134699	155310	193347	171628	76692
Fuelwood	..	..	*448	*367	*411	*411
Municipal waste	..	110	115	110	93	479
Total input	518786	521897	501002	539119	566435	599909
Total production	193565	204325	196859	210420	213736	225468
Estimated efficiency (% of production to input)	37	39	39	39	38	38

Statistics on electricity

Italy

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	313888	319130	292641	302064	302584	299277
Combustible fuels	264744	260413	226034	230473	227710	216811
Hydro	38482	47227	53443	54406	47760	43854
Nuclear	..	..	..	..	..	..
Other	10662	11490	13164	17185	27114	38612
Main activity	294772	300364	272366	278197	279022	283220
Combustible fuels	246889	243073	207034	208049	205528	201786
Hydro	37778	46351	52554	53479	46892	43281
Nuclear	..	..	..	..	..	..
Other	10105	10940	12778	16669	26602	38153
Own use in electricity, CHP and heat plants	12589	12065	11535	11317	11143	11475
Net production	301299	307065	281106	290747	291441	287802
Imports	48931	43433	47070	45987	47519	45407
Exports	2648	3398	2111	1827	1787	2304
Losses	20976	20444	20352	20570	20848	21000
Consumption	326608	326654	305713	314336	316330	309911
Energy industries own use	17290	17337	15697	15023	14502	13169
By industry and construction	146170	141646	120607	127868	128076	120323
By transport	10404	10839	10535	10666	10793	10759
By households and other cons.	152744	156832	158874	160779	162959	165660
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	93599	98626	101447	106488	118443	124234
Combustible fuels	68708	72407	73041	74658	75977	76793
Hydro	21117	21276	21371	21520	21737	21880
Nuclear	..	..	..	..	..	..
Other	3774	4943	7035	10310	20729	25561
Main activity	88901	93057	95333	100325	112667	120039
Combustible fuels	64325	67154	67231	68797	70501	72852
Hydro	20929	21090	21195	21348	21568	21752
Nuclear	..	..	..	..	..	..
Other	3647	4813	6907	10180	20598	25435
Combustible fuel input	Terajoules					
Hard Coal	437671	436510	377944	378125	425055	442393
Biogas	16240	17165	17863	21184	46073	47476
Fuel oil	219816	184426	155217	87628	68034	51510
Refinery gas	35492	32522	31730	34403	37472	36927
Other oil products	165584	162368	108821	167634	148619	139534
Natural gas	1458575	1440974	1229672	1295794	1225420	1112248
Coke-oven gas	15901	16445	12672	15917	18885	20477
Blast furnace gas	39163	36849	22107	29591	34635	31494
Fuelwood	*32458	*37567	*39573	*35670	*55439	*59714
Municipal waste	58618	53511	57442	65178	70588	67560
Others	29587	28450	46484	48389	44247	45848
Total input	2509105	2446787	2099524	2179511	2174467	2055181
Total production	953078	937487	813722	829703	819756	780520
Estimated efficiency (% of production to input)	38	38	39	38	38	38

Statistics on electricity
Jamaica

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	5996	4499	4208	4217	4171	4156
Combustible fuels	5784	4292	3999	4012	3926	3898
Hydro	160	158	158	152	152	151
Nuclear	..	..	..	..	..	..
Other	52	49	51	53	92	108
Main activity	4074	3144	2880	2807	2760	2615
Combustible fuels	3914	2986	2722	2656	2607	2464
Hydro	160	158	158	152	152	151
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	15	173	211	16	36	44
Net production	5981	4327	3996	4201	4135	4113
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	662	1002	930	902	962	1033
Consumption	5319	3328	3067	3301	3176	3081
Energy industries own use	..	..	..	..	..	..
By industry and construction	3506	1228	1131	1059	1020	989
By transport	..	..	..	..	..	..
By households and other cons.	1813	2100	1935	2242	2156	2092
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	1162	813	815	819	840	905
Combustible fuels	1119	770	772	776	776	841
Hydro	22	22	23	23	23	23
Nuclear	..	..	..	..	..	..
Other	21	21	21	21	42	42
Main activity	657	596	598	608	611	611
Combustible fuels	635	574	576	586	586	586
Hydro	22	22	23	23	23	23
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	3	3
Combustible fuel input	Terajoules					
Gas-diesel oil	21715	10019	10191	9765	10232	9779
Fuel oil	33896	28967	29654	28106	29143	26281
Total input	55611	38986	39845	37872	39375	36060
Total production	20822	15453	14395	14442	14135	14031
Estimated efficiency (% of production to input)	37	40	36	38	36	39

Statistics on electricity
Japan

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	1135718	1082549	1050326	1117123	1051261	1034305
Combustible fuels	779970	732970	677484	727762	845278	920311
Hydro	84234	83504	83832	90682	91709	83645
Nuclear	263832	258128	279750	288230	101761	15939
Other	7682	7947	9260	10449	12513	14410
Main activity	1004621	957889	925391	974813	907894	890879
Combustible fuels	661083	621286	568399	609841	729016	804867
Hydro	76853	75914	74539	74175	74378	67360
Nuclear	263832	258128	279750	288230	101761	15939
Other	2853	2561	2703	2567	2739	2713
Own use in electricity, CHP and heat plants	42884	42095	40921	42373	37850	40737
Net production	1092834	1040454	1009405	1074750	1013411	993568
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	50989	51312	50526	49387	49007	45386
Consumption	1040643	988015	957804	1024217	963379	947160
Energy industries own use	29342	23590	21829	24489	23971	24461
By industry and construction	349440	309901	289367	328191	286678	275883
By transport	18854	18829	18815	18917	18739	18645
By households and other cons.	643007	635695	627793	652620	633991	628171
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	279152	280534	284486	287027	292058	295231
Combustible fuels	178394	180826	183237	183882	186810	190405
Hydro	47313	47341	47243	47736	48418	48972
Nuclear	49467	47935	48847	48960	48960	46148
Other	3978	4432	5159	6449	7870	9706
Main activity	233979	234330	237773	227997	229908	231258
Combustible fuels	138127	140023	142574	135070	136132	139795
Hydro	45884	45871	45840	43367	44168	44690
Nuclear	49467	47935	48847	48960	48960	46148
Other	501	501	512	600	648	625
Combustible fuel input	Terajoules					
Hard Coal	2433559	2327753	2228011	2323213	2220658	2384849
Crude oil	408703	288571	131765	172119	418389	487381
Fuel oil	645350	560833	355843	367882	596910	756934
Liquefied petroleum gas	33110	40394	25211	25211	56571	80930
Refinery gas	62172	64449	61628	61677	59994	59301
Natural gas	2479773	2410378	2409107	2510830	3147015	3321506
Coke-oven gas	79643	71946	68405	77310	67201	71558
Blast furnace gas	224498	187726	185195	225927	209503	220618
Vegetal waste	0	0	0	*110429	*116418	*123305
Black liquor	*99347	*87471	*74936	*81765	*77117	*78759
Others	231011	230584	229062	232936	228176	229075
Total input	6697166	6270105	5769162	6189299	7197952	7814216
Total production	2807892	2638692	2438942	2619943	3043001	3313120
Estimated efficiency (% of production to input)	42	42	42	42	42	42

Statistics on electricity

Jersey

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	87	38	64	56	46	*47
Combustible fuels	87	38	64	56	46	*47
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	70	21	46	41	13	*13
Combustible fuels	70	21	46	41	13	*13
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	87	38	64	56	46	*47
Imports	595	677	661	669	700	*714
Exports	..	..	..	..	..	..
Losses	58	61	74	77	67	*67
Consumption	621	652	655	649	677	*692
Energy industries own use	..	..	..	..	..	..
By industry and construction	285	285	286	285	297	*303
By transport	..	..	..	..	..	..
By households and other cons.	336	367	369	364	380	*389
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	217	217	*217	*217	*219	*219
Combustible fuels	217	217	*217	*217	*219	*219
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	212	212	*212	*212	*212	*212
Combustible fuels	212	212	*212	*212	*212	*212
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	*93	*212	*129	*106	0	0
Fuel oil	*699	*40	*343	*408	*40	*40
Municipal waste	*236	*238	*238	*238	679	*686
Total input	*1028	*491	*710	*752	720	*727
Total production	312	138	230	203	165	*167
Estimated efficiency (% of production to input)	30	28	32	27	23	23

Statistics on electricity

Jordan

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	12838	14160	14272	14777	14647	16596
Combustible fuels	12774	14095	14210	14713	14589	16532
Hydro	61	62	59	61	55	61
Nuclear	..	..	..	..	..	..
Other	3	3	3	3	3	3
Main activity	12446	13829	14009	14486	14390	16355
Combustible fuels	12382	13764	13947	14422	14332	16291
Hydro	61	62	59	61	55	61
Nuclear	..	..	..	..	..	..
Other	3	3	3	3	3	3
Own use in electricity, CHP and heat plants	525	614	536	544	616	619
Net production	12313	13546	13736	14233	14031	15977
Imports	208	547	383	670	1738	784
Exports	176	323	139	58	86	104
Losses	1840	1930	2024	1989	2148	2383
Consumption	10663	11789	12247	12919	13599	14352
Energy industries own use	110	104	99	82	103	107
By industry and construction	2917	3024	2907	3242	3446	3431
By transport	..	..	..	..	..	..
By households and other cons.	7636	8661	9241	9595	10050	10814
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	2176	2670	2948	3178	3715	3715
Combustible fuels	2163	2654	2932	3162	3687	3687
Hydro	12	12	12	12	12	12
Nuclear	..	..	..	..	..	..
Other	1	4	4	4	16	16
Main activity	1979	2471	2749	2979	3516	3516
Combustible fuels	1966	2455	2733	2963	3488	3488
Hydro	12	12	12	12	12	12
Nuclear	..	..	..	..	..	..
Other	1	4	4	4	16	16
Combustible fuel input	Terajoules					
Biogas	120	108	84	108	96	72
Gas-diesel oil	327	581	654	3844	40755	64999
Fuel oil	25307	22155	13086	34728	52354	54649
Natural gas	111932	126772	143542	106470	40598	30652
Fuelwood	0	0	0	0	0	0
Total input	137685	149616	157365	145150	133804	150372
Total production	45986	50742	51156	52967	52520	59515
Estimated efficiency (% of production to input)	33	34	33	36	39	40

Statistics on electricity
Kazakhstan

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	76621	80326	78710	82646	86586	91207
Combustible fuels	68450	72866	71831	74624	78703	83567
Hydro	8171	7460	6879	8022	7883	7637
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	3
Main activity	76621	80326	78710	82646	86586	91207
Combustible fuels	68450	72866	71831	74624	78703	83567
Hydro	8171	7460	6879	8022	7883	7637
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	3
Own use in electricity, CHP and heat plants	12240	13407	15041	14788	10165	10575
Net production	64381	66919	63669	67858	76421	80632
Imports	3269	2788	1710	2105	3406	4252
Exports	3616	2483	2378	1560	1809	2933
Losses	7651	7113	6472	6612	6479	7142
Consumption	57988	78165	58142	63017	71296	76307
Energy industries own use	12448	5214	6257	5623	6544	7114
By industry and construction	29669	56283	35943	40121	44372	49846
By transport	2491	3377	2730	3124	3945	3352
By households and other cons.	13380	13291	13212	14149	16435	15995
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*18734	*18734	*18734	*18734	*18734	*18736
Combustible fuels	*16517	*16517	*16517	*16517	*16517	*16517
Hydro	*2217	*2217	*2217	*2217	*2217	*2217
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	*2
Main activity	*18734	*18734	*18734	*18734	*18734	*18736
Combustible fuels	*16517	*16517	*16517	*16517	*16517	*16517
Hydro	*2217	*2217	*2217	*2217	*2217	*2217
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	*2
Combustible fuel input	Terajoules					
Hard Coal	964198	894512	955684	1009012	1067785	1134865
Brown Coal	..	..	23786	26544	23548	8526
Fuel oil	18988	23755	10625	7514	6585	7838
Natural gas	57678	99926	146934	83969	90739	153271
Total input	1040864	1018193	1137029	1127040	1188657	1304499
Total production	246420	262318	258592	268646	283331	300841
Estimated efficiency (% of production to input)	24	26	23	24	24	23

Statistics on electricity

Kenya

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	6773	7055	6450	6867	7849	8290
Combustible fuels	2192	*3027	2997	2201	2885	2376
Hydro	3592	2849	2160	3224	3451	4299
Nuclear	..	..	..	..	..	..
Other	989	1179	1293	1442	1513	1615
Main activity	5102	5734	5315	6327	7532	7973
Combustible fuels	521	*1706	1862	1661	2569	2060
Hydro	3592	2849	2160	3224	3450	4298
Nuclear	..	..	..	..	..	..
Other	989	1179	1293	1442	1513	1615
Own use in electricity, CHP and heat plants	16	171	27	27	15	34
Net production	6757	6884	6423	6840	7834	8256
Imports	23	30	39	31	37	42
Exports	58	27	26	31	42	31
Losses	1110	1036	1068	1180	1329	1507
Consumption	4580	5704	5767	5729	6500	6760
Energy industries own use	..	..	..	..	..	..
By industry and construction	3141	3341	3375	3401	3636	3686
By transport	..	..	..	..	..	..
By households and other cons.	1440	2363	2392	2328	2864	3074
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	1216	*1617	1600	1701	1802	1874
Combustible fuels	*424	*712	712	784	872	900
Hydro	677	747	730	728	735	770
Nuclear	..	..	..	..	..	..
Other	115	*158	158	189	196	205
Main activity	927	1328	1311	1412	1513	1585
Combustible fuels	135	*423	423	495	583	611
Hydro	677	747	730	728	735	770
Nuclear	..	..	..	..	..	..
Other	115	*158	158	189	196	205
Combustible fuel input	Terajoules					
Gas-diesel oil	7697	10707	10320	10578	15308	12255
Fuel oil	13195	20038	13413	18140	15473	12403
Vegetal waste	16800	16800	16800	16800	*16800	*16800
Total input	37692	47545	40533	45518	47581	41458
Total production	7892	*10897	10789	7924	10386	8554
Estimated efficiency (% of production to input)	21	23	27	17	22	21

Statistics on electricity

Kiribati

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	24	23	*22	*24	*24	*24
Combustible fuels	24	23	*22	*24	*24	*24
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	24	23	*22	*24	*24	*24
Combustible fuels	24	23	*22	*24	*24	*24
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	1	1	*1	*1	*1	*1
Net production	22	21	*21	*23	*23	*23
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	..	..	..	..	..	..
Consumption	22	21	*21	*23	*23	*23
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	22	21	*21	*23	*23	*23
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	6	*6	*6	*6	*6	*6
Combustible fuels	5	*5	*5	*5	*5	*5
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*1	*1	*1	*1	*1	*1
Main activity	6	*6	*6	*6	*6	*6
Combustible fuels	5	*5	*5	*5	*5	*5
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*1	*1	*1	*1	*1	*1
Combustible fuel input	Terajoules					
Gas-diesel oil	276	263	258	282	*282	*282
Total input	276	263	258	282	*282	*282
Total production	85	81	*79	*87	*87	*87
Estimated efficiency (% of production to input)	31	31	31	31	31	31

Statistics on electricity

Korea, Dem.Ppl's.Rep.

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	21523	23206	21129	21665	19227	19236
Combustible fuels	8243	9138	8629	8265	6027	5736
Hydro	13280	14068	12500	13400	13200	13500
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	21523	23206	21129	21665	19227	19236
Combustible fuels	8243	9138	8629	8265	6027	5736
Hydro	13280	14068	12500	13400	13200	13500
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	2041	2201	2004	2055	1824	1825
Net production	19482	21005	19125	19610	17403	17411
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	3402	3668	3340	3425	3040	3041
Consumption	16080	17337	15785	16185	14363	14370
Energy industries own use	..	..	..	..	..	..
By industry and construction	8040	8669	7893	8093	7182	7185
By transport	..	..	..	..	..	..
By households and other cons.	8040	8668	7892	8092	7181	7185
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*9500	*9500	*9500	*9500	*9500	*9500
Combustible fuels	*4500	*4500	*4500	*4500	*4500	*4500
Hydro	*5000	*5000	*5000	*5000	*5000	*5000
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*9500	*9500	*9500	*9500	*9500	*9500
Combustible fuels	*4500	*4500	*4500	*4500	*4500	*4500
Hydro	*5000	*5000	*5000	*5000	*5000	*5000
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Hard Coal	86636	96776	96879	89836	61662	62720
Brown Coal	8484	9478	9114	8736	6146	5894
Fuel oil	13776	14140	10787	10302	11150	9979
Total input	108897	120394	116780	108874	78958	78593
Total production	29675	32897	31064	29754	21697	20650
Estimated efficiency (% of production to input)	27	27	27	27	27	26

Statistics on electricity
Korea, Republic of

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	427316	446428	454504	499508	523286	534618
Combustible fuels	278819	289111	299668	342502	358505	374116
Hydro	5042	5563	5641	6472	7831	7652
Nuclear	142937	150958	147771	148596	154723	150327
Other	518	796	1424	1938	2227	2523
Main activity	400943	420363	430618	471026	493596	503660
Combustible fuels	252575	263206	275939	314284	329200	343479
Hydro	5042	5563	5641	6472	7831	7652
Nuclear	142937	150958	147771	148596	154723	150327
Other	389	636	1267	1674	1842	2202
Own use in electricity, CHP and heat plants	16946	17767	19526	19116	20136	20272
Net production	410370	428661	434978	480392	503150	514346
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	15345	16106	16770	18034	17430	17292
Consumption	394473	411285	418403	462136	485215	497357
Energy industries own use	3285	11688	12704	12791	14602	15952
By industry and construction	200529	200292	199326	228120	246046	250643
By transport	2458	2220	2174	2191	2246	2250
By households and other cons.	188201	197085	204199	219034	222321	228512
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	73373	79859	80610	84700	84654	94189
Combustible fuels	49888	55977	56482	60389	58303	65538
Hydro	5492	5505	5515	5525	6418	6447
Nuclear	17716	17716	17716	17716	18716	20716
Other	277	661	897	1070	1217	1488
Main activity	67737	74154	74722	79102	78952	87378
Combustible fuels	44316	50440	50706	54913	52800	59086
Hydro	5492	5505	5515	5525	6418	6447
Nuclear	17716	17716	17716	17716	18716	20716
Other	213	493	785	948	1018	1129
Combustible fuel input	Terajoules					
Hard Coal	1471116	1689642	1912219	2014464	2130022	2161498
Brown Coal	54278	44240	49882	71260	59010	29582
Gas-diesel oil	1032	1161	1376	1892	3483	6493
Fuel oil	165034	90496	126088	114736	84274	132754
Naphtha	96209	67996	58740	73025	76051	81613
Natural gas	666855	661791	572789	831449	928420	1027978
Coke-oven gas	10341	12636	11010	24788	31841	22352
Blast furnace gas	83246	91817	78103	110292	135788	119240
Municipal waste	8720	9375	7391	7153	11687	10892
Other recovered gases	16926	13314	8550	11795	15145	15976
Others	8790	9225	10408	14078	26288	25582
Total input	2582547	2691693	2836556	3274932	3502009	3633961
Total production	1003748	1040800	1078805	1233007	1290618	1346818
Estimated efficiency (% of production to input)	39	39	38	38	37	37

Statistics on electricity
Kuwait

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	48753	51749	53216	57029	57457	62655
Combustible fuels	48753	51749	53216	57029	57457	62655
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	48753	51749	53216	57029	57457	62655
Combustible fuels	48753	51749	53216	57029	57457	62655
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	6169	6515	6615	6896	6948	7577
Net production	42584	45234	46601	50133	50509	55078
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	5951	6514	6615	6893	7082	8893
Consumption	36633	38720	39986	43240	43427	46185
Energy industries own use	5110	5428	5592	6016	6045	6451
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	31523	33292	34394	37224	37382	39734
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	10944	10944	12679	12679	14803	14803
Combustible fuels	10944	10944	12679	12679	14803	14803
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	10848	10848	12579	12579	14703	14703
Combustible fuels	10848	10848	12579	12579	14703	14703
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Crude oil	95767	51183	116113	103804	112560	95725
Gas-diesel oil	22747	40119	41237	52374	52761	57534
Fuel oil	293991	338229	347804	266317	268296	292577
Natural gas	141936	157958	165879	225651	249590	259312
Total input	554441	587489	671033	648146	683208	705148
Total production	175511	186296	191578	205304	206845	225558
Estimated efficiency (% of production to input)	32	32	29	32	30	32

Statistics on electricity
Kyrgyzstan

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	14830	11789	11083	12100	15158	15168
Combustible fuels	2094	1665	866	992	1019	989
Hydro	12736	10124	10217	11108	14139	14179
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	14830	11789	11083	12100	15158	15168
Combustible fuels	2094	1665	866	992	1019	989
Hydro	12736	10124	10217	11108	14139	14179
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	285	251	265	281	287	305
Net production	14545	11538	10818	11819	14871	14863
Imports	4	102	52	116	174	177
Exports	2579	868	1251	1828	2848	1840
Losses	4583	3690	2758	2915	3389	3361
Consumption	7354	7078	6852	7078	8712	9591
Energy industries own use	..	..	..	..	..	..
By industry and construction	1956	2028	1893	1764	2000	1985
By transport	..	..	..	..	..	..
By households and other cons.	5398	5050	4959	5314	6712	7606
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	3739	3741	3741	3860	*3860	*3860
Combustible fuels	793	796	796	795	*795	*795
Hydro	2946	2945	2945	3065	*3065	*3065
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	3738	3740	3740	3859	*3859	*3859
Combustible fuels	793	796	796	795	*795	*795
Hydro	2945	2944	2944	3064	*3064	*3064
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Hard Coal	8927	25568	23375	19092	20950	22549
Gas-diesel oil	86	129	43	43	43	0
Fuel oil	1333	1172	4888	2464	2747	2222
Natural gas	9167	8865	3211	3621	2521	3254
Total input	19513	35733	31517	25220	26261	28025
Total production	7538	5994	3118	3571	3668	3560
Estimated efficiency (% of production to input)	39	17	10	14	14	13

Statistics on electricity

Lao People's Dem. Rep.

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	3863	4172	3874	3755	3802	*3802
Combustible fuels	*300	*300	*300	*300	*300	*300
Hydro	3370	3678	3381	3262	3309	*3309
Nuclear	..	..	..	..	..	..
Other	*193	*193	*193	*193	*193	*193
Main activity	3670	3978	3681	3562	3609	*3609
Combustible fuels	*300	*300	*300	*300	*300	*300
Hydro	3370	3678	3381	3262	3309	*3309
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	3863	4172	3874	3755	3802	*3802
Imports	467	515	819	999	748	*748
Exports	2226	2277	1939	2020	*2020	*2020
Losses	*214	*244	*198	*167	*211	*211
Consumption	1298	1578	1901	2228	2399	*2399
Energy industries own use	..	..	..	..	..	..
By industry and construction	309	365	404	495	584	*584
By transport	..	..	..	..	..	..
By households and other cons.	990	1212	1498	1734	1815	*1815
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	907	907	2031	2746	2796	*2796
Combustible fuels	*50	*50	*50	*50	*50	*50
Hydro	681	681	1805	2520	2570	*2570
Nuclear	..	..	..	..	..	..
Other	*176	*176	*176	*176	*176	*176
Main activity	731	731	1855	2570	2620	*2620
Combustible fuels	*50	*50	*50	*50	*50	*50
Hydro	681	681	1805	2520	2570	*2570
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Hard Coal	*2451	*2451	*2451	*2457	*2457	*2457
Fuel oil	*889	*889	*889	*889	*889	*889
Total input	*3340	*3340	*3340	*3346	*3346	*3346
Total production	*1080	*1080	*1080	*1080	*1080	*1080
Estimated efficiency (% of production to input)	32	32	32	32	32	32

Statistics on electricity

Latvia

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	4771	5274	5569	6627	6095	6168
Combustible fuels	1985	2106	2062	3058	3137	2347
Hydro	2733	3109	3457	3520	2887	3707
Nuclear	..	..	..	..	..	..
Other	53	59	50	49	71	114
Main activity	4693	5199	5494	6544	6007	5984
Combustible fuels	1918	2045	1999	2990	3058	2170
Hydro	2722	3097	3449	3510	2878	3700
Nuclear	..	..	..	..	..	..
Other	53	57	46	44	71	114
Own use in electricity, CHP and heat plants	367	368	378	558	531	449
Net production	4404	4906	5191	6069	5564	5719
Imports	4964	4643	4259	3973	4009	4935
Exports	1964	2123	2605	3100	2764	3244
Losses	798	798	741	725	616	559
Consumption	6606	6628	6103	6215	6191	6848
Energy industries own use	..	..	..	..	..	..
By industry and construction	1816	1685	1506	1590	1670	1993
By transport	140	138	121	126	124	129
By households and other cons.	4650	4805	4476	4499	4397	4726
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	2133	2155	2502	2557	2577	2660
Combustible fuels	571	591	937	951	965	1023
Hydro	1536	1536	1536	1576	1576	1576
Nuclear	..	..	..	..	..	..
Other	26	28	29	30	36	61
Main activity	2115	2132	2478	2534	2550	2618
Combustible fuels	558	575	921	935	944	984
Hydro	1531	1531	1531	1571	1571	1573
Nuclear	..	..	..	..	..	..
Other	26	26	26	28	35	61
Combustible fuel input	Terajoules					
Hard Coal	232	361	439	387	387	490
Peat	0	0	0	0	0	0
Biogas	231	290	310	439	768	1890
Gas-diesel oil	0	0	0	0	0	0
Fuel oil	566	202	323	202	202	162
Other oil products	0	0	0	0	0	0
Natural gas	28200	27413	26708	34695	32210	28994
Fuelwood	602	656	649	764	819	1837
Biodiesel	0	0	0	0	37	37
Total input	29831	28922	28429	36487	34423	33410
Total production	7146	7582	7423	11009	11293	8449
Estimated efficiency (% of production to input)	24	26	26	30	33	25

Statistics on electricity
Lebanon

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	12072	13356	13771	15712	16365	14826
Combustible fuels	11487	12983	13149	14873	15560	13819
Hydro	585	373	622	839	805	1007
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	9575	10627	10810	11212	11615	8826
Combustible fuels	8990	10254	10188	10373	10810	7819
Hydro	585	373	622	839	805	1007
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	12072	13356	13771	15712	16365	14826
Imports	972	561	1155	1245	840	323
Exports	..	..	..	..	..	..
Losses	1582	1678	1789	1869	1868	1372
Consumption	11463	12238	13137	15088	15337	13776
Energy industries own use	..	..	..	..	..	..
By industry and construction	3009	3212	3448	3961	4026	3616
By transport	..	..	..	..	..	..
By households and other cons.	8454	9026	9689	11127	11311	10160
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	2808	*2858	2908	3212	3209	3209
Combustible fuels	2534	*2584	2634	2938	2988	2988
Hydro	274	*274	274	*274	221	221
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	2308	*2308	2308	2312	2259	2259
Combustible fuels	2034	*2034	2034	2038	2038	2038
Hydro	274	*274	274	*274	221	221
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	60931	80883	77701	86774	102641	115455
Fuel oil	43268	43511	49611	51833	47955	39915
Natural gas	..	0	1931	9867	0	0
Total input	104199	124394	129243	148474	150596	155370
Total production	41353	46739	47336	53543	56016	49748
Estimated efficiency (% of production to input)	40	38	37	36	37	32

Statistics on electricity
Lesotho

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	513	517	532	567	549	461
Combustible fuels	..	..	..	..	..	..
Hydro	513	517	532	567	549	461
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	513	517	532	567	549	461
Combustible fuels	..	..	..	..	..	..
Hydro	513	517	532	567	549	461
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	513	517	532	567	549	461
Imports	56	77	124	201	220	*240
Exports	9	4	2	6	46	14
Losses	14	14	14	*14	*14	*14
Consumption	*508	*536	569	615	651	*618
Energy industries own use	..	..	..	..	..	..
By industry and construction	*186	*197	209	224	221	*210
By transport	..	..	..	..	..	..
By households and other cons.	*321	*339	360	391	430	*409
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	80	80	80	80	*80	*80
Combustible fuels	..	..	..	..	..	..
Hydro	80	80	80	80	*80	*80
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	80	80	80	80	*80	*80
Combustible fuels	..	..	..	..	..	..
Hydro	80	80	80	80	*80	*80
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Total input	..	..	..	..	..	..
Total production	..	..	..	..	..	..
Estimated efficiency (% of production to input)	..	..	..	..	..	..

Statistics on electricity
Liberia

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*250	*250	*250	*250	*300	*300
Combustible fuels	*250	*250	*250	*250	*300	*300
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*50	*50	*50	*50	*100	*100
Combustible fuels	*50	*50	*50	*50	*100	*100
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	*20	*20	*20	*20	*20	*20
Net production	*230	*230	*230	*230	*280	*280
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*15	*15	*15	*15	*24	*24
Consumption	*215	*215	*215	*215	*256	*256
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	*215	*215	*215	*215	*256	*256
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*73	*73	*78	*78	*91	*91
Combustible fuels	*73	*73	*78	*78	*91	*91
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*3	*3	*8	*8	*21	*21
Combustible fuels	*3	*3	*8	*8	*21	*21
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	*1833	*1759	*1310	*1946	*2137	*2620
Fuel oil	*1495	*1454	*1616	*1212	*1212	*1212
Total input	*3328	*3213	*2926	*3158	*3349	*3832
Total production	*900	*900	*900	*900	*1080	*1080
Estimated efficiency (% of production to input)	27	28	31	28	32	28

Statistics on electricity

Libya

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	26234	30721	31045	32753	27614	33980
Combustible fuels	26234	30721	31045	32753	27614	33980
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	26234	30721	31045	32753	27614	33980
Combustible fuels	26234	30721	31045	32753	27614	33980
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	778	790	950	1039	1929	1078
Net production	25456	29931	30095	31714	25685	32902
Imports	77	69	95	70	59	61
Exports	104	117	118	152	128	14
Losses	3546	4013	4059	4275	3604	4452
Consumption	21883	25870	26013	27357	22012	28497
Energy industries own use	..	..	..	..	..	..
By industry and construction	5003	3176	1934	2079	2613	1449
By transport	..	..	..	..	..	..
By households and other cons.	16880	22694	24079	25278	19399	27048
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	5541	6612	6766	7066	8907	8907
Combustible fuels	5541	6612	6766	7066	8907	8907
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	5541	6612	6766	7066	8907	8907
Combustible fuels	5541	6612	6766	7066	8907	8907
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	123883	124356	131494	108317	64973	86602
Fuel oil	63226	66822	77245	81042	59469	65327
Natural gas	129088	139135	125329	161516	163688	158250
Total input	316197	330313	334068	350875	288130	310179
Total production	94442	110596	111762	117911	99410	122328
Estimated efficiency (% of production to input)	30	33	33	34	35	39

Statistics on electricity
Liechtenstein

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	72	71	71	79	72	86
Combustible fuels	4	4	4	4	4	4
Hydro	68	67	66	72	62	74
Nuclear	..	..	..	..	..	..
Other	0	0	1	3	6	9
Main activity	72	71	71	79	72	86
Combustible fuels	4	4	4	4	4	4
Hydro	68	67	66	72	62	74
Nuclear	..	..	..	..	..	..
Other	0	0	1	3	6	9
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	72	71	71	79	72	86
Imports	307	315	307	318	326	318
Exports	..	..	..	..	..	..
Losses	..	..	..	..	..	..
Consumption	*379	*386	*378	*397	*398	*404
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	*379	*386	*378	*397	*398	*404
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	..	..	..	..	..	..
Combustible fuels	..	..	..	..	..	..
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	..	..	..	..	..	..
Combustible fuels	..	..	..	..	..	..
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Total input	..	..	..	..	..	..
Total production	13	14	15	15	14	13
Estimated efficiency (% of production to input)	..	..	..	..	..	..

Statistics on electricity
Lithuania

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	14007	13913	15358	5749	4822	5043
Combustible fuels	2879	2662	2938	3980	3034	3337
Hydro	958	988	1139	1295	1056	937
Nuclear	9833	9894	10852	0	0	0
Other	337	369	429	474	732	769
Main activity	13393	13462	14736	5197	4222	4256
Combustible fuels	2496	2449	2587	3678	2691	2777
Hydro	958	988	1139	1295	1056	937
Nuclear	9833	9894	10852	0	0	0
Other	106	131	158	224	475	542
Own use in electricity, CHP and heat plants	1129	1132	1211	402	377	354
Net production	12878	12781	14147	5347	4445	4689
Imports	5846	5649	4783	8174	8086	8060
Exports	7218	6606	7715	2184	1347	1441
Losses	1118	1015	969	989	872	883
Consumption	10381	10802	10240	10344	10308	10422
Energy industries own use	1522	1757	1869	2012	1728	1501
By industry and construction	3081	2795	2430	2654	2768	2893
By transport	70	83	77	76	74	75
By households and other cons.	5708	6167	5864	5602	5738	5953
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*4674	*4716	*4725	*3648	*3699	3806
Combustible fuels	*2496	*2511	*2516	*2615	*2623	2710
Hydro	*888	*896	*898	*933	*946	*966
Nuclear	1190	*1209	*1211	0	0	0
Other	*100	*100	*100	*100	*130	*130
Main activity	*4551	*4593	*4602	*3522	*3572	3646
Combustible fuels	*2433	*2448	*2453	*2549	*2556	2610
Hydro	*888	*896	*898	*933	*946	*966
Nuclear	1190	*1209	*1211	0	0	0
Other	*40	*40	*40	*40	*70	*70
Combustible fuel input	Terajoules					
Hard Coal	0	0	0	0	0	0
Brown Coal	0	0	0	0	0	0
Peat	254	10	0	0	0	0
Biogas	48	66	108	229	335	353
Gas-diesel oil	0	0	0	0	0	0
Fuel oil	2101	4525	6020	5292	1980	6141
Liquefied petroleum gas	0	0	0	0	0	0
Refinery gas	0	0	0	0	0	198
Natural gas	41602	38661	39295	51946	42383	37286
Fuelwood	*1597	*1864	*2331	*2472	*2359	*3786
Others	1980	72	0	0	0	0
Total input	47582	45198	47754	59939	47057	47764
Total production	10364	9583	10577	14328	10922	12013
Estimated efficiency (% of production to input)	22	21	22	24	23	25

Statistics on electricity
Luxembourg

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	4003	3559	3879	4590	3718	3814
Combustible fuels	2999	2513	2963	3046	2498	2543
Hydro	919	965	833	1468	1130	1158
Nuclear	..	..	..	..	..	..
Other	85	81	83	76	90	113
Main activity	3822	3369	3672	4374	3510	3589
Combustible fuels	2845	2350	2782	2859	2320	2361
Hydro	913	958	827	1460	1126	1153
Nuclear	..	..	..	..	..	..
Other	64	61	63	55	64	75
Own use in electricity, CHP and heat plants	43	41	47	31	20	32
Net production	3960	3518	3832	4559	3698	3782
Imports	6847	6830	6022	7280	7096	6732
Exports	2887	2484	2604	3216	2614	2622
Losses	114	117	116	122	121	121
Consumption	7817	7755	7139	8518	8062	7780
Energy industries own use	1122	1160	1025	1913	1533	1515
By industry and construction	3577	3595	3099	3633	3204	2566
By transport	118	113	112	120	129	129
By households and other cons.	3000	2887	2903	2852	3196	3570
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	1684	1698	1704	1711	1741	1789
Combustible fuels	491	496	501	504	521	522
Hydro	1134	1134	1134	1134	1134	1134
Nuclear	..	..	..	..	..	..
Other	59	68	69	73	86	133
Main activity	1606	1615	1616	1619	1640	1653
Combustible fuels	439	440	441	443	463	463
Hydro	1132	1132	1132	1132	1132	1132
Nuclear	..	..	..	..	..	..
Other	35	43	43	44	45	58
Combustible fuel input	Terajoules					
Biogas	136	163	199	275	282	305
Gas-diesel oil	0	43	43	0	43	43
Natural gas	23550	20189	23027	24176	19997	20548
Fuelwood	0	0	0	0	0	0
Municipal waste	1332	1356	1224	1113	1225	1187
Total input	25018	21751	24493	25564	21547	22083
Total production	10796	9047	10667	10966	8993	9155
Estimated efficiency (% of production to input)	43	42	44	43	42	41

Statistics on electricity
Madagascar

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	1222	1274	1274	1360	1438	1520
Combustible fuels	503	574	533	649	747	765
Hydro	719	700	741	711	690	755
Nuclear	..	..	..	..	..	..
Other	..	0	0	0	0	0
Main activity	1052	1104	1104	1190	1268	1350
Combustible fuels	333	404	363	479	577	595
Hydro	719	700	741	711	690	755
Nuclear	..	..	..	..	..	..
Other	..	0	0	0	0	0
Own use in electricity, CHP and heat plants	35	14	18	19	21	23
Net production	1187	1261	1256	1340	1417	1497
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*35	51	40	*40	*41	*41
Consumption	*954	*1022	*961	1014	1053	1100
Energy industries own use	..	..	..	..	..	..
By industry and construction	*488	*523	*481	*489	*501	*516
By transport	..	..	..	..	..	..
By households and other cons.	466	499	480	525	552	584
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*348	431	431	507	*507	*507
Combustible fuels	*243	282	282	379	*379	*379
Hydro	105	148	148	128	*128	*128
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Main activity	*316	399	399	475	*475	*475
Combustible fuels	*211	250	250	347	*347	*347
Hydro	105	148	148	128	*128	*128
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Combustible fuel input	Terajoules					
Gas-diesel oil	*5550	*4568	*3966	*5061	*5061	*5061
Fuel oil	..	1703	1843	*2022	*2022	*2022
Total input	*5550	*6271	*5809	*7082	*7082	*7082
Total production	1810	2067	1918	2336	2690	2753
Estimated efficiency (% of production to input)	33	33	33	33	38	39

Statistics on electricity

Malawi

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	1617	1797	1944	2024	1979	*1666
Combustible fuels	*214	*182	*181	*181	*181	*181
Hydro	1403	1615	1763	1843	1798	*1485
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	1453	1617	1764	1844	1798	*1485
Combustible fuels	*54	*6	*5	*5	*5	*5
Hydro	1399	1611	1759	1839	1793	*1480
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	*80	*88	*91	*97	*95	*82
Net production	1537	1709	1853	1927	1884	*1584
Imports	..	..	..	..	..	..
Exports	17	20	16	21	20	18
Losses	*152	*169	*184	*191	*186	*157
Consumption	1368	1520	1652	1716	1678	1409
Energy industries own use	..	..	..	..	..	..
By industry and construction	536	520	553	556	617	503
By transport	..	..	..	..	..	..
By households and other cons.	832	1001	1099	1160	1062	906
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	517	502	502	502	502	*502
Combustible fuels	*226	*211	*211	*211	*211	*211
Hydro	291	291	291	291	291	*291
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	302	287	287	287	287	*287
Combustible fuels	16	1	1	1	*1	*1
Hydro	286	286	286	286	286	*286
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	*2365	*2012	*2012	*2012	*2012	*2012
Total input	*2365	*2012	*2012	*2012	*2012	*2012
Total production	*769	*655	*652	*652	*652	*652
Estimated efficiency (% of production to input)	33	33	32	32	32	32

Statistics on electricity
Malaysia

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	104950	106927	107116	116808	124893	134373
Combustible fuels	97939	99737	100491	110556	117269	125319
Hydro	7011	7190	6625	6251	7624	9054
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	102927	104923	105203	114919	119760	128219
Combustible fuels	95917	97733	98578	108668	112136	119165
Hydro	7010	7190	6625	6251	7624	9054
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	2020	2004	1914	1892	12779	11543
Net production	102930	104923	105202	114916	112114	122830
Imports	0	0	0	0	370	100
Exports	2260	469	92	148	10	15
Losses	3545	*2638	3992	8200	0	0
Consumption	*89298	*92827	*96360	*110853	107341	116353
Energy industries own use	..	..	..	..	..	..
By industry and construction	41684	42851	43244	52715	47017	52414
By transport	*41	*174	*140	*209	214	241
By households and other cons.	*47573	*49802	*52976	*57929	60110	63698
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	22973	23354	*25398	*25398	28749	29143
Combustible fuels	20853	21234	*23278	*23278	25734	25826
Hydro	2120	2120	*2120	*2120	3015	3317
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	21815	21949	*23993	*23993	25751	25969
Combustible fuels	19695	19829	*21873	*21873	22736	22652
Hydro	2120	2120	*2120	*2120	3015	3317
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Hard Coal	275905	297190	433698	530035	532564	578591
Gas-diesel oil	16813	15308	20167	26101	49966	35389
Fuel oil	8120	7353	*8363	*5090	44925	22382
Natural gas	573302	614665	618560	754903	531627	555449
Vegetal waste	..	..	*16762	*14400	*15033	*11405
Total input	874141	934516	1097550	1330530	1174114	1203215
Total production	352581	359052	361767	398003	422168	451148
Estimated efficiency (% of production to input)	40	38	33	30	36	37

Statistics on electricity

Maldives

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	245	280	298	256	274	297
Combustible fuels	245	280	298	256	274	297
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	245	280	298	256	274	297
Combustible fuels	245	280	298	256	274	297
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	9	10	10	9	9	10
Net production	236	270	288	247	265	287
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	17	*18	*19	*15	*15	*16
Consumption	219	*252	*270	*232	*250	*271
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	219	*252	*270	*232	*250	*271
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	61	75	75	77	78	81
Combustible fuels	61	75	75	77	78	81
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	61	75	75	77	78	81
Combustible fuels	61	75	75	77	78	81
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	2700	*3083	3225	2765	*2993	*3216
Total input	2700	*3083	3225	2765	*2993	*3216
Total production	882	1008	1074	921	985	1070
Estimated efficiency (% of production to input)	33	33	33	33	33	33

Statistics on electricity

Mali

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	1409	1481	1575	1691	*1702	*1718
Combustible fuels	751	815	896	996	*1002	*1018
Hydro	658	666	679	695	*700	*700
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	1356	1430	1523	1639	*1650	*1666
Combustible fuels	698	764	844	944	*950	*966
Hydro	658	666	679	695	*700	*700
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	1409	1481	1575	1691	*1702	*1718
Imports	..	..	..	..	..	..
Exports	263	333	348	368	*368	*368
Losses	*115	*115	*123	*132	*133	*135
Consumption	1031	1033	1104	1191	*1201	*1215
Energy industries own use	..	..	..	..	..	..
By industry and construction	542	570	625	639	*640	*640
By transport	..	..	..	..	..	..
By households and other cons.	*489	*463	*479	*552	*561	*575
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	468	468	528	528	*528	*528
Combustible fuels	216	216	276	276	*276	*276
Hydro	252	252	252	252	252	252
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	403	403	463	463	463	463
Combustible fuels	151	151	211	211	*211	*211
Hydro	252	252	252	252	252	252
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	*7680	*6652	*7525	*8609	*8673	*8845
Fuel oil	*404	*2020	*2020	*2020	*2020	*2020
Total input	*8084	*8672	*9545	*10629	*10693	*10865
Total production	2704	2934	3226	3586	*3607	*3665
Estimated efficiency (% of production to input)	33	34	34	34	34	34

Statistics on electricity

Malta

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	2296	2312	2168	2115	2194	2290
Combustible fuels	2296	2312	2168	2115	2186	2277
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	8	13
Main activity	2296	2312	2168	2113	2192	2281
Combustible fuels	2296	2312	2168	2113	2184	2268
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	8	13
Own use in electricity, CHP and heat plants	131	127	122	121	125	122
Net production	2165	2185	2046	1994	2069	2168
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	314	332	339	386	242	293
Consumption	1851	1853	1707	1606	1814	1866
Energy industries own use	..	..	..	..	..	..
By industry and construction	530	558	509	467	527	521
By transport	0	0	0	0	0	38
By households and other cons.	1321	1295	1198	1139	1287	1307
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*921	*921	*922	*923	*939	*940
Combustible fuels	*921	*921	*922	*923	*923	*924
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	*16	*16
Main activity	*921	*921	*921	*921	*937	*937
Combustible fuels	*921	*921	*921	*921	*921	*921
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	*16	*16
Combustible fuel input	Terajoules					
Biogas	0	0	0	0	25	21
Gas-diesel oil	5117	3225	3311	3569	3139	3139
Fuel oil	25735	22786	21129	20887	21897	23311
Municipal waste	0	0	0	22	16	72
Total input	30852	26011	24440	24478	25077	26543
Total production	8266	8323	7805	7614	7870	8197
Estimated efficiency (% of production to input)	27	32	32	31	31	31

Statistics on electricity

Marshall Islands

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*106	*109	*111	*114	*114	*114
Combustible fuels	*106	*109	*111	*114	*114	*114
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*106	*109	*111	*114	*114	*114
Combustible fuels	*106	*109	*111	*114	*114	*114
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	*106	*109	*111	*114	*114	*114
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	..	..	..	..	..	..
Consumption	*106	*109	*111	*114	*114	*114
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	*106	*109	*111	*114	*114	*114
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*17	*17	*17	*17	*17	*17
Combustible fuels	*17	*17	*17	*17	*17	*17
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Main activity	*17	*17	*17	*17	*17	*17
Combustible fuels	*17	*17	*17	*17	*17	*17
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Combustible fuel input	Terajoules					
Gas-diesel oil	*1376	*1379	*1417	*1455	*1455	*1455
Total input	*1376	*1379	*1417	*1455	*1455	*1455
Total production	*382	*391	*400	*409	*409	*409
Estimated efficiency (% of production to input)	28	28	28	28	28	28

Statistics on electricity
Martinique

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*1632	*1682	*1732	*1808	*1764	*1780
Combustible fuels	*1595	*1641	*1685	*1764	*1720	*1736
Hydro	0	0	0	0	0	0
Nuclear	..	..	..	..	..	..
Other	37	41	*47	*45	*45	*45
Main activity	*1602	*1652	*1702	*1778	*1734	*1750
Combustible fuels	*1565	*1611	*1655	*1734	*1690	*1706
Hydro	0	0	0	0	0	0
Nuclear	..	..	..	..	..	..
Other	37	41	*47	*45	*45	*45
Own use in electricity, CHP and heat plants	72	78	*79	*78	*74	*77
Net production	*1560	*1604	*1653	*1731	*1690	*1703
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*8	*8	*8	*8	*8	*8
Consumption	*1389	*1559	*1550	*1582	*1547	*1558
Energy industries own use	..	..	..	..	..	..
By industry and construction	*30	*30	*30	*30	*30	*30
By transport	..	..	..	..	..	..
By households and other cons.	*1359	*1529	*1520	*1552	*1517	*1528
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*408	*408	*415	*415	*415	*461
Combustible fuels	*400	*400	*400	*400	*400	*400
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*8	8	15	*15	*15	61
Main activity	*404	*404	*411	*411	*411	*457
Combustible fuels	*396	*396	*396	*396	*396	*396
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*8	8	15	*15	*15	61
Combustible fuel input	Terajoules					
Gas-diesel oil	59	*69	*72	*75	*75	*75
Fuel oil	11902	*12042	*12223	*12928	*13705	*13946
Municipal waste	*432	*432	*432	*432	*432	*432
Total input	12393	*12542	*12726	*13435	*14212	*14452
Total production	*5743	*5909	*6068	*6350	*6191	*6249
Estimated efficiency (% of production to input)	46	47	48	47	44	43

Statistics on electricity

Mauritania

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	587	659	658	727	744	824
Combustible fuels	587	659	658	727	744	824
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	314	383	381	426	436	501
Combustible fuels	314	383	381	426	436	501
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	9	10	10	11	14	18
Net production	578	649	648	716	731	806
Imports	82	104	109	115	*115	*115
Exports	..	..	..	..	..	..
Losses	117	124	130	148	139	141
Consumption	571	629	623	669	698	771
Energy industries own use	..	..	..	..	..	..
By industry and construction	273	275	276	301	309	323
By transport	..	..	..	..	..	..
By households and other cons.	298	353	346	368	390	447
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	156	156	166	196	*196	*196
Combustible fuels	156	156	166	196	*196	*196
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	86	86	96	126	*126	*126
Combustible fuels	86	86	96	126	*126	*126
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	3543	3754	3698	3410	*4300	*5010
Fuel oil	1612	2408	2351	2727	*2828	*3232
Total input	5155	6162	6049	6137	*7128	*8242
Total production	2112	2372	2367	2618	2679	2967
Estimated efficiency (% of production to input)	41	38	39	43	38	36

Statistics on electricity
Mauritius

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	2465	2557	2577	2690	2731	2797
Combustible fuels	2381	2449	2453	2586	2671	2718
Hydro	84	108	122	101	57	74
Nuclear	..	..	..	..	..	..
Other	0	0	2	3	3	5
Main activity	1003	942	1077	1100	1130	1146
Combustible fuels	919	834	953	996	1070	1068
Hydro	84	108	122	101	57	74
Nuclear	..	..	..	..	..	..
Other	0	0	2	3	3	4
Own use in electricity, CHP and heat plants	41	38	39	40	44	43
Net production	2424	2519	2538	2650	2686	2753
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	213	216	198	194	194	191
Consumption	2201	2295	2332	2446	2482	2551
Energy industries own use	234	250	272	281	264	267
By industry and construction	645	663	626	654	657	662
By transport	..	..	..	..	..	..
By households and other cons.	1322	1382	1434	1511	1561	1622
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	754	726	740	741	738	781
Combustible fuels	694	666	680	680	677	718
Hydro	59	59	59	60	60	60
Nuclear	..	..	..	..	..	..
Other	*1	*1	*1	*1	1	3
Main activity	443	443	443	444	450	506
Combustible fuels	383	383	383	383	389	445
Hydro	59	59	59	60	60	60
Nuclear	..	..	..	..	..	..
Other	*1	*1	*1	*1	1	1
Combustible fuel input	Terajoules					
Hard Coal	14267	15738	14809	16589	15919	16744
Gas-diesel oil	129	86	129	86	86	86
Fuel oil	8120	6787	7716	7959	8686	8605
Other kerosene	44	88	219	263	175	131
Bagasse	8031	10046	8772	8803	8641	8324
Total input	30592	32745	31646	33700	33507	33891
Total production	8572	8816	8831	9310	9616	9784
Estimated efficiency (% of production to input)	28	27	28	28	29	29

Statistics on electricity

Mexico

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	257293	261918	261045	271050	295837	293862
Combustible fuels	211921	205602	216483	220162	241296	243707
Hydro	27276	39178	26713	37121	36266	31855
Nuclear	10421	9804	10501	5879	10089	8770
Other	7675	7334	7348	7888	8186	9530
Main activity	232479	235872	235106	242537	266359	261703
Combustible fuels	187364	179865	191171	193135	213610	214053
Hydro	27042	38892	26445	36739	35796	31317
Nuclear	10421	9804	10501	5879	10089	8770
Other	7652	7311	6989	6784	6864	7563
Own use in electricity, CHP and heat plants	11299	10200	11002	10979	16809	12392
Net production	245994	251718	250043	260071	279028	281470
Imports	277	351	346	397	596	2342
Exports	1451	1452	1249	1349	1164	6582
Losses	40504	41409	42452	44252	45602	44050
Consumption	205248	209930	208472	215344	233121	235884
Energy industries own use	6818	7607	7348	7397	7200	6077
By industry and construction	111156	112497	108004	115129	124077	130558
By transport	1089	1111	1116	1191	1122	1130
By households and other cons.	86185	88715	92004	91627	100722	98119
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	57839	58304	59693	62290	61600	62136
Combustible fuels	43817	44383	45320	47736	47070	46707
Hydro	11577	11471	11543	11626	11646	11650
Nuclear	1365	1365	1365	1365	1365	1610
Other	1080	1085	1465	1563	1519	2169
Main activity	51162	51106	51686	52946	52511	52534
Combustible fuels	37276	37348	37888	39028	38673	38015
Hydro	11476	11343	11383	11503	11499	11498
Nuclear	1365	1365	1365	1365	1365	1610
Other	1045	1050	1050	1050	974	1411
Combustible fuel input	Terajoules					
Brown Coal	205912	152530	191926	206822	218316	217294
Biogas	1048	1184	1633	1900	2154	1822
Gas-diesel oil	12556	16297	24123	18791	21930	26230
Fuel oil	477447	417978	390910	366347	411434	433330
Petroleum coke	33085	31915	31753	39163	37928	39293
Natural gas	1041752	1097019	1104105	1177440	1259001	1222429
Coke-oven gas	1356	960	822	838	691	505
Blast furnace gas	3132	4138	3587	4772	4649	3205
Vegetal waste	*46109	*42159	*45701	*45554	*43045	*53111
Total input	1822397	1764180	1794560	1861627	1999147	1997219
Total production	762916	740167	779339	792583	868666	877345
Estimated efficiency (% of production to input)	42	42	43	43	43	44

Statistics on electricity

Micronesia(Fed. States of)

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	70	66	70	70	66	*67
Combustible fuels	69	65	69	68	64	*65
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*1	*1	*1	*2	*2	*2
Main activity	70	66	70	70	66	*67
Combustible fuels	69	65	69	68	64	*65
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*1	*1	*1	*2	*2	*2
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	70	66	70	70	66	*67
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	14	13	14	14	13	*13
Consumption	*56	*53	*56	*56	*53	*54
Energy industries own use	..	..	..	..	..	..
By industry and construction	*4	*4	*4	*4	*4	*4
By transport	..	..	..	..	..	..
By households and other cons.	*52	*49	*52	*52	*49	*50
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	24	33	33	33	33	33
Combustible fuels	23	32	32	32	32	32
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*1	*1	*1	*2	*2	*2
Main activity	24	33	33	33	33	33
Combustible fuels	23	32	32	32	32	32
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*1	*1	*1	*2	*2	*2
Combustible fuel input	Terajoules					
Gas-diesel oil	718	659	730	731	673	*688
Total input	718	659	730	731	673	*688
Total production	247	233	249	246	230	*235
Estimated efficiency (% of production to input)	34	35	34	34	34	34

Statistics on electricity
Mongolia

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	3702	4001	4039	4313	4536	4816
Combustible fuels	3702	4001	4039	4313	4536	4816
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	3681	3977	4016	4285	4506	4786
Combustible fuels	3681	3977	4016	4285	4506	4786
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	615	653	649	672	691	712
Net production	3087	3348	3390	3641	3845	4104
Imports	195	198	157	263	276	366
Exports	10	16	18	22	24	21
Losses	442	436	494	505	644	675
Consumption	2830	3094	3034	3375	3454	3773
Energy industries own use	..	..	..	..	..	..
By industry and construction	1746	1918	1883	2094	2141	2339
By transport	117	129	126	140	144	157
By households and other cons.	967	1047	1025	1141	1169	1277
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	832	832	832	*832	*910	*910
Combustible fuels	832	832	832	*832	*910	*910
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	772	772	772	*772	*850	*850
Combustible fuels	772	772	772	*772	*850	*850
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Hard Coal	15583	13880	15067	13029	*13700	*14551
Brown Coal	59528	60368	62916	70406	68306	73318
Gas-diesel oil	1892	2064	2021	2408	3096	*2881
Fuel oil	323	283	202	202	283	283
Total input	77326	76595	80206	86045	85385	91033
Total production	13327	14404	14540	15527	16331	17336
Estimated efficiency (% of production to input)	17	19	18	18	19	19

Statistics on electricity
Montenegro

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	2144	2828	2760	4022	2656	2844
Combustible fuels	860	1289	689	1272	1452	1367
Hydro	1284	1539	2071	2750	1204	1477
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	2144	2828	2760	4022	2656	2844
Combustible fuels	860	1289	689	1272	1452	1367
Hydro	1284	1539	2071	2750	1204	1477
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	105	141	81	146	153	141
Net production	2039	2687	2679	3876	2503	2703
Imports	2167	1571	1151	732	1383	964
Exports	108	108	172	483	431	228
Losses	688	725	717	667	651	695
Consumption	3938	3738	3017	3211	3414	3220
Energy industries own use	..	..	..	..	..	..
By industry and construction	2758	2502	1694	1581	2162	1855
By transport	24	22	18	22	*20	*24
By households and other cons.	1156	1214	1305	1608	1232	1341
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	868	868	868	868	868	868
Combustible fuels	210	210	210	210	210	210
Hydro	658	658	658	658	658	658
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	868	868	868	868	868	868
Combustible fuels	210	210	210	210	210	210
Hydro	658	658	658	658	658	658
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Brown Coal	14910	22904	12250	25900	26600	23730
Total input	14910	22904	12250	25900	26600	23730
Total production	3096	4640	2480	4579	5227	4921
Estimated efficiency (% of production to input)	21	20	20	18	20	21

Statistics on electricity

Montserrat

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*23	*23	*23	*23	*23	*23
Combustible fuels	*23	*23	*23	*23	*23	*23
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*23	*23	*23	*23	*23	*23
Combustible fuels	*23	*23	*23	*23	*23	*23
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	*2	*2	*2	*2	*2	*2
Net production	*21	*21	*21	*21	*21	*21
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*2	*2	*2	*2	*2	*2
Consumption	*18	*19	*19	*19	*19	*19
Energy industries own use	..	..	..	..	..	..
By industry and construction	*9	*9	*9	*9	*9	*9
By transport	..	..	..	..	..	..
By households and other cons.	*9	*10	*10	*10	*10	*10
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*5	*5	*5	*5	*5	*5
Combustible fuels	*5	*5	*5	*5	*5	*5
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*5	*5	*5	*5	*5	*5
Combustible fuels	*5	*5	*5	*5	*5	*5
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	*258	*258	*258	*258	*258	*258
Total input	*258	*258	*258	*258	*258	*258
Total production	*81	*83	*83	*83	*83	*83
Estimated efficiency (% of production to input)	32	32	32	32	32	32

Statistics on electricity

Morocco

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	19670	20347	20935	22853	24364	26495
Combustible fuels	18073	18689	17592	18563	21533	23951
Hydro	1318	1360	2952	3631	2139	1816
Nuclear	..	..	..	..	..	..
Other	279	298	391	659	692	728
Main activity	19638	20307	20809	22700	24147	26356
Combustible fuels	18041	18649	17466	18410	21316	23812
Hydro	1318	1360	2952	3631	2139	1816
Nuclear	..	..	..	..	..	..
Other	279	298	391	659	692	728
Own use in electricity, CHP and heat plants	40	30	37	43	40	40
Net production	19630	20317	20898	22810	24324	26455
Imports	3507	4261	4623	3939	4607	4841
Exports	..	..	..	..	..	..
Losses	2024	2366	2632	2825	3082	3496
Consumption	21113	22212	22889	23924	25849	27800
Energy industries own use	529	574	505	219	179	241
By industry and construction	8442	8222	8505	9008	9741	*10700
By transport	342	226	230	280	303	301
By households and other cons.	11800	13190	13649	14417	15626	16558
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	5564	5564	6466	6679	6713	7013
Combustible fuels	3721	3721	4496	4688	4693	4993
Hydro	1729	1729	1749	1770	1770	1770
Nuclear	..	..	..	..	..	..
Other	114	114	221	221	250	250
Main activity	5292	5292	6135	6348	6377	6677
Combustible fuels	3449	3449	4165	4357	4357	4657
Hydro	1729	1729	1749	1770	1770	1770
Nuclear	..	..	..	..	..	..
Other	114	114	221	221	250	250
Combustible fuel input	Terajoules					
Hard Coal	124201	113572	105161	111353	117467	117829
Gas-diesel oil	0	3225	602	1419	1720	989
Fuel oil	29694	44521	39188	53207	64882	66066
Petroleum coke	3023	2340	1300	0	0	0
Natural gas	22790	20557	22818	24403	31203	42409
Total input	179708	184214	169069	190382	215273	227293
Total production	65063	67280	63331	66825	77520	86225
Estimated efficiency (% of production to input)	36	37	37	35	36	38

Statistics on electricity
Mozambique

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	16076	15127	16963	16666	16830	15166
Combustible fuels	13	13	13	19	20	21
Hydro	16063	15114	16950	16647	16810	15145
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	16076	15127	16963	16309	16482	14903
Combustible fuels	13	13	13	19	20	21
Hydro	16063	15114	16950	16290	16462	14882
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	134	121	143	144	149	210
Net production	15942	15006	16820	16522	16681	14956
Imports	8568	8207	8340	8533	8570	8304
Exports	12347	11212	12700	12075	11954	9791
Losses	2331	2244	2443	2457	2456	2243
Consumption	9245	9969	9569	9831	10141	10939
Energy industries own use	..	..	..	..	..	..
By industry and construction	8416	9025	8466	8574	8681	9448
By transport	..	..	..	..	..	..
By households and other cons.	829	944	1103	1257	1460	1491
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	2499	2428	2428	2478	2479	2486
Combustible fuels	249	249	249	249	249	249
Hydro	2250	2179	2179	2229	2230	2237
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	2499	2428	2428	2428	2429	2436
Combustible fuels	249	249	249	249	249	249
Hydro	2250	2179	2179	2179	2180	2187
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	43	..	..	..	..	..
Natural gas	114	120	170	215	304	357
Total input	157	120	170	215	304	357
Total production	47	47	47	68	72	76
Estimated efficiency (% of production to input)	30	39	28	32	24	21

Statistics on electricity
Myanmar

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	6398	6622	6964	8625	*10424	*10965
Combustible fuels	2780	2551	1708	2436	*2944	*3097
Hydro	3619	4071	5256	6189	*7480	*7868
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	6398	6622	6964	8625	*10424	*10965
Combustible fuels	2780	2551	1708	2436	*2944	*3097
Hydro	3619	4071	5256	6189	*7480	*7868
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	138	153	115	155	*184	*194
Net production	6260	6468	6849	8470	*10240	*10771
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	1822	1767	1856	2158	*2363	*2331
Consumption	4383	4648	4936	6246	*7877	*8440
Energy industries own use	..	..	..	..	..	..
By industry and construction	1872	1904	1850	2287	*3179	*3406
By transport	..	..	..	..	..	..
By households and other cons.	2511	2743	3086	3960	*4698	*5034
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	1717	1748	2544	3413	*3413	*3413
Combustible fuels	914	901	890	891	*891	*891
Hydro	803	847	1654	2522	*2522	*2522
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	1717	1748	2544	3413	*3413	*3413
Combustible fuels	914	901	890	891	*891	*891
Hydro	803	847	1654	2522	*2522	*2522
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Hard Coal	9546	6837	5263	7482	7482	7817
Gas-diesel oil	387	430	344	344	301	*301
Natural gas	27295	27382	17393	25029	22922	30948
Total input	37228	34649	23000	32855	30705	39066
Total production	10006	9182	6148	8770	*10599	*11149
Estimated efficiency (% of production to input)	27	27	27	27	35	29

Statistics on electricity

Namibia

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	1694	2097	1742	1488	1607	1538
Combustible fuels	130	682	313	224	9	67
Hydro	1564	1415	1429	1264	1598	1471
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	1694	2097	1742	1488	1607	1538
Combustible fuels	130	682	313	224	9	67
Hydro	1564	1415	1429	1264	1598	1471
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	1694	2097	1742	1488	1607	1538
Imports	2045	2147	2202	2462	2389	2226
Exports	40	47	144	207	79	88
Losses	480	369	266	367	*450	*450
Consumption	3219	3828	3534	3376	*3467	*3635
Energy industries own use	..	..	..	..	..	..
By industry and construction	629	663	639	673	*690	*662
By transport	..	..	..	..	..	..
By households and other cons.	2590	3165	2895	2703	*2777	*2973
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	395	*467	*467	*467	393	508
Combustible fuels	*20	*92	*92	*92	144	167
Hydro	375	*375	*375	*375	249	341
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	395	*467	*467	*467	393	508
Combustible fuels	*20	*92	*92	*92	144	167
Hydro	375	*375	*375	*375	249	341
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Hard Coal	1987	10655	4979	3509	877	3457
Gas-diesel oil	86	258	86	86	*86	*86
Total input	2073	10913	5065	3595	963	3543
Total production	468	2455	1127	806	32	241
Estimated efficiency (% of production to input)	23	22	22	22	3	7

Statistics on electricity

Nauru

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*20	19	21	23	23	24
Combustible fuels	*20	19	21	23	23	24
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*20	19	21	23	23	24
Combustible fuels	*20	19	21	23	23	24
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	*20	19	21	23	23	24
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*2	*2	*2	*2	*2	*2
Consumption	*18	*17	*19	*20	21	*21
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	*18	*17	*19	*20	21	*21
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*6	*6	*6	*6	5	5
Combustible fuels	*6	*6	*6	*6	5	5
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*6	*6	*6	*6	5	5
Combustible fuels	*6	*6	*6	*6	5	5
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	*217	222	236	269	276	283
Total input	*217	222	236	269	276	283
Total production	*72	70	76	81	83	85
Estimated efficiency (% of production to input)	33	31	32	30	30	30

Statistics on electricity
Nepal

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	2792	2812	3115	3208	3492	3552
Combustible fuels	9	9	13	3	2	19
Hydro	2783	2803	3102	3205	3490	3533
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	2761	2774	3073	3164	3433	3468
Combustible fuels	9	9	13	3	2	19
Hydro	2752	2765	3060	3161	3431	3449
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	31	31	37	30	32	33
Net production	2761	2781	3078	3178	3460	3519
Imports	425	356	639	694	746	793
Exports	60	46	75	31	4	4
Losses	845	896	1073	1101	1102	1066
Consumption	2282	2194	2567	2740	3099	3240
Energy industries own use	..	..	..	..	..	..
By industry and construction	901	846	960	1002	1124	1168
By transport	6	5	5	6	7	8
By households and other cons.	1375	1343	1602	1732	1968	2064
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*622	*625	*630	*630	*762	*762
Combustible fuels	*57	*57	*57	*57	53	53
Hydro	*565	*568	*573	*573	*709	*709
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*470	*472	*475	*475	*607	*607
Combustible fuels	*57	*57	*57	*57	53	53
Hydro	*413	*415	*418	*418	*554	*554
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Fuel oil	121	121	162	40	*40	*202
Total input	121	121	162	40	*40	*202
Total production	32	32	47	11	7	68
Estimated efficiency (% of production to input)	27	27	29	27	18	34

Statistics on electricity
Netherlands

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	105162	107645	113502	118140	112968	102505
Combustible fuels	97207	98928	104419	109859	103421	93103
Hydro	107	102	98	105	57	104
Nuclear	4200	4169	4228	3969	4141	3915
Other	3648	4446	4757	4207	5349	5383
Main activity	88560	84805	91712	95114	88779	78158
Combustible fuels	81464	77097	83689	87814	80843	70412
Hydro	107	102	98	105	57	104
Nuclear	4200	4169	4228	3969	4141	3915
Other	2789	3437	3697	3226	3738	3727
Own use in electricity, CHP and heat plants	4311	4269	4556	3795	3929	3856
Net production	100851	103376	108946	114345	109039	98649
Imports	23139	24967	15452	15583	20620	32156
Exports	5565	9116	10561	12807	11531	15046
Losses	4625	4659	4405	4450	4610	4490
Consumption	113800	114568	109432	112671	113518	111269
Energy industries own use	5349	5423	5482	5806	6050	4793
By industry and construction	42286	42151	36278	39069	39011	34712
By transport	1573	1612	1664	1728	1731	1795
By households and other cons.	64592	65382	66008	66068	66726	69969
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	23802	24875	25992	26686	28049	29920
Combustible fuels	21382	22050	23083	23743	24970	26518
Hydro	37	37	37	37	37	37
Nuclear	510	510	510	510	510	510
Other	1873	2278	2362	2396	2532	2855
Main activity	19112	19766	20685	21355	21791	23513
Combustible fuels	17143	17476	18336	18993	19609	21203
Hydro	37	37	37	37	37	37
Nuclear	510	510	510	510	510	510
Other	1422	1743	1802	1815	1635	1763
Combustible fuel input	Terajoules					
Hard Coal	223815	212050	216849	203175	190920	221054
Biogas	4135	5713	6979	7599	7465	6923
Gas-diesel oil	430	559	516	473	430	688
Refinery gas	20147	19206	16038	14999	18860	17127
Natural gas	515981	534632	573756	610476	542429	449058
Coke-oven gas	2591	2560	1800	1991	1834	2211
Blast furnace gas	25543	24098	16509	23632	25114	25059
Fuelwood	*12871	*18620	*27400	*30348	*26937	*27330
Vegetal waste	*5680	*7214	*7850	*10440	*10947	*11448
Municipal waste	50867	54627	54060	54121	59331	71060
Others	5634	7674	1043	544	283	201
Total input	867694	886953	922800	957798	884550	832159
Total production	349945	356141	375908	395492	372316	335171
Estimated efficiency (% of production to input)	40	40	41	41	42	40

Statistics on electricity

Netherlands Antilles

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	1256	1242	1298	1323	1325	1333
Combustible fuels	1256	1242	1298	1323	1325	1333
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	591	584	610	622	623	627
Combustible fuels	591	584	610	622	623	627
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	118	117	122	124	124	125
Net production	1138	1125	1176	1199	1201	1208
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	201	199	208	212	212	213
Consumption	937	926	968	987	989	995
Energy industries own use	..	..	..	..	..	..
By industry and construction	515	509	532	542	543	546
By transport	..	..	..	..	..	..
By households and other cons.	422	417	436	445	446	449
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*325	*325	*325	*325	*325	*325
Combustible fuels	*325	*325	*325	*325	*325	*325
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*192	*192	*192	*192	*192	*192
Combustible fuels	*192	*192	*192	*192	*192	*192
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Fuel oil	11676	11514	12039	12282	12282	12362
Total input	11676	11514	12039	12282	12282	12362
Total production	4522	4471	4673	4763	4770	4799
Estimated efficiency (% of production to input)	39	39	39	39	39	39

Statistics on electricity

New Caledonia

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	1926	1875	1939	2131	2256	2264
Combustible fuels	1499	1382	1491	1811	1833	1804
Hydro	390	458	406	265	375	399
Nuclear	..	..	..	..	..	..
Other	37	35	42	54	49	61
Main activity	1926	1875	1939	2131	2256	2264
Combustible fuels	1499	1382	1491	1811	1833	1804
Hydro	390	458	406	265	375	399
Nuclear	..	..	..	..	..	..
Other	37	35	42	54	49	61
Own use in electricity, CHP and heat plants	92	4	5	5	5	6
Net production	1834	1871	1934	2125	2251	2259
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	..	70	36	*39	*41	*41
Consumption	*1834	2446	1820	2085	2195	*2195
Energy industries own use	..	..	..	..	..	..
By industry and construction	*1247	1793	1158	1389	1454	*1454
By transport	..	..	..	..	..	..
By households and other cons.	*587	653	662	696	741	*741
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	391	447	493	500	494	*494
Combustible fuels	283	333	383	383	376	*376
Hydro	78	78	78	78	78	*78
Nuclear	..	..	..	..	..	..
Other	30	36	32	39	40	*40
Main activity	391	447	493	500	494	*494
Combustible fuels	283	333	383	383	376	*376
Hydro	78	78	78	78	78	*78
Nuclear	..	..	..	..	..	..
Other	30	36	32	39	40	*40
Combustible fuel input	Terajoules					
Fuel oil	*14140	*13494	17291	*18374	*18242	*18320
Total input	*14140	*13494	17291	*18374	*18242	*18320
Total production	5396	4975	5368	6520	6598	6493
Estimated efficiency (% of production to input)	38	37	31	35	36	35

Statistics on electricity

New Zealand

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	43749	43838	43453	44876	44465	44295
Combustible fuels	15569	16180	12834	12583	11218	13092
Hydro	23638	22336	24221	24716	25114	22894
Nuclear	..	..	..	..	..	..
Other	4542	5322	6398	7577	8133	8309
Main activity	42390	42514	42136	43485	43177	42932
Combustible fuels	14327	14975	11640	11319	10059	11839
Hydro	23630	22329	24209	24704	25102	22882
Nuclear	..	..	..	..	..	..
Other	4433	5210	6287	7462	8016	8211
Own use in electricity, CHP and heat plants	1464	1532	1373	1419	1357	1454
Net production	42285	42306	42080	43457	43108	42841
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	3029	3130	2992	3101	3009	2976
Consumption	39441	38747	38542	39630	39690	39206
Energy industries own use	555	497	504	521	551	565
By industry and construction	14684	13936	13160	14058	14850	14162
By transport	62	57	58	60	62	63
By households and other cons.	24140	24257	24820	24991	24227	24416
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	9413	9367	9395	9630	9740	9494
Combustible fuels	3273	3061	2922	3118	3118	2868
Hydro	5348	5371	5325	5250	5250	5254
Nuclear	..	..	..	..	..	..
Other	792	935	1148	1262	1372	1372
Main activity	9153	9106	9142	9379	9489	9243
Combustible fuels	3044	2832	2699	2897	2897	2647
Hydro	5346	5368	5322	5247	5247	5251
Nuclear	..	..	..	..	..	..
Other	763	906	1121	1235	1345	1345
Combustible fuel input	Terajoules					
Brown Coal	16632	27678	18088	9170	10906	19152
Biogas	2487	2354	2498	2534	2720	2776
Gas-diesel oil	0	1333	86	0	0	43
Natural gas	97928	84171	71231	81987	70248	72970
Coke-oven gas	2225	2101	1907	2181	1836	1846
Blast furnace gas	5139	4950	4857	5591	4921	5530
Fuelwood	3427	3546	3858	3976	3997	3860
Total input	127838	126133	102525	105439	94628	106177
Total production	56048	58248	46202	45299	40385	47131
Estimated efficiency (% of production to input)	44	46	45	43	43	44

Statistics on electricity

Nicaragua

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	3208	3361	3453	3659	3824	4031
Combustible fuels	2659	2505	2749	2690	2896	2759
Hydro	306	534	297	504	444	419
Nuclear	..	..	..	..	..	..
Other	243	322	407	465	484	853
Main activity	2784	2975	3048	3230	3405	3529
Combustible fuels	2235	2119	2344	2261	2477	2258
Hydro	306	534	297	504	444	418
Nuclear	..	..	..	..	..	..
Other	243	322	407	465	484	853
Own use in electricity, CHP and heat plants	249	238	227	299	306	352
Net production	2959	3123	3226	3360	3518	3679
Imports	64	28	2	10	10	20
Exports	0	0	2	43	41	3
Losses	709	715	710	676	674	642
Consumption	2326	2472	2520	2641	2821	2944
Energy industries own use	..	..	..	..	..	..
By industry and construction	710	787	792	928	1010	1078
By transport	..	..	..	..	..	..
By households and other cons.	1616	1685	1728	1713	1811	1866
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	840	896	982	1073	1129	1207
Combustible fuels	648	703	749	817	871	871
Hydro	104	105	105	105	105	106
Nuclear	..	..	..	..	..	..
Other	88	88	128	151	153	230
Main activity	713	769	860	1011	1066	1144
Combustible fuels	521	576	627	755	808	808
Hydro	104	105	105	105	105	106
Nuclear	..	..	..	..	..	..
Other	88	88	128	151	153	230
Combustible fuel input	Terajoules					
Gas-diesel oil	3010	1161	817	559	602	602
Fuel oil	19028	19513	21533	20968	22422	20362
Fuelwood	*556	*449	*472	*461	*583	*421
Bagasse	*2380	*2438	*2565	*2919	*2819	*2567
Total input	24974	23561	25387	24907	26426	23952
Total production	9572	9018	9896	9684	10426	9932
Estimated efficiency (% of production to input)	38	38	39	39	39	41

Statistics on electricity

Niger

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	222	226	254	291	295	421
Combustible fuels	222	226	254	291	295	421
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Main activity	195	213	234	269	273	399
Combustible fuels	195	213	234	269	273	399
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	36	39	37	42	*42	61
Net production	186	187	217	249	253	360
Imports	450	493	481	653	616	573
Exports	2	2	2	2	3	4
Losses	98	90	115	114	*124	*133
Consumption	530	571	597	687	694	*796
Energy industries own use	..	..	..	..	..	..
By industry and construction	208	205	187	195	203	*239
By transport	..	..	..	..	..	..
By households and other cons.	322	366	411	492	491	*557
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	134	134	135	*135	*135	*135
Combustible fuels	133	133	134	*134	*134	*134
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	1	1	*1	*1	*1
Main activity	104	104	105	*105	*105	*105
Combustible fuels	104	104	105	*105	*105	*105
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Hard Coal	3756	4169	4458	4954	5441	5586
Gas-diesel oil	262	154	243	302	*301	*301
Total input	4018	4323	4702	5255	5742	5887
Total production	799	812	914	1047	1063	1517
Estimated efficiency (% of production to input)	20	19	19	20	19	26

Statistics on electricity
Nigeria

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	22978	21110	19777	26121	27034	28706
Combustible fuels	16751	15389	15248	19747	21151	23047
Hydro	6227	5721	4529	6374	5883	5659
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	17027	15642	14655	19356	20032	21271
Combustible fuels	10927	10038	10218	13112	14269	15727
Hydro	6100	5604	4437	6244	5763	5544
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	657	604	566	748	774	822
Net production	22321	20506	19211	25373	26260	27884
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	2650	1989	1160	4497	2581	2485
Consumption	19671	18517	18051	20876	23679	25399
Energy industries own use	200	201	140	216	232	240
By industry and construction	4128	3502	3109	3249	3699	3983
By transport	..	..	..	..	..	..
By households and other cons.	15343	14814	14802	17411	19748	21176
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*7960	*8469	*8694	*8417	*8902	*8902
Combustible fuels	*6022	*6531	*6764	*6487	*6972	*6972
Hydro	*1938	*1938	*1930	*1930	*1930	*1930
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*6113	*6470	*6625	*6431	*6770	*6770
Combustible fuels	*4215	*4572	*4735	*4541	*4880	*4880
Hydro	*1898	*1898	*1890	*1890	*1890	*1890
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Natural gas	167510	153890	152480	197470	211510	230470
Total input	167510	153890	152480	197470	211510	230470
Total production	60304	55400	54893	71089	76144	82969
Estimated efficiency (% of production to input)	36	36	36	36	36	36

Statistics on electricity
Niue

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*3	*3	*3	*3	*3	*3
Combustible fuels	*3	*3	*3	*3	*3	*3
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*3	*3	*3	*3	*3	*3
Combustible fuels	*3	*3	*3	*3	*3	*3
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	*3	*3	*3	*3	*3	*3
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	..	..	..	..	..	..
Consumption	*3	*3	*3	*3	*3	*3
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	*3	*3	*3	*3	*3	*3
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*1	*1	*1	*1	*1	*1
Combustible fuels	*1	*1	*1	*1	*1	*1
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*1	*1	*1	*1	*1	*1
Combustible fuels	*1	*1	*1	*1	*1	*1
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	*33	*33	*33	*33	*33	*33
Total input	*33	*33	*33	*33	*33	*33
Total production	*11	*11	*11	*11	*11	*11
Estimated efficiency (% of production to input)	33	33	33	33	33	33

Statistics on electricity

Northern Mariana Islands

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	384	*394	*397	*400	*400	*400
Combustible fuels	384	*394	*397	*400	*400	*400
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	384	*394	*397	*400	*400	*400
Combustible fuels	384	*394	*397	*400	*400	*400
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	384	*394	*397	*400	*400	*400
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	86	*88	*89	*90	*90	*90
Consumption	298	*304	*308	*310	*310	*310
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	298	*304	*308	*310	*310	*310
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	59	*59	*59	*59	*59	*59
Combustible fuels	59	*59	*59	*59	*59	*59
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	59	*59	*59	*59	*59	*59
Combustible fuels	59	*59	*59	*59	*59	*59
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Total input	..	..	..	..	..	..
Total production	1382	*1417	*1429	*1440	*1440	*1440
Estimated efficiency (% of production to input)	..	..	..	..	..	..

Statistics on electricity

Norway

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	137192	142134	131773	123640	127632	147845
Combustible fuels	1389	1070	4644	5454	4716	3323
Hydro	134736	139981	126077	117152	121552	142964
Nuclear	..	..	..	..	..	..
Other	1067	1083	1052	1034	1364	1558
Main activity	130522	135313	122260	113590	118094	139758
Combustible fuels	265	265	208	303	337	364
Hydro	129313	134093	121070	112379	116451	137838
Nuclear	..	..	..	..	..	..
Other	944	955	982	908	1306	1556
Own use in electricity, CHP and heat plants	556	637	608	569	570	544
Net production	136636	141497	131165	123071	127062	147301
Imports	5285	3412	5651	14673	11255	4190
Exports	15320	17275	14634	7124	14329	22006
Losses	10111	9704	7578	9491	8109	11301
Consumption	115759	117258	113709	120283	115215	117257
Energy industries own use	5107	5237	6422	6832	7826	8433
By industry and construction	49658	50656	41289	44544	44043	43816
By transport	639	684	660	690	689	690
By households and other cons.	60355	60681	65338	68217	62657	64318
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	30001	30565	31264	31697	32091	32283
Combustible fuels	653	714	1258	1535	1566	1566
Hydro	28957	29413	29539	29693	29969	29969
Nuclear	..	..	..	..	..	..
Other	391	438	467	469	556	748
Main activity	28975	29459	29616	29614	30008	30199
Combustible fuels	525	526	529	542	573	573
Hydro	28089	28525	28651	28634	28910	28910
Nuclear	..	..	..	..	..	..
Other	361	408	436	438	525	716
Combustible fuel input	Terajoules					
Hard Coal	697	568	671	671	645	568
Biogas	86	156	85	88	82	81
Gas-diesel oil	172	129	129	129	129	172
Liquefied petroleum gas	0	0	0	0	0	0
Refinery gas	..	..	..	..	0	0
Natural gas	5194	2731	25481	36196	27350	17741
Blast furnace gas	483	484	292	329	523	694
Fuelwood	1638	1680	866	1271	1286	1350
Municipal waste	3780	4140	3146	6880	8910	9500
Industrial waste	113	103	60	115	115	295
Total input	12163	9991	30730	45679	39040	30401
Total production	5000	3852	16718	19634	16978	11963
Estimated efficiency (% of production to input)	41	39	54	43	43	39

Statistics on electricity

Oman

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	14167	15829	17823	19819	21354	25017
Combustible fuels	14167	15829	17823	19819	21354	25017
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	14167	15829	17823	19819	21354	25017
Combustible fuels	14167	15829	17823	19819	21354	25017
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	2503	2385	2704	881	520	652
Net production	11664	13444	15119	18938	20834	24365
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	1935	2089	2299	3312	2842	3410
Consumption	11309	12850	14482	16128	18512	20956
Energy industries own use	116	..	..	..	..	..
By industry and construction	762	983	1175	1540	2583	3436
By transport	..	..	..	..	..	..
By households and other cons.	10431	11867	13307	14588	15929	17520
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	3420	3859	4202	4265	4861	5808
Combustible fuels	3420	3859	4202	4265	4861	5808
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	3420	3859	4202	4265	4861	5808
Combustible fuels	3420	3859	4202	4265	4861	5808
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	3526	3741	4601	5461	5676	6278
Natural gas	192940	208989	231588	241121	264024	296212
Total input	196466	212730	236189	246582	269700	302490
Total production	51001	56984	64163	71348	76874	90061
Estimated efficiency (% of production to input)	26	27	27	29	29	30

Statistics on electricity
Pakistan

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	95661	91616	95358	94383	95090	*96126
Combustible fuels	63877	62214	64371	59152	61308	*61716
Hydro	28707	27784	28093	31811	28517	*29857
Nuclear	3077	1618	2894	3420	5265	*4553
Other	..	..	..	..	..	..
Main activity	60430	57185	58544	57169	55416	*55952
Combustible fuels	28646	27783	27557	21938	21634	*21542
Hydro	28707	27784	28093	31811	28517	*29857
Nuclear	3077	1618	2894	3420	5265	*4553
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	3718	2077	2303	2239	2550	*3341
Net production	91943	89539	93055	92144	92540	*92785
Imports	199	227	249	269	274	*375
Exports	..	..	..	..	..	..
Losses	18742	19396	18957	15315	16054	*16372
Consumption	73400	70372	74347	77099	76761	*76788
Energy industries own use	..	..	..	..	..	..
By industry and construction	20729	19330	19823	21207	21801	*22313
By transport	8	5	2	1	1	0
By households and other cons.	52663	51037	54522	55891	54959	*54475
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	19420	19785	20921	22477	22797	*23914
Combustible fuels	12478	12842	13978	15209	15454	*16488
Hydro	6480	6481	6481	6481	6556	*6541
Nuclear	462	462	462	787	787	*885
Other	..	..	..	..	..	..
Main activity	13598	13798	13798	14114	14444	*14553
Combustible fuels	6656	6855	6855	6846	7101	*7127
Hydro	6480	6481	6481	6481	6556	*6541
Nuclear	462	462	462	787	787	*885
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Hard Coal	4180	2915	3225	2477	2709	*1625
Gas-diesel oil	6846	7112	10737	4300	8308	*8944
Fuel oil	279730	299162	346010	324776	299021	*306353
Natural gas	375387	346089	314128	287024	297593	*313145
Total input	666142	655279	674100	618576	607630	*630068
Total production	229957	223970	231736	212947	220709	*222178
Estimated efficiency (% of production to input)	35	34	34	34	36	35

Statistics on electricity

Palau

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*118	*109	*101	*98	*96	*96
Combustible fuels	*100	*91	*83	*80	*78	*78
Hydro	*18	*18	*18	*18	*18	*18
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*112	*103	*95	*92	*90	*90
Combustible fuels	*94	*85	*77	*74	*72	*72
Hydro	*18	*18	*18	*18	*18	*18
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	*5	*5	*5	*5	*5	*5
Net production	*113	*104	*96	*93	*91	*91
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*20	*20	*20	*20	*20	*20
Consumption	93	84	76	73	71	*71
Energy industries own use	..	..	..	..	..	..
By industry and construction	*10	*10	*10	*6	6	*6
By transport	..	..	..	..	..	..
By households and other cons.	83	74	66	67	65	*65
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*52	*52	*52	*52	*52	*52
Combustible fuels	*42	*42	*42	*42	*42	*42
Hydro	*10	*10	*10	*10	*10	*10
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*50	*50	*50	*50	*50	*50
Combustible fuels	*40	*40	*40	*40	*40	*40
Hydro	*10	*10	*10	*10	*10	*10
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	*258	*258	*258	*262	*267	*267
Fuel oil	*1172	*1172	*1172	*1252	*1273	*1273
Total input	*1430	*1430	*1430	*1515	*1539	*1539
Total production	*359	*328	*298	*289	*279	*279
Estimated efficiency (% of production to input)	25	23	21	19	18	18

Statistics on electricity
Panama

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	6457	6428	6909	7419	7857	8606
Combustible fuels	2751	2456	3012	3225	3759	3218
Hydro	3706	3972	3897	4194	4098	5388
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	6431	6409	6892	7397	7834	8580
Combustible fuels	2725	2437	2995	3203	3736	3192
Hydro	3706	3972	3897	4194	4098	5388
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	7	7	7	7	8	8
Net production	6450	6421	6902	7412	7849	8598
Imports	9	105	64	71	72	19
Exports	125	32	95	39	8	59
Losses	1036	908	908	1080	1080	1177
Consumption	5379	5567	6018	6388	6695	7176
Energy industries own use	..	..	..	..	..	..
By industry and construction	375	506	570	651	660	695
By transport	..	..	..	..	..	..
By households and other cons.	5004	5061	5448	5737	6035	6481
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	1511	1658	1819	1976	2391	2422
Combustible fuels	717	789	940	1040	1040	954
Hydro	794	869	879	936	1351	1468
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	1321	1453	1603	1752	2167	2198
Combustible fuels	584	646	785	881	881	795
Hydro	737	807	818	871	1286	1403
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Hard Coal	..	..	..	..	6115	8333
Gas-diesel oil	7998	4945	5203	8084	10062	3010
Fuel oil	19150	18261	22503	21695	20038	18301
Bagasse	2274	2439	1992	2189	2221	2476
Total input	29422	25645	29698	31968	38436	32121
Total production	9904	8842	10843	11610	13534	11583
Estimated efficiency (% of production to input)	34	34	37	36	35	36

Statistics on electricity
Papua New Guinea

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	3112	3131	3341	3425	3525	*3525
Combustible fuels	2249	2276	2487	2439	2539	*2539
Hydro	863	855	854	987	987	*987
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	831	725	770	960	960	*960
Combustible fuels	319	230	276	334	334	*334
Hydro	512	495	494	627	627	*627
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	105	105	111	100	102	*102
Net production	3007	3026	3230	3325	3423	*3423
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*240	*240	190	196	196	*196
Consumption	*2905	*2930	3440	3529	3628	*3628
Energy industries own use	..	..	..	..	..	..
By industry and construction	*2026	*2045	2605	2667	2731	*2731
By transport	..	..	..	..	..	..
By households and other cons.	*879	*885	*835	*862	*897	*897
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*666	*666	*666	*691	*691	*691
Combustible fuels	*428	*428	*428	*437	*437	*437
Hydro	*238	*238	*238	254	254	*254
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*272	*272	*272	273	273	*273
Combustible fuels	*109	*109	*109	118	118	*118
Hydro	*163	*163	*163	155	155	*155
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	10105	9460	11180	10320	10965	*10965
Fuel oil	11716	12120	12605	12524	12928	*12928
Natural gas	5205	5658	5658	5658	5896	*5896
Total input	27026	27238	29443	28502	29789	*29789
Total production	8096	8194	8951	8779	9139	*9139
Estimated efficiency (% of production to input)	30	30	30	31	31	31

Statistics on electricity
Paraguay

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	53715	55454	54950	54066	57625	60235
Combustible fuels	1	1	1	1	1	1
Hydro	53714	55454	54949	54065	57624	60234
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	53715	55454	54950	54066	57625	60235
Combustible fuels	1	1	1	1	1	1
Hydro	53714	55454	54949	54065	57624	60234
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	291	274	245	456	501	504
Net production	53424	55181	54705	53610	57124	59730
Imports	0	0	0	0	0	0
Exports	45127	46292	45123	43378	46120	47663
Losses	2718	2913	3130	3362	3433	3845
Consumption	5579	5975	6451	6870	7571	8222
Energy industries own use	..	..	..	..	..	..
By industry and construction	2514	2672	2736	2889	3114	3343
By transport	..	..	..	..	..	..
By households and other cons.	3065	3302	3716	3980	4456	4879
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	8116	8116	8816	8816	8816	8816
Combustible fuels	6	6	6	6	6	6
Hydro	8110	8110	8810	8810	8810	8810
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	8116	8116	8816	8816	8816	8816
Combustible fuels	6	6	6	6	6	6
Hydro	8110	8110	8810	8810	8810	8810
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	4	4	4	5	6	22
Total input	4	4	4	5	6	22
Total production	2	2	2	3	3	3
Estimated efficiency (% of production to input)	59	53	54	56	48	15

Statistics on electricity

Peru

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	29931	32430	32929	35890	39223	39909
Combustible fuels	10381	13389	13437	15847	17635	18534
Hydro	19549	19040	19491	20042	21587	21354
Nuclear	..	..	..	..	..	..
Other	1	1	1	1	1	21
Main activity	28189	30562	30907	33529	36278	37351
Combustible fuels	9081	11953	11899	13970	15232	16464
Hydro	19107	18608	19007	19558	21045	20866
Nuclear	..	..	..	..	..	..
Other	1	1	1	1	1	21
Own use in electricity, CHP and heat plants	493	535	499	563	332	564
Net production	29438	31895	32430	35327	38891	39345
Imports	0	0	0	0	6	5
Exports	0	0	63	112	0	2
Losses	2540	2658	2686	3634	2277	3380
Consumption	26898	29238	29681	34297	36619	35969
Energy industries own use	..	..	..	..	..	..
By industry and construction	14748	16031	15538	16789	18060	19027
By transport	0	0	0	2715	3415	3
By households and other cons.	12150	13207	14143	14793	15144	16939
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	7029	7158	7983	8614	8556	9994
Combustible fuels	3795	3915	4709	5175	5103	6490
Hydro	3233	3242	3273	3438	3452	3414
Nuclear	..	..	..	..	..	..
Other	1	1	1	1	1	90
Main activity	5991	5998	6724	7310	7312	8790
Combustible fuels	2845	2845	3540	3964	3952	5363
Hydro	3145	3152	3183	3345	3359	3337
Nuclear	..	..	..	..	..	..
Other	1	1	1	1	1	90
Combustible fuel input	Terajoules					
Hard Coal	8566	9262	9520	10578	7766	8849
Biogas	0	0	0	0	0	877
Gas-diesel oil	7138	10535	7353	7095	7525	7869
Fuel oil	8045	16281	13776	18988	21897	8201
Refinery gas	1238	198	198	198	1238	1238
Natural gas	67978	94979	114228	145576	170333	182764
Vegetal waste	6006	5549	6622	8358	8268	4977
Biodiesel	0	0	110	258	405	442
Total input	98970	136804	151808	191051	217431	215217
Total production	37372	48200	48373	57049	63486	66722
Estimated efficiency (% of production to input)	38	35	32	30	29	31

Statistics on electricity
Philippines

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	59646	60855	61968	67777	69210	72956
Combustible fuels	40792	40210	41774	49964	49463	52360
Hydro	8580	9860	9805	7820	9715	10269
Nuclear	..	..	..	..	..	..
Other	10274	10785	10389	9992	10032	10327
Main activity	59612	60821	61934	67743	69176	72922
Combustible fuels	40775	40193	41757	49947	49446	52343
Hydro	8563	9843	9788	7803	9698	10252
Nuclear	..	..	..	..	..	..
Other	10274	10785	10389	9992	10032	10327
Own use in electricity, CHP and heat plants	3994	3935	3524	4677	5399	5351
Net production	55652	56920	58444	63100	63811	67605
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	7608	7680	7542	7800	7680	8360
Consumption	48009	49205	50868	55266	56098	59211
Energy industries own use	..	..	..	..	..	..
By industry and construction	16522	17031	17084	18576	19334	20071
By transport	107	111	111	109	111	117
By households and other cons.	31380	32063	33673	36581	36653	39023
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	15962	15706	15635	16386	16189	17052
Combustible fuels	10673	10407	10311	10931	10782	11514
Hydro	3305	3307	3307	3416	3507	3537
Nuclear	..	..	..	..	..	..
Other	1984	1992	2017	2039	1900	2001
Main activity	15936	15680	15609	16360	16163	17026
Combustible fuels	10663	10397	10301	10921	10772	11504
Hydro	3289	3291	3291	3400	3491	3521
Nuclear	..	..	..	..	..	..
Other	1984	1992	2017	2039	1900	2001
Combustible fuel input	Terajoules					
Brown Coal	105357	118259	117831	135003	153457	167122
Gas-diesel oil	7882	10286	11507	14573	7994	8544
Fuel oil	41198	32821	38764	48617	25973	32869
Natural gas	129031	140347	146914	137502	147207	142021
Bagasse	..	..	..	180	998	2035
Municipal waste	..	..	167	175	533	450
Biodiesel	..	78	204	256	55	152
Total input	283469	301791	315387	336307	336217	353193
Total production	146849	144756	150387	179871	178068	188497
Estimated efficiency (% of production to input)	52	48	48	53	53	53

Statistics on electricity

Poland

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	159348	155305	151720	157657	163548	162139
Combustible fuels	155887	151721	147669	152505	157582	154926
Hydro	2939	2747	2974	3488	2761	2465
Nuclear	..	..	..	..	..	..
Other	522	837	1077	1664	3205	4748
Main activity	151483	148564	144838	149691	155206	153690
Combustible fuels	148024	144982	140789	144541	149242	146480
Hydro	2937	2745	2972	3486	2759	2463
Nuclear	..	..	..	..	..	..
Other	522	837	1077	1664	3205	4747
Own use in electricity, CHP and heat plants	13965	13831	13829	14209	14761	14576
Net production	145383	141474	137891	143448	148787	147563
Imports	7761	9034	7403	6310	6780	9803
Exports	13109	9703	9594	7664	12022	12643
Losses	14416	12589	12533	11851	10638	10884
Consumption	125619	128216	123167	130243	132907	133839
Energy industries own use	11089	10584	10450	11172	10973	11193
By industry and construction	45787	44255	39801	41830	44573	45190
By transport	3679	3544	3220	3338	3317	3200
By households and other cons.	65064	69833	69696	73903	74044	74256
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	32497	32677	33032	33360	34554	35283
Combustible fuels	29863	29816	29985	29910	30407	30367
Hydro	2328	2335	2338	2342	2346	2351
Nuclear	..	..	..	..	..	..
Other	306	526	709	1108	1801	2565
Main activity	30554	31054	31375	31564	32823	33514
Combustible fuels	27921	28194	28329	28115	28678	28600
Hydro	2327	2334	2337	2341	2345	2350
Nuclear	..	..	..	..	..	..
Other	306	526	709	1108	1800	2564
Combustible fuel input	Terajoules					
Hard Coal	1226506	1125370	1071164	1137058	1137238	1042578
Brown Coal	796110	820582	784364	779758	864766	886018
Biogas	2301	3017	3096	3638	4424	3665
Fuel oil	20685	19715	18907	21291	22705	19594
Natural gas	43709	44900	45628	45178	53842	59353
Coke-oven gas	21346	23570	18525	25174	23055	22375
Blast furnace gas	5965	9766	7443	9793	10998	11174
Fuelwood	*17510	*26794	*40896	*47153	*56619	65251
Vegetal waste	*6227	*9360	*12251	*17088	*21502	*39850
Other recovered gases	..	3775	4249	4379	4772	4809
Others	6356	3005	3438	3499	4096	3655
Total input	2146715	2089854	2009961	2094008	2204017	2158322
Total production	561193	546196	531608	549018	567295	557734
Estimated efficiency (% of production to input)	26	26	26	26	26	26

Statistics on electricity
Portugal

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	47253	45969	50207	54090	52463	46614
Combustible fuels	32542	32686	33277	27950	30693	29151
Hydro	10449	7296	9009	16547	12115	6660
Nuclear	..	..	..	..	..	..
Other	4262	5987	7921	9593	9655	10803
Main activity	40868	39927	43692	46347	44117	38270
Combustible fuels	26169	26658	26778	20229	22443	20967
Hydro	10437	7282	8993	16528	12101	6650
Nuclear	..	..	..	..	..	..
Other	4262	5987	7921	9590	9573	10653
Own use in electricity, CHP and heat plants	1345	1390	1489	1308	1335	1361
Net production	45908	44579	48718	52782	51128	45253
Imports	9641	10744	7598	5814	6742	10766
Exports	2153	1313	2822	3191	3929	2871
Losses	3180	4184	3792	4280	4090	4707
Consumption	50216	49826	49702	51125	49851	48441
Energy industries own use	1192	1474	1847	1237	1487	2200
By industry and construction	17991	17617	16173	17468	16957	15932
By transport	498	502	483	475	404	401
By households and other cons.	30535	30233	31199	31945	31003	29908
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	15003	15766	17403	18932	19924	19752
Combustible fuels	7692	7767	8846	9871	9936	9360
Hydro	5061	5058	5091	5106	5535	5717
Nuclear	..	..	..	..	..	..
Other	2250	2941	3466	3955	4453	4675
Main activity	13559	14264	15718	17106	17969	17640
Combustible fuels	6253	6270	7167	8051	8051	7357
Hydro	5056	5053	5085	5100	5529	5711
Nuclear	..	..	..	..	..	..
Other	2250	2941	3466	3955	4389	4572
Combustible fuel input	Terajoules					
Hard Coal	114629	104026	119660	67338	95254	124769
Biogas	660	962	996	1287	1883	2362
Gas-diesel oil	860	903	946	989	860	860
Fuel oil	42299	37168	29856	23109	19796	15958
Refinery gas	1040	1139	941	1485	743	941
Natural gas	104365	118841	119662	129071	127891	98507
Vegetal waste	*7682	*7143	*8058	*8115	8748	*13827
Municipal waste	7870	7652	8293	8030	8245	7197
Industrial waste	100	116	83	343	216	127
Total input	279505	277949	288495	239767	263635	264547
Total production	117151	117670	119797	100620	110495	104944
Estimated efficiency (% of production to input)	42	42	42	42	42	40

Statistics on electricity
Puerto Rico

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	24636	23117	22949	23247	22257	22306
Combustible fuels	24472	22961	22793	23087	22035	22083
Hydro	164	156	156	160	223	223
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	24386	22867	22699	22997	22007	22056
Combustible fuels	24222	22711	22543	22837	21785	21833
Hydro	164	156	156	160	223	223
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	918	846	926	1028	974	1009
Net production	23718	22271	22023	22219	21284	21297
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*1800	*1780	*1744	*1750	*1676	*1677
Consumption	20231	19040	18704	18984	18251	18324
Energy industries own use	..	..	..	..	..	..
By industry and construction	3938	3544	3094	2968	2832	2683
By transport	..	..	..	..	..	..
By households and other cons.	16293	15496	15610	16016	15419	15641
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*5515	*5515	*5571	*5571	*5571	*5571
Combustible fuels	*5351	*5359	*5415	*5415	*5415	*5415
Hydro	164	156	*156	*156	*156	*156
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*5454	*5454	*5510	*5510	*5510	*5510
Combustible fuels	*5290	*5298	*5354	*5354	*5354	*5354
Hydro	164	156	*156	*156	*156	*156
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Fuel oil	*209676	*210565	*203778	*179699	*158449	158449
Natural gas	28730	31474	29527	30003	29266	*29266
Total input	*238406	*242039	*233305	*209702	*187715	187715
Total production	88099	82660	82055	83113	79325	79497
Estimated efficiency (% of production to input)	37	34	35	40	42	42

Statistics on electricity

Qatar

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	19462	21616	24158	28144	30730	34787
Combustible fuels	19462	21616	24158	28144	30730	34787
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	3999	3651	3037	2422	2360	2988
Combustible fuels	3999	3651	3037	2422	2360	2988
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	1549	1869	1510	1759	2347	2436
Net production	17913	19747	22648	26385	28383	32351
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	1388	1530	1517	1767	624	2168
Consumption	16525	18217	21131	24618	27759	30184
Energy industries own use	..	..	..	..	..	..
By industry and construction	4491	4880	6327	7773	9089	9798
By transport	..	..	..	..	..	..
By households and other cons.	12034	13337	14804	16845	18670	20386
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	3164	*4314	*5321	7830	7830	7830
Combustible fuels	3164	*4314	*5321	7830	7830	7830
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*756	*756	*1650	2398	2398	2398
Combustible fuels	*756	*756	*1650	2398	2398	2398
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Natural gas	219082	229779	243900	276270	299648	341440
Total input	219082	229779	243900	276270	299648	341440
Total production	70063	77818	86969	101318	110628	125233
Estimated efficiency (% of production to input)	32	34	36	37	37	37

Statistics on electricity
Republic of Moldova

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	1100	1096	1033	1064	1016	932
Combustible fuels	1067	1014	978	985	940	898
Hydro	33	82	55	79	76	34
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	1058	1045	1012	1026	982	900
Combustible fuels	1025	963	957	947	906	866
Hydro	33	82	55	79	76	34
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	161	150	146	141	136	129
Net production	939	946	887	923	880	803
Imports	2931	2958	2941	3033	3145	3279
Exports	0	..	..	..	..	..
Losses	506	630	450	468	453	446
Consumption	3364	3274	3378	3488	3571	3636
Energy industries own use	209	44	197	200	191	166
By industry and construction	855	764	688	790	815	845
By transport	65	62	50	46	50	54
By households and other cons.	2235	2404	2443	2452	2515	2571
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	504	503	504	502	503	487
Combustible fuels	488	487	488	486	487	471
Hydro	16	16	16	16	16	16
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	346	346	346	346	346	346
Combustible fuels	330	330	330	330	330	330
Hydro	16	16	16	16	16	16
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Hard Coal	0	0	0	0	0	0
Gas-diesel oil	0	0	0	0	0	0
Fuel oil	121	364	970	808	606	40
Other oil products	0	0	0	0	0	0
Natural gas	15319	14975	13310	13806	13070	12691
Vegetal waste	0	0	0	0	0	0
Industrial waste	0	0	0	0	0	0
Total input	15440	15339	14280	14614	13676	12731
Total production	3841	3650	3521	3546	3384	3233
Estimated efficiency (% of production to input)	25	24	25	24	25	25

Statistics on electricity
Réunion

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	2463	2546	2618	2700	2750	2812
Combustible fuels	1790	1893	2052	2065	2195	2114
Hydro	658	632	531	542	401	488
Nuclear	..	..	..	..	..	..
Other	*15	*21	36	93	154	209
Main activity	2463	2546	2618	2700	2750	2812
Combustible fuels	1790	1893	2052	2065	2195	2114
Hydro	658	632	531	542	401	488
Nuclear	..	..	..	..	..	..
Other	*15	*21	36	93	154	209
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	2463	2546	2618	2700	2750	2812
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*219	229	230	233	243	284
Consumption	*2244	2317	2388	2467	2498	2540
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	*2244	2317	2388	2467	2498	2540
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	575	585	649	709	766	868
Combustible fuels	438	439	471	471	477	567
Hydro	121	121	121	133	146	134
Nuclear	..	..	..	..	..	..
Other	16	25	57	104	144	167
Main activity	575	585	649	709	766	868
Combustible fuels	438	439	471	471	477	567
Hydro	121	121	121	133	146	134
Nuclear	..	..	..	..	..	..
Other	16	25	57	104	144	167
Combustible fuel input	Terajoules					
Hard Coal	17033	17492	16788	17923	17634	18313
Biogas	0	*50	72	80	80	96
Gas-diesel oil	873	985	2047	1677	2365	1780
Fuel oil	2105	2291	3268	3050	3676	3123
Bagasse	3630	3952	4161	4191	4082	4095
Total input	23641	24770	26337	26922	27837	27407
Total production	6442	6815	7385	7434	7903	7610
Estimated efficiency (% of production to input)	27	28	28	28	28	28

Statistics on electricity
Romania

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	61673	64956	58014	60979	62217	59045
Combustible fuels	37995	36530	30446	28807	34135	32594
Hydro	15966	17195	15807	20243	14946	12337
Nuclear	7709	11226	11752	11623	11747	11466
Other	3	5	9	306	1389	2648
Main activity	58683	62060	55709	58322	59437	54793
Combustible fuels	35125	33775	28362	26424	31509	28686
Hydro	15847	17055	15587	19975	14817	12179
Nuclear	7709	11226	11752	11623	11747	11466
Other	2	4	8	300	1364	2462
Own use in electricity, CHP and heat plants	5508	4856	5255	5056	5727	5351
Net production	56165	60100	52759	55923	56490	53694
Imports	1269	921	651	767	3410	3903
Exports	3359	5169	2946	3041	5316	3650
Losses	6751	7190	7029	7058	7141	7062
Consumption	47324	47894	42938	46332	47468	47132
Energy industries own use	6350	6081	5331	5015	4754	4746
By industry and construction	22837	22987	18183	20381	21083	20405
By transport	1463	1439	1383	1355	1424	1228
By households and other cons.	16674	17387	18041	19581	20207	20753
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	19759	19645	19551	19911	20499	21767
Combustible fuels	12014	11866	11675	11638	11616	11945
Hydro	6331	6362	6450	6474	6483	6548
Nuclear	1411	1411	1411	1411	1411	1411
Other	3	6	15	388	989	1863
Main activity	18941	18877	18736	19146	19734	19734
Combustible fuels	11239	11159	10944	10962	10948	10425
Hydro	6289	6302	6368	6391	6411	6455
Nuclear	1411	1411	1411	1411	1411	1411
Other	2	5	13	382	964	1443
Combustible fuel input	Terajoules					
Brown Coal	496552	506086	450702	422688	516656	464828
Biogas	19	7	5	8	88	183
Gas-diesel oil	301	172	129	215	215	258
Fuel oil	13130	9413	13170	8080	7676	4888
Refinery gas	1733	990	1139	4703	5792	5396
Other oil products	1206	241	884	0	1849	2935
Natural gas	165141	149895	108541	104326	114919	116627
Coke-oven gas	2	0	0	0	0	0
Blast furnace gas	2840	1025	366	868	315	235
Fuelwood	182	261	55	810	1366	1772
Others	0	0	0	0	0	0
Total input	681106	668090	574991	541698	648876	597122
Total production	136782	131508	109606	103705	122886	117338
Estimated efficiency (% of production to input)	20	20	19	19	19	20

Statistics on electricity
Russian Federation

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	1015333	1040379	991980	1038030	1054765	1070734
Combustible fuels	675820	710113	651810	698709	713689	725399
Hydro	178982	166711	176118	168397	167608	167319
Nuclear	160039	163085	163584	170415	172941	177534
Other	492	470	468	509	527	482
Main activity	961741	984142	939616	976126	990657	1003553
Combustible fuels	623404	655313	600378	637713	650687	659241
Hydro	177806	165274	175186	167489	166502	166296
Nuclear	160039	163085	163584	170415	172941	177534
Other	492	470	468	509	527	482
Own use in electricity, CHP and heat plants	74274	67399	59456	68522	68259	69232
Net production	941059	972980	932524	969508	986506	1001502
Imports	5670	3105	3066	1644	1558	2661
Exports	18468	20738	17923	19091	24111	19143
Losses	104855	109240	106792	104933	105002	106667
Consumption	823406	846097	810645	853369	858951	876939
Energy industries own use	122464	120637	124409	126686	130127	136654
By industry and construction	352778	360082	311417	326849	332818	338608
By transport	86646	83098	81206	85284	90355	92041
By households and other cons.	261518	282280	293613	314550	305651	309636
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	223981	225238	225499	222935	222984	232685
Combustible fuels	153335	154778	153800	151114	151114	157845
Hydro	46804	47066	47308	47430	47479	49445
Nuclear	23742	23304	24300	24300	24300	25304
Other	100	90	91	91	91	91
Main activity	208158	207920	208283	205405	205454	214320
Combustible fuels	138015	138015	137143	134143	134143	139784
Hydro	46301	46511	46749	46871	46920	49141
Nuclear	23742	23304	24300	24300	24300	25304
Other	100	90	91	91	91	91
Combustible fuel input	Terajoules					
Hard Coal	1622485	1829220	1498051	1507184	1533449	1694750
Brown Coal	784000	936180	816872	886662	898660	888748
Peat	8911	6080	6051	6403	8989	6744
Gas-diesel oil	58695	66220	56502	59770	59942	59727
Fuel oil	196546	169801	176104	93809	324170	332977
Refinery gas	4455	2228	2277	2426	2673	2030
Natural gas	7136000	7167628	6791755	7399820	7876206	8031618
Coke-oven gas	75553	61648	63540	73905	74001	70030
Blast furnace gas	125512	117841	119057	122886	123099	42842
Industrial waste	53089	67009	69391	79777	80023	79347
Others	787	1009	1236	1297	1348	1437
Total input	10066033	10424864	9600836	10233939	10982559	11210250
Total production	2432952	2556407	2346516	2515352	2569280	2611436
Estimated efficiency (% of production to input)	24	25	24	25	23	23

Statistics on electricity

Rwanda

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	165	195	248	281	346	393
Combustible fuels	123	122	149	169	196	211
Hydro	42	72	99	112	149	182
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Main activity	165	195	248	281	346	393
Combustible fuels	123	122	149	169	196	211
Hydro	42	72	99	112	149	182
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Own use in electricity, CHP and heat plants	16	16	18	21	24	24
Net production	149	179	231	261	322	369
Imports	81	85	62	80	78	91
Exports	2	2	3	3	5	3
Losses	*25	*36	*45	*51	*68	*78
Consumption	202	225	246	287	326	380
Energy industries own use	..	..	..	..	..	..
By industry and construction	55	58	56	63	68	77
By transport	..	..	..	..	..	..
By households and other cons.	148	167	190	224	259	302
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	56	56	75	84	89	*99
Combustible fuels	30	30	33	33	33	*36
Hydro	27	27	42	51	57	*63
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Main activity	56	56	75	84	89	*99
Combustible fuels	30	30	33	33	33	*36
Hydro	27	27	42	51	57	*63
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Combustible fuel input	Terajoules					
Gas-diesel oil	*1456	*1449	*1677	*1892	*2103	*2305
Total input	*1456	*1449	*1677	*1892	*2103	*2305
Total production	442	440	537	608	705	760
Estimated efficiency (% of production to input)	30	30	32	32	34	33

Statistics on electricity
Samoa

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*131	121	113	116	114	117
Combustible fuels	*72	72	74	69	79	80
Hydro	*59	49	39	48	35	37
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*126	116	108	111	109	112
Combustible fuels	*67	67	69	64	74	75
Hydro	*59	49	39	48	35	37
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	*1	2	1	1	1	*1
Net production	*130	119	112	116	114	117
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*15	*13	*13	*16	*16	*16
Consumption	97	93	91	91	89	*93
Energy industries own use	..	..	..	..	..	..
By industry and construction	5	4	5	5	6	*6
By transport	..	..	..	..	..	..
By households and other cons.	92	89	87	86	83	*87
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	40	42	42	*42	*42	*42
Combustible fuels	28	30	30	*30	*30	*30
Hydro	12	12	12	*12	*12	*12
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	38	39	39	*39	*39	*39
Combustible fuels	26	27	27	*27	*27	*27
Hydro	12	12	12	*12	*12	*12
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	*632	*671	*714	*757	817	*856
Total input	*632	*671	*714	*757	817	*856
Total production	*259	257	267	247	284	289
Estimated efficiency (% of production to input)	41	38	37	33	35	34

Statistics on electricity

Sao Tome and Principe

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*45	*48	*52	57	*60	*67
Combustible fuels	*35	*40	*45	52	*54	*60
Hydro	10	*8	*7	5	*6	*7
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*45	*48	*52	57	*60	*67
Combustible fuels	*35	*40	*45	52	*54	*60
Hydro	10	*8	*7	5	*6	*7
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	*45	*48	*52	57	*60	*67
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*13	*14	*15	15	*16	*16
Consumption	*32	*34	*38	42	*44	*51
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	*32	*34	*38	42	*44	*51
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	14	14	14	14	18	*18
Combustible fuels	12	12	12	12	16	*16
Hydro	2	2	2	2	*2	*2
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	14	14	14	14	18	*18
Combustible fuels	12	12	12	12	16	*16
Hydro	2	2	2	2	*2	*2
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	*374	*421	*482	559	*581	*624
Total input	*374	*421	*482	559	*581	*624
Total production	*126	*142	*162	189	*194	*216
Estimated efficiency (% of production to input)	34	34	34	34	33	35

Statistics on electricity
Saudi Arabia

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	190535	204200	217082	240067	250077	271680
Combustible fuels	190535	204200	217082	240067	250077	271679
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	1
Main activity	163883	176566	184070	186482	190280	207132
Combustible fuels	163883	176566	184070	186482	190280	207131
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	1
Own use in electricity, CHP and heat plants	5064	5391	5645	5696	6128	6826
Net production	185471	198809	211437	234371	243949	264854
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	15690	17712	17965	21388	23508	23780
Consumption	169780	181098	193472	212263	219662	240288
Energy industries own use	12316	10009	9591	9444	9269	9767
By industry and construction	18087	22173	24682	28619	32320	31289
By transport	..	..	..	..	..	..
By households and other cons.	139377	148916	159199	174200	178073	199232
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	41694	45774	44582	46374	51149	62132
Combustible fuels	41694	45774	44582	46374	51149	62132
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	37794	40891	37802	36023	38919	47275
Combustible fuels	37794	40891	37802	36023	38919	47275
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Crude oil	326894	388018	713897	857506	926455	920575
Gas-diesel oil	407769	444147	477085	486158	547304	575383
Fuel oil	257510	287971	161600	103505	148026	178164
Natural gas	1289213	1336845	1288608	1403473	1380378	1538835
Total input	2281386	2456981	2641190	2850641	3002162	3212957
Total production	685926	735120	781495	864241	900277	978044
Estimated efficiency (% of production to input)	30	30	30	30	30	30

Statistics on electricity
Senegal

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	2124	2402	2489	2618	2560	2917
Combustible fuels	2124	2402	2489	2618	2560	2917
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Main activity	1596	1539	1895	1800	1357	1421
Combustible fuels	1596	1539	1895	1800	1357	1421
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	68	64	62	58	34	41
Net production	2056	2338	2427	2560	2526	2876
Imports	181	229	*200	253	257	290
Exports	..	..	..	..	..	..
Losses	459	467	*560	269	265	302
Consumption	1972	1949	2361	2056	2031	2313
Energy industries own use	..	..	..	..	..	..
By industry and construction	*554	642	*663	737	750	858
By transport	..	..	..	..	..	..
By households and other cons.	1418	1307	1698	1319	1281	1455
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	577	639	*639	686	827	854
Combustible fuels	575	636	*636	686	827	854
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*2	*3	*3	0	0	0
Main activity	416	477	*477	493	483	489
Combustible fuels	416	477	*477	493	483	489
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	*2322	*1419	*1763	3741	3655	*3655
Fuel oil	*13736	*13655	*16362	21533	18099	18099
Natural gas	470	429	677	847	1352	1382
Bagasse	*2394	*2517	*2641	*2641	*2641	*2772
Total input	*18922	*18021	*21443	28762	25747	25908
Total production	7646	8647	8960	9425	9216	10501
Estimated efficiency (% of production to input)	40	48	42	33	36	41

Statistics on electricity
Serbia

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	36550	37376	38322	38103	38600	36799
Combustible fuels	26513	27267	27178	25532	29357	26885
Hydro	10037	10109	11144	12571	9243	9914
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	36412	37130	38162	37817	38370	36628
Combustible fuels	26375	27021	27018	25246	29127	26714
Hydro	10037	10109	11144	12571	9243	9914
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	2468	2607	2553	2402	2807	2597
Net production	34082	34769	35769	35701	35793	34202
Imports	9106	8875	5184	5620	6701	5781
Exports	9192	8802	6609	5917	6979	5392
Losses	5763	5903	5971	6024	5844	5609
Consumption	28233	28939	28373	29380	29671	28982
Energy industries own use	1714	1681	1563	1811	1680	1815
By industry and construction	6750	7066	6772	7287	7473	6931
By transport	255	264	502	224	529	492
By households and other cons.	19514	19928	19536	20058	19989	19744
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*8385	8385	8385	*8490	*8490	*8490
Combustible fuels	*5554	5554	5554	*5559	*5559	*5559
Hydro	*2831	2831	2831	*2931	*2931	*2931
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*8355	8355	8355	*8455	*8455	*8455
Combustible fuels	*5524	5524	5524	*5524	*5524	*5524
Hydro	*2831	2831	2831	*2931	*2931	*2931
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Hard Coal	26	26	0	77	0	0
Brown Coal	477484	496874	509656	487984	547092	503748
Lignite briquettes	248	455	124	1056	1014	869
Biogas	..	..	..	..	..	39
Gas-diesel oil	129	86	0	0	0	0
Fuel oil	5979	2101	1778	5252	4969	2990
Liquefied petroleum gas	236	0	0	0	0	0
Natural gas	8282	5404	4573	8846	10298	8588
Blast furnace gas	1285	0	1714	3753	3757	991
Industrial waste	0	0	0	0	0	50
Others	0	0	0	0	0	0
Total input	493670	504946	517845	506968	567131	517275
Total production	95447	98161	97841	91915	105685	96786
Estimated efficiency (% of production to input)	19	19	19	18	19	19

Statistics on electricity

Seychelles

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	271	269	276	301	324	336
Combustible fuels	271	269	276	301	324	336
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	271	269	276	301	324	336
Combustible fuels	271	269	276	301	324	336
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	10	7	6	6	7	7
Net production	261	262	270	295	317	329
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*18	*18	*17	*16	*16	*16
Consumption	232	233	239	260	280	314
Energy industries own use	..	..	..	..	..	..
By industry and construction	105	102	106	118	138	165
By transport	..	..	..	..	..	..
By households and other cons.	127	131	133	142	142	148
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	89	89	89	89	89	89
Combustible fuels	89	89	89	89	89	89
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	89	89	89	89	89	89
Combustible fuels	89	89	89	89	89	89
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	*2692	*2653	*2636	*3010	*3268	*3354
Fuel oil	*283	*291	*392	*299	*303	*323
Total input	*2975	*2944	*3028	*3309	*3571	*3677
Total production	974	969	992	1084	1166	1211
Estimated efficiency (% of production to input)	33	33	33	33	33	33

Statistics on electricity
Sierra Leone

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*60	*139	*132	*171	176	179
Combustible fuels	*42	43	44	22	22	61
Hydro	18	*96	*88	*149	153	118
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	33	*139	*132	*171	176	179
Combustible fuels	*15	43	44	22	22	61
Hydro	18	*96	*88	*149	153	118
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	2	1	1	3	1	0
Net production	*58	*138	*131	*167	175	178
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*20	*60	64	82	89	78
Consumption	*38	*78	68	85	86	100
Energy industries own use	..	..	..	..	..	..
By industry and construction	*14	*26	23	25	35	32
By transport	..	..	..	..	..	..
By households and other cons.	*24	*52	46	60	52	67
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*77	*77	*77	77	77	77
Combustible fuels	*27	27	27	27	27	27
Hydro	*50	*50	*50	50	50	50
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*69	*77	*77	77	77	77
Combustible fuels	*19	27	27	27	27	27
Hydro	*50	*50	*50	50	50	50
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	*172	*473	*495	*258	*258	*688
Total input	*172	*473	*495	*258	*258	*688
Total production	*151	155	158	78	80	218
Estimated efficiency (% of production to input)	88	33	32	30	31	32

Statistics on electricity

Singapore

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	41134	41717	41800	45366	45994	46915
Combustible fuels	41134	41717	41800	45366	45994	46915
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	41134	41717	40664	44090	44677	45191
Combustible fuels	41134	41717	40664	44090	44677	45191
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	1100	1302	1324	1410	1352	1254
Net production	40034	40415	40476	43956	44642	45661
Imports	..	..	..	..	..	..
Exports	3	1	0	0	0	0
Losses	2613	1084	1091	*1162	*1115	*1034
Consumption	38006	38429	39136	42285	43036	44281
Energy industries own use	2002	2023	0	0	0	0
By industry and construction	13619	13459	15497	*17794	*18088	*18659
By transport	1339	1454	1653	2143	2279	2391
By households and other cons.	21046	21493	21986	22348	22669	23231
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	10950	10453	*10657	*10261	*10216	*10478
Combustible fuels	10950	10453	*10657	*10261	*10216	*10478
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	10950	10453	*10337	*9953	*9910	*10164
Combustible fuels	10950	10453	*10337	*9953	*9910	*10164
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	0	903	774	5977	4343	2967
Fuel oil	74619	63711	60075	73649	75588	53207
Refinery gas	..	..	13464	13514	14256	12227
Natural gas	*256492	*262546	265375	277425	285670	*310259
Total input	*331111	*327160	339688	370565	379857	*378659
Total production	148082	150181	150480	163318	165578	168894
Estimated efficiency (% of production to input)	45	46	44	44	44	45

Statistics on electricity

Slovakia

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	28056	28962	26155	27858	28656	28664
Combustible fuels	8049	7972	7425	7572	8619	8231
Hydro	4615	4241	4604	5649	4146	4439
Nuclear	15334	16703	14081	14574	15411	15495
Other	58	46	45	63	480	499
Main activity	25309	26210	24065	25818	26164	26128
Combustible fuels	5448	5354	5488	5703	6623	6192
Hydro	4527	4153	4496	5539	4045	4351
Nuclear	15334	16703	14081	14574	15411	15495
Other	..	..	..	2	85	90
Own use in electricity, CHP and heat plants	2290	2317	2053	2427	2566	2527
Net production	25766	26645	24102	25431	26090	26137
Imports	13580	9412	8994	7334	11227	13472
Exports	11855	8891	7682	6293	10500	13079
Losses	1444	1003	782	856	515	1274
Consumption	26044	26160	24629	25613	26299	25237
Energy industries own use	1471	1395	1531	1478	1487	1300
By industry and construction	12186	12562	10768	10927	11241	11908
By transport	586	550	503	538	536	560
By households and other cons.	11801	11653	11827	12670	13035	11469
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	7348	7357	7153	7873	8363	8412
Combustible fuels	2609	2585	2824	3496	3382	3416
Hydro	2515	2548	2487	2516	2523	2522
Nuclear	2200	2200	1820	1820	1940	1939
Other	24	24	22	41	518	535
Main activity	6714	6720	6528	7258	7362	7370
Combustible fuels	2024	1997	2246	2945	2820	2833
Hydro	2490	2523	2462	2491	2494	2493
Nuclear	2200	2200	1820	1820	1940	1939
Other	..	..	..	2	108	105
Combustible fuel input	Terajoules					
Hard Coal	33153	27941	19892	18292	17492	17286
Brown Coal	35028	39620	39928	39886	41692	38402
Biogas	202	261	268	345	1072	1776
Fuel oil	4363	4202	10544	12201	11150	10262
Natural gas	20152	19397	22067	26043	30484	28153
Coke-oven gas	955	1203	1021	1109	1102	1095
Blast furnace gas	1498	1774	1459	1818	1756	1857
Fuelwood	*899	*1834	*2701	*4431	*4946	*8487
Municipal waste	1462	1264	1171	792	907	950
Black liquor	*1470	2090	*2667	*4041	*5106	*7630
Others	*866	892	*1190	*2436	*2058	1334
Total input	100048	100478	102908	111394	117766	117232
Total production	28976	28699	26730	27259	31028	29632
Estimated efficiency (% of production to input)	29	29	26	24	26	25

Statistics on electricity
Slovenia

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	15043	16399	16401	16433	16057	15729
Combustible fuels	6082	6107	5945	6066	6074	5958
Hydro	3266	4018	4713	4697	3703	4080
Nuclear	5695	6273	5739	5657	6215	5528
Other	0	1	4	13	65	163
Main activity	14499	15860	15935	15969	15623	15202
Combustible fuels	5780	5828	5645	5774	5825	5707
Hydro	3024	3758	4550	4537	3581	3961
Nuclear	5695	6273	5739	5657	6215	5528
Other	0	1	1	1	2	6
Own use in electricity, CHP and heat plants	999	1042	1027	1030	1060	1031
Net production	14044	15357	15374	15403	14997	14698
Imports	6106	6225	7780	8625	7036	7452
Exports	5877	7824	10839	10717	8298	8363
Losses	867	812	893	982	823	875
Consumption	13406	12945	11422	12329	12912	12912
Energy industries own use	142	139	130	363	305	363
By industry and construction	7468	6311	4966	5487	5864	5921
By transport	195	196	156	173	164	159
By households and other cons.	5601	6299	6170	6306	6579	6469
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	3035	2989	3050	3193	3268	3351
Combustible fuels	1351	1295	1310	1261	1270	1267
Hydro	1018	1027	1070	1254	1253	1254
Nuclear	666	666	666	666	688	688
Other	0	1	4	12	57	142
Main activity	2861	2814	2863	3009	3040	3058
Combustible fuels	1289	1234	1242	1204	1213	1227
Hydro	906	913	954	1138	1137	1138
Nuclear	666	666	666	666	688	688
Other	0	1	1	1	2	5
Combustible fuel input	Terajoules					
Hard Coal	0	0	52	103	52	77
Brown Coal	71974	71190	68096	67732	69174	68208
Biogas	427	508	850	1166	1404	1497
Gas-diesel oil	258	129	215	86	129	129
Fuel oil	81	81	81	40	40	0
Natural gas	4164	4440	5815	5213	4789	5158
Fuelwood	*778	*2654	*1619	*1524	*1566	*1380
Industrial waste	23	17	24	21	263	316
Total input	77705	79019	76751	75886	77417	76765
Total production	21895	21985	21402	21838	21866	21449
Estimated efficiency (% of production to input)	28	28	28	29	28	28

Statistics on electricity
Solomon Islands

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	85	86	84	87	83	83
Combustible fuels	85	86	84	87	83	83
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	77	78	76	79	75	75
Combustible fuels	77	78	76	79	75	75
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	2	*2	*2	*2	2	2
Net production	83	84	82	85	81	81
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*10	*10	*10	*11	*10	*10
Consumption	59	57	71	56	61	55
Energy industries own use	..	..	..	..	..	..
By industry and construction	35	33	51	37	39	39
By transport	..	..	..	..	..	..
By households and other cons.	25	25	20	19	22	17
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*36	*36	*36	*36	*36	*36
Combustible fuels	*36	*36	*36	*36	*36	*36
Hydro	0	0	0	0	0	0
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*31	*31	*31	*31	*31	*31
Combustible fuels	*31	*31	*31	*31	*31	*31
Hydro	0	0	0	0	0	0
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	*1032	*1152	*1221	*1299	*1226	*1234
Total input	*1032	*1152	*1221	*1299	*1226	*1234
Total production	306	311	301	315	298	300
Estimated efficiency (% of production to input)	30	27	25	24	24	24

Statistics on electricity

Somalia

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	311	324	327	327	330	333
Combustible fuels	311	324	327	327	330	333
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	311	324	327	327	330	333
Combustible fuels	311	324	327	327	330	333
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	311	324	327	327	330	333
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*31	*30	*32	*32	*35	*38
Consumption	280	290	292	295	295	295
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	280	290	292	295	295	295
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	80	80	80	80	80	80
Combustible fuels	80	80	80	80	80	80
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	80	80	80	80	80	80
Combustible fuels	80	80	80	80	80	80
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	*3440	*3569	*3612	*3612	*3655	*3698
Total input	*3440	*3569	*3612	*3612	*3655	*3698
Total production	1120	1166	1177	1177	1188	1199
Estimated efficiency (% of production to input)	33	33	33	33	33	32

Statistics on electricity
South Africa

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	263479	258291	249557	259601	262538	257919
Combustible fuels	248262	241206	232503	242325	243907	239831
Hydro	3847	3975	4142	5067	5019	4860
Nuclear	11317	13004	12806	12099	13502	13075
Other	53	106	106	110	110	153
Main activity	252938	247773	241093	251257	251746	247516
Combustible fuels	237838	230809	224165	234135	233268	229576
Hydro	3730	3854	4016	4913	4866	4712
Nuclear	11317	13004	12806	12099	13502	13075
Other	53	106	106	110	110	153
Own use in electricity, CHP and heat plants	14928	14951	14510	14889	14939	14819
Net production	248551	243340	235047	244712	247599	243100
Imports	11348	10572	12295	12193	11890	10006
Exports	14496	14168	14052	14668	14964	15035
Losses	22017	22465	24280	24468	21998	22351
Consumption	223386	217279	209010	218160	220203	212951
Energy industries own use	14511	15285	14325	15332	15662	15859
By industry and construction	117949	117387	114341	120438	121581	117272
By transport	6637	3571	3539	3590	3771	3826
By households and other cons.	84289	81036	76805	78800	79189	75994
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	43404	43738	*44813	*44813	*44813	*44820
Combustible fuels	40843	41177	*42186	*42186	*42186	*42186
Hydro	696	696	*714	*714	*714	*714
Nuclear	1842	1842	*1890	*1890	*1890	*1890
Other	23	23	*23	*23	*23	*30
Main activity	41369	41703	*42777	*42777	*42777	*42784
Combustible fuels	38843	39177	*40186	*40186	*40186	*40186
Hydro	661	661	*678	*678	*678	*678
Nuclear	1842	1842	*1890	*1890	*1890	*1890
Other	23	23	*23	*23	*23	*30
Combustible fuel input	Terajoules					
Hard Coal	2940116	3316667	3062537	3257792	3090298	3190892
Gas-diesel oil	11868	1462	516	2021	2021	2021
Vegetal waste	3932	3990	4047	4105	4162	4220
Total input	2955916	3322119	3067100	3263918	3096481	3197133
Total production	893743	868342	837011	872370	878065	863392
Estimated efficiency (% of production to input)	30	26	27	27	28	27

Statistics on electricity
Spain

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	305052	313758	294620	301527	293848	297559
Combustible fuels	191027	192810	168175	142410	150730	150312
Hydro	30522	26144	29162	45511	32911	24162
Nuclear	55103	58973	52761	61990	57718	61470
Other	28400	35831	44522	51616	52489	61615
Main activity	270723	275858	256495	262758	253030	256132
Combustible fuels	157633	155848	131038	104688	110980	109560
Hydro	29938	25549	28553	44664	32050	23700
Nuclear	55103	58973	52761	61990	57718	61470
Other	28049	35488	44143	51416	52282	61402
Own use in electricity, CHP and heat plants	11829	12215	11173	10576	10570	10987
Net production	293223	301543	283447	290951	283278	286572
Imports	8773	5881	6751	5206	7932	7787
Exports	14524	16920	14855	13539	14023	18986
Losses	25481	25810	24445	27400	26027	25675
Consumption	261992	264691	250897	254627	252050	250526
Energy industries own use	11207	9597	11119	9825	8541	10278
By industry and construction	97292	94190	76796	73490	73451	72466
By transport	2765	3120	2985	3222	4515	4455
By households and other cons.	150728	157784	159997	168090	165543	163327
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	96023	100957	103880	109092	110110	112468
Combustible fuels	54412	54832	54760	57457	56786	56786
Hydro	18572	18651	18705	18735	18740	18750
Nuclear	7365	7365	7365	7450	7450	7450
Other	15674	20109	23050	25450	27134	29482
Main activity	88719	93653	96576	101788	102806	105164
Combustible fuels	47412	47832	47760	50457	49786	49786
Hydro	18372	18451	18505	18535	18540	18550
Nuclear	7365	7365	7365	7450	7450	7450
Other	15570	20005	22946	25346	27030	29378
Combustible fuel input	Terajoules					
Hard Coal	702998	487310	368089	258929	459498	582977
Brown Coal	133994	34580	19614	13034	39746	30842
Biogas	6047	7494	6754	8562	8287	8946
Gas-diesel oil	71079	50181	48289	48590	47902	44720
Fuel oil	93001	93082	87789	84274	74134	78740
Petroleum coke	11830	17648	23205	10205	13780	16673
Natural gas	640403	839261	757935	680182	609377	517885
Fuelwood	*16563	*14458	*18085	*20078	*24039	*26714
Bagasse	..	..	..	..	*19452	*21182
Municipal waste	25890	27470	26728	14586	16332	14710
Others	17673	24564	22204	20065	16466	15466
Total input	1719478	1596047	1378692	1158505	1329013	1358854
Total production	687697	694116	605430	512676	542628	541123
Estimated efficiency (% of production to input)	40	43	44	44	41	40

Statistics on electricity
Sri Lanka

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	9901	10003	9987	10801	11600	11897
Combustible fuels	5936	5855	6086	5096	6916	8439
Hydro	3957	4139	3891	5645	4584	3302
Nuclear	..	..	..	..	..	..
Other	8	10	10	60	100	156
Main activity	9845	9987	9970	10783	11582	11879
Combustible fuels	5896	5855	6086	5096	6916	8439
Hydro	3947	4129	3881	5634	4573	3291
Nuclear	..	..	..	..	..	..
Other	2	3	4	53	93	149
Own use in electricity, CHP and heat plants	147	168	167	134	274	296
Net production	9754	9835	9820	10667	11326	11601
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	1531	1469	1431	1458	1337	1192
Consumption	8223	8366	8389	9209	9990	10409
Energy industries own use	..	..	..	..	..	..
By industry and construction	2957	2957	2773	3148	3379	3528
By transport	..	..	..	..	..	..
By households and other cons.	5266	5409	5616	6060	6611	6881
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	2450	2641	2698	2818	3140	3368
Combustible fuels	1127	1297	1317	1402	1702	1706
Hydro	1320	1341	1378	1383	1401	1585
Nuclear	..	..	..	..	..	..
Other	3	3	3	33	37	77
Main activity	2440	2641	2698	2818	3140	3368
Combustible fuels	1117	1297	1317	1402	1702	1706
Hydro	1320	1341	1378	1383	1401	1585
Nuclear	..	..	..	..	..	..
Other	3	3	3	33	37	77
Combustible fuel input	Terajoules					
Hard Coal	0	0	0	0	10191	16125
Gas-diesel oil	15566	11524	13158	8127	13072	16899
Fuel oil	31027	32805	33572	30219	30906	33532
Naphtha	4317	6319	4940	2403	2047	2759
Fuelwood	35	180	724	1024	997	698
Total input	50944	50828	52394	41773	57213	70013
Total production	21369	21076	21908	18345	24896	30379
Estimated efficiency (% of production to input)	42	41	42	44	44	43

Statistics on electricity

St. Helena and Depend.

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	9	9	9	9	10	10
Combustible fuels	9	8	8	8	9	9
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	1	1	*1	*1	*1
Main activity	9	9	9	9	10	10
Combustible fuels	9	8	8	8	9	9
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	1	1	*1	*1	*1
Own use in electricity, CHP and heat plants	1	0	0	0	1	1
Net production	8	8	9	9	9	9
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	1	1	0	*1	*1	*1
Consumption	7	8	8	8	8	*8
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	7	8	8	8	8	*8
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	4	5	5	*5	*5	*5
Combustible fuels	4	5	5	*5	*5	*5
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	0	0	0	0	0
Main activity	4	5	5	*5	*5	*5
Combustible fuels	4	5	5	*5	*5	*5
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	0	0	0	0	0
Combustible fuel input	Terajoules					
Gas-diesel oil	*91	86	*89	*97	*103	*103
Total input	*91	86	*89	*97	*103	*103
Total production	31	29	30	30	32	32
Estimated efficiency (% of production to input)	34	33	34	31	32	31

Statistics on electricity

St. Kitts-Nevis

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*168	*178	*184	190	*196	204
Combustible fuels	*168	*178	*184	190	*196	204
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*160	*170	*177	184	*190	199
Combustible fuels	*160	*170	*177	184	*190	199
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	*3	*3	*4	*4	*4	*4
Net production	*165	*175	*180	186	*192	200
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*6	*7	*7	*7	*8	*8
Consumption	*159	*168	*173	*179	*184	*192
Energy industries own use	..	..	..	..	..	..
By industry and construction	*25	*23	*25	*27	*30	*32
By transport	..	..	..	..	..	..
By households and other cons.	*134	*145	*148	*152	*154	*160
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*51	44	33	37	40	48
Combustible fuels	*51	44	33	37	40	48
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*45	38	27	31	34	42
Combustible fuels	*45	38	27	31	34	42
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	*1621	*1716	*1776	1832	*1888	1965
Total input	*1621	*1716	*1776	1832	*1888	1965
Total production	*605	*641	*662	684	*706	734
Estimated efficiency (% of production to input)	37	37	37	37	37	37

Statistics on electricity
St. Lucia

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	346	352	363	381	385	385
Combustible fuels	346	352	363	381	385	385
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	346	352	363	381	385	385
Combustible fuels	346	352	363	381	385	385
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	13	14	14	14	15	15
Net production	333	338	349	367	371	370
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	35	36	34	36	37	37
Consumption	298	302	315	331	333	333
Energy industries own use	..	..	..	..	..	..
By industry and construction	16	19	19	18	19	18
By transport	..	..	..	..	..	..
By households and other cons.	282	283	296	312	315	316
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	76	76	76	76	76	86
Combustible fuels	76	76	76	76	76	86
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	76	76	76	76	76	86
Combustible fuels	76	76	76	76	76	86
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	2986	3009	3076	3294	3350	3321
Total input	2986	3009	3076	3294	3350	3321
Total production	1245	1268	1307	1371	1387	1385
Estimated efficiency (% of production to input)	42	42	42	42	41	42

Statistics on electricity

St. Pierre-Miquelon

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	45	44	45	45	45	43
Combustible fuels	44	44	44	44	44	43
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*1	1	1	1	1	1
Main activity	45	44	45	45	45	43
Combustible fuels	44	44	44	44	44	43
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*1	1	1	1	1	1
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	45	44	45	45	45	43
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*1	2	3	3	2	3
Consumption	47	42	42	42	44	41
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	47	42	42	42	44	41
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	27	27	27	27	27	27
Combustible fuels	26	26	26	26	26	26
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	1	1	1	1	1
Main activity	27	27	27	27	27	27
Combustible fuels	26	26	26	26	26	26
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	1	1	1	1	1
Combustible fuel input	Terajoules					
Gas-diesel oil	*452	*473	*482	*482	*482	*464
Total input	*452	*473	*482	*482	*482	*464
Total production	159	157	159	159	159	153
Estimated efficiency (% of production to input)	35	33	33	33	33	33

Statistics on electricity

St. Vincent-Grenadines

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	141	139	*140	*142	*142	*144
Combustible fuels	118	116	*116	*117	*118	*120
Hydro	23	24	*24	*24	*24	*24
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	141	139	*140	*142	*142	*144
Combustible fuels	118	116	*116	*117	*118	*120
Hydro	23	24	*24	*24	*24	*24
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	4	5	*5	*5	*5	*5
Net production	138	134	*135	*137	*137	*139
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	12	11	*11	*11	*11	*11
Consumption	125	123	*124	*126	*126	*128
Energy industries own use	..	..	..	..	..	..
By industry and construction	7	6	*6	*6	*6	*7
By transport	..	..	..	..	..	..
By households and other cons.	119	117	*118	*120	*120	*121
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	41	41	*41	*41	*41	*41
Combustible fuels	34	34	*34	*34	*34	*34
Hydro	*7	*7	*7	*7	*7	*7
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	41	41	*41	*41	*41	*41
Combustible fuels	34	34	*34	*34	*34	*34
Hydro	*7	*7	*7	*7	*7	*7
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	*1273	*1243	*1251	*1269	*1290	*1290
Total input	*1273	*1243	*1251	*1269	*1290	*1290
Total production	426	416	*418	*423	*425	*432
Estimated efficiency (% of production to input)	33	33	33	33	33	33

Statistics on electricity
State of Palestine

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	417	427	501	473	569	461
Combustible fuels	417	427	501	473	569	461
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	417	427	501	473	569	461
Combustible fuels	417	427	501	473	569	461
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	417	427	501	473	569	461
Imports	3188	3865	3983	4159	4622	4909
Exports	..	..	..	..	..	..
Losses	649	773	897	695	1292	537
Consumption	2956	3054	3516	3280	3506	4846
Energy industries own use	..	..	..	..	..	..
By industry and construction	206	295	272	349	*299	*1026
By transport	28	8	41	0	0	0
By households and other cons.	2722	2751	3204	2931	3207	3820
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	140	140	140	140	140	140
Combustible fuels	140	140	140	140	140	140
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	140	140	140	140	140	140
Combustible fuels	140	140	140	140	140	140
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Motor gasoline	4	0	310	758	89	257
Gas-diesel oil	3904	3917	4304	3298	5199	3904
Total input	3909	3917	4614	4056	5287	4161
Total production	1502	1536	1802	1704	2049	1660
Estimated efficiency (% of production to input)	38	39	39	42	39	40

Statistics on electricity

Sudan

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	5021	5506	6491	7499	8455	9436
Combustible fuels	3570	4043	3263	1297	1988	2817
Hydro	1451	1463	3228	6202	6467	6619
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	5021	5506	6491	7499	8455	9436
Combustible fuels	3570	4043	3263	1297	1988	2817
Hydro	1451	1463	3228	6202	6467	6619
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	18	18	21	25	28	32
Net production	5003	5488	6470	7474	8427	9404
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	1177	1207	1423	1448	1737	1794
Consumption	3826	4281	5047	6026	6690	7610
Energy industries own use	..	..	..	..	..	..
By industry and construction	605	547	709	888	1049	1124
By transport	..	..	..	..	..	..
By households and other cons.	3221	3734	4338	5138	5641	6486
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	1061	1268	2268	2338	2723	2723
Combustible fuels	718	718	718	788	1133	1133
Hydro	343	550	1550	1550	1590	1590
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	1061	1268	2268	2338	2723	2723
Combustible fuels	718	718	718	788	1133	1133
Hydro	343	550	1550	1550	1590	1590
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	20855	21156	14835	2021	5418	10922
Fuel oil	18018	22907	20766	12160	16322	14423
Total input	38873	44063	35601	14181	21740	25345
Total production	12852	14555	11747	4669	7157	10141
Estimated efficiency (% of production to input)	33	33	33	33	33	40

Statistics on electricity
Suriname

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	1618	1618	1618	*1724	*1951	*1972
Combustible fuels	747	747	747	*796	*901	*911
Hydro	871	871	871	*927	*1050	*1061
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	147	147	147	*156	*177	*179
Combustible fuels	147	147	147	*156	*177	*179
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	31	31	31	*29	*33	*34
Net production	1587	1587	1587	*1694	*1918	*1939
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	138	138	140	147	176	178
Consumption	1449	1449	1463	1547	1742	1761
Energy industries own use	..	..	..	..	..	..
By industry and construction	970	970	980	811	887	866
By transport	..	..	..	..	..	..
By households and other cons.	479	479	483	737	855	896
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	389	389	389	410	412	412
Combustible fuels	200	200	200	221	223	223
Hydro	189	189	189	189	189	189
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	60	60	60	80	100	100
Combustible fuels	60	60	60	80	100	100
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Crude oil	338	338	349	0	0	0
Gas-diesel oil	2752	2752	2795	675	710	854
Fuel oil	12193	12193	12310	13857	11675	12289
Natural gas	171	186	185	183	172	175
Total input	15454	15469	15638	14715	12557	13318
Total production	2688	2688	2688	*2866	*3245	*3280
Estimated efficiency (% of production to input)	17	17	17	19	26	25

Statistics on electricity
Swaziland

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*454	*432	*518	560	654	*622
Combustible fuels	*281	*272	*272	*272	*321	*350
Hydro	173	160	246	288	333	272
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	174	160	246	288	333	280
Combustible fuels	*1	0	1	0	0	8
Hydro	173	160	246	288	333	272
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	15	14	16	14	15	15
Net production	*439	*418	*502	546	639	*607
Imports	936	983	923	909	806	813
Exports	..	..	..	..	..	..
Losses	162	167	188	168	161	175
Consumption	1213	1234	1238	1288	1283	1246
Energy industries own use	..	..	..	..	..	..
By industry and construction	413	415	406	390	360	338
By transport	..	..	..	..	..	..
By households and other cons.	800	819	832	898	923	908
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*134	*152	*152	*153	*159	*164
Combustible fuels	*89	*89	*89	*89	*95	*100
Hydro	45	64	64	64	64	64
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	51	69	69	70	70	70
Combustible fuels	10	10	10	10	10	10
Hydro	41	60	60	60	60	60
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Hard Coal	*707	*599	*449	*297	*253	*338
Gas-diesel oil	*442	*455	*455	*455	*473	*473
Bagasse	*13565	*14259	*13722	*13514	*14232	*13606
Animal waste	0	0	0	0	0	0
Total input	*14714	*15313	*14626	*14266	*14958	*14417
Total production	*1012	*978	*980	*978	*1156	*1258
Estimated efficiency (% of production to input)	7	6	7	7	8	9

Statistics on electricity

Sweden

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	148926	150036	136729	148563	150376	166562
Combustible fuels	14262	14936	16087	20723	17256	16283
Hydro	66262	69211	65977	66501	66556	79058
Nuclear	66969	63889	52173	57828	60475	64037
Other	1433	2000	2492	3511	6089	7184
Main activity	142939	143564	131140	141957	144361	160212
Combustible fuels	8290	8480	10514	14131	11256	9950
Hydro	66247	69195	65961	66487	66541	79041
Nuclear	66969	63889	52173	57828	60475	64037
Other	1433	2000	2492	3511	6089	7184
Own use in electricity, CHP and heat plants	3793	3626	3386	3284	3440	3732
Net production	145133	146410	133343	145279	146936	162830
Imports	16052	12754	13765	14931	12481	11682
Exports	14736	14715	9080	12853	19714	31255
Losses	10661	10985	9905	10585	10569	10961
Consumption	133879	131742	126503	135168	127802	130503
Energy industries own use	2797	3093	3117	3951	3174	3217
By industry and construction	57983	57664	51431	54386	53802	54077
By transport	2929	2372	2438	2404	2640	2685
By households and other cons.	70170	68613	69517	74427	68186	70524
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	34300	33943	35285	36454	35227	37843
Combustible fuels	7873	7746	8337	8715	6546	8362
Hydro	16637	16437	16652	16732	16577	16414
Nuclear	9074	8938	8839	8977	9323	9436
Other	716	822	1457	2030	2781	3631
Main activity	33100	32632	34046	35334	33825	36602
Combustible fuels	6676	6438	7101	7598	5147	7124
Hydro	16634	16434	16649	16729	16574	16411
Nuclear	9074	8938	8839	8977	9323	9436
Other	716	822	1457	2030	2781	3631
Combustible fuel input	Terajoules					
Hard Coal	10397	8566	8849	11300	9417	8282
Peat	5183	8862	9409	9643	8579	6832
Gas-diesel oil	989	817	1290	4042	2107	1419
Fuel oil	8282	5575	7838	13413	5656	5939
Natural gas	12973	9748	24910	32541	21808	14942
Blast furnace gas	7991	8634	4814	8232	7235	5630
Fuelwood	*104229	*107135	*115429	*140000	*103349	*131404
Municipal waste	30729	36787	35988	43800	45724	49735
Industrial waste	1309	463	846	868	1583	1283
Black liquor	0	*15000	*31000	*33107	*62659	*60086
Others	5200	4098	5332	4595	2026	2078
Total input	*187282	*205685	*245705	*301541	*270144	*287630
Total production	51343	53770	57913	74603	62122	58619
Estimated efficiency (% of production to input)	27	26	24	25	23	20

Statistics on electricity

Switzerland

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	67924	68932	68453	67815	64626	69866
Combustible fuels	3219	3244	3187	3531	3564	3712
Hydro	36737	37935	37507	37825	34133	40305
Nuclear	27925	27700	27686	26339	26710	25441
Other	43	53	73	120	219	408
Main activity	62187	63172	62555	61613	58641	63295
Combustible fuels	107	201	229	213	211	279
Hydro	34139	35252	34617	35024	31650	37487
Nuclear	27925	27700	27686	26339	26710	25441
Other	16	19	23	37	70	88
Own use in electricity, CHP and heat plants	2105	2107	2097	1686	1667	1681
Net production	65819	66825	66356	66129	62959	68185
Imports	34818	31601	31368	33401	34824	31549
Exports	36880	32736	33525	32881	32237	33749
Losses	4220	4276	4182	4370	4481	4602
Consumption	59526	61404	60006	62266	61052	61370
Energy industries own use	2104	2685	2523	2494	2466	2411
By industry and construction	18995	19280	18208	19268	19205	19028
By transport	3075	3142	3064	3164	3061	3094
By households and other cons.	35352	36297	36211	37340	36320	36837
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	19112	19393	19508	19706	20059	20310
Combustible fuels	851	870	881	947	925	959
Hydro	14992	15240	15292	15339	15587	15587
Nuclear	3220	3220	3238	3253	3278	3278
Other	49	63	97	167	269	486
Main activity	17650	17864	18043	18202	18465	18363
Combustible fuels	61	94	95	106	107	107
Hydro	14357	14536	14692	14801	15034	14929
Nuclear	3220	3220	3238	3253	3278	3278
Other	12	14	18	42	46	49
Combustible fuel input	Terajoules					
Biogas	997	1068	1191	1311	1451	1660
Gas-diesel oil	860	559	473	430	387	430
Fuel oil	202	162	121	40	0	0
Liquefied petroleum gas	47	47	47	47	47	47
Natural gas	4371	4837	4792	6598	6318	5755
Fuelwood	*2177	*3611	*4018	*3782	*4680	*5416
Municipal waste	40692	40360	36734	38350	39768	40768
Industrial waste	1330	1418	1465	1298	1130	1186
Total input	50676	52062	48841	51857	53781	55262
Total production	11588	11678	11473	12712	12830	13363
Estimated efficiency (% of production to input)	23	22	23	25	24	24

Statistics on electricity

Syrian Arab Republic

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	38642	41023	43308	46413	42025	31188
Combustible fuels	35164	38154	41442	43821	38742	27951
Hydro	3478	2869	1866	2592	3283	3237
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	37357	39787	42219	45331	40965	30436
Combustible fuels	33879	36918	40353	42739	37682	27199
Hydro	3478	2869	1866	2592	3283	3237
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	4415	4687	4948	5303	4802	3564
Net production	34227	36336	38360	41110	37223	27624
Imports	1396	548	542	690	902	0
Exports	991	590	614	1043	1192	0
Losses	8428	8766	11103	7103	6461	5010
Consumption	26204	27528	27185	33654	30472	22614
Energy industries own use	..	..	..	..	..	..
By industry and construction	9405	10203	7427	11318	10248	7605
By transport	..	..	..	..	..	..
By households and other cons.	16799	17325	19758	22336	20224	15009
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	8523	7635	8322	8206	8206	*8206
Combustible fuels	7018	6735	7422	7356	7356	*7356
Hydro	1505	900	900	850	850	*850
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	6889	6774	7138	7210	7210	*7210
Combustible fuels	5384	5874	6238	6360	6360	*6360
Hydro	1505	900	900	850	850	*850
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	22962	22102	19479	19350	18963	13459
Fuel oil	207575	224301	197596	161438	152712	108393
Natural gas	130489	138909	213852	275817	242805	177399
Total input	361026	385312	430927	456605	414480	299251
Total production	126590	137354	149191	157756	139471	100624
Estimated efficiency (% of production to input)	35	36	35	35	34	34

Statistics on electricity
T.F.Yug.Rep. Macedonia

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	6498	6311	6828	7260	6759	6262
Combustible fuels	5488	5471	5558	4829	5325	5218
Hydro	1010	840	1270	2431	1433	1041
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	1	3
Main activity	6495	6308	6827	7258	6757	6260
Combustible fuels	5485	5468	5557	4827	5323	5216
Hydro	1010	840	1270	2431	1433	1041
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	1	3
Own use in electricity, CHP and heat plants	525	509	494	433	475	465
Net production	5973	5802	6334	6827	6284	5797
Imports	2491	2733	1438	1420	2749	2741
Exports	..	0	0	0	73	72
Losses	1509	1444	1187	1279	1388	1296
Consumption	6954	7091	6585	6968	7572	7170
Energy industries own use	207	194	193	184	194	165
By industry and construction	2450	2412	1562	2010	2506	2210
By transport	29	31	27	20	17	17
By households and other cons.	4268	4454	4803	4754	4855	4778
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	1562	1569	1599	1641	1644	1685
Combustible fuels	1016	1016	1046	1086	1086	1086
Hydro	546	553	553	555	556	595
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	2	4
Main activity	1559	1566	1596	1638	1641	1682
Combustible fuels	1013	1013	1043	1083	1083	1083
Hydro	546	553	553	555	556	595
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	2	4
Combustible fuel input	Terajoules					
Brown Coal	92901	104334	102597	94122	108263	102884
Gas-diesel oil	1	1	2	0	0	0
Fuel oil	5235	2534	3301	1560	710	935
Liquefied petroleum gas	0	0	0	0	0	0
Refinery gas	109	30	84	2	0	0
Natural gas	58	54	322	733	1216	3092
Fuelwood	0	0	0	0	0	0
Total input	98304	106952	106306	96417	110189	106911
Total production	19757	19696	20009	17384	19170	18785
Estimated efficiency (% of production to input)	20	18	19	18	17	18

Statistics on electricity
Tajikistan

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	17494	16205	16166	16436	16234	16998
Combustible fuels	380	347	217	35	38	74
Hydro	17114	15858	15949	16401	16196	16924
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	17494	16205	16166	16436	16234	16998
Combustible fuels	380	347	217	35	38	74
Hydro	17114	15858	15949	16401	16196	16924
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	98	153	139	118	104	148
Net production	17396	16052	16027	16318	16130	16850
Imports	4361	5297	4304	339	66	*66
Exports	4259	4421	4247	180	191	*191
Losses	2954	2858	2715	2781	2701	*2730
Consumption	14793	14313	13602	14324	13913	13939
Energy industries own use	71	69	66	67	65	*65
By industry and construction	6682	6464	6143	7435	6450	6344
By transport	23	23	23	35	167	*43
By households and other cons.	8017	7757	7370	6787	7231	7487
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	4386	5069	5078	5105	5079	6168
Combustible fuels	322	321	319	318	324	314
Hydro	4064	4748	4759	4787	4755	5854
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	4386	5069	5078	5105	5079	6168
Combustible fuels	322	321	319	318	324	314
Hydro	4064	4748	4759	4787	4755	5854
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Natural gas	6135	3923	1618	719	728	933
Total input	6135	3923	1618	719	728	933
Total production	1368	1249	781	126	137	266
Estimated efficiency (% of production to input)	22	32	48	18	19	29

Statistics on electricity
Thailand

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	143378	147427	148390	159518	151595	166471
Combustible fuels	135261	140309	141230	153953	143632	158013
Hydro	8114	7113	7148	5537	7935	8431
Nuclear	..	..	..	..	..	..
Other	3	5	12	28	*28	*27
Main activity	128819	132781	133458	144382	136659	151337
Combustible fuels	120702	125663	126298	138817	128696	142879
Hydro	8114	7113	7148	5537	7935	8431
Nuclear	..	..	..	..	..	..
Other	3	5	12	28	*28	*27
Own use in electricity, CHP and heat plants	4497	4629	5284	5749	5490	5490
Net production	138881	142798	143106	153769	146105	160981
Imports	4491	2785	2439	7287	10774	10527
Exports	926	1180	1560	1615	*1235	*1873
Losses	9268	8954	8776	10121	*8957	*10047
Consumption	133178	135450	135209	149320	*146687	*159588
Energy industries own use	543	472	284	373	*325	*360
By industry and construction	60625	56958	56386	63257	*67942	*72336
By transport	58	60	62	74	*64	*71
By households and other cons.	71952	77960	78477	85616	*78356	*86821
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	36116	40666	46578	47456	*47456	*47456
Combustible fuels	32640	37182	43077	43939	*43939	*43939
Hydro	3475	3481	3488	3488	*3488	*3488
Nuclear	..	..	..	..	..	..
Other	1	3	13	29	*29	*29
Main activity	28283	30508	30607	31485	*31485	*31485
Combustible fuels	24807	27024	27106	27968	*27968	*27968
Hydro	3475	3481	3488	3488	*3488	*3488
Nuclear	..	..	..	..	..	..
Other	1	3	13	29	*29	*29
Combustible fuel input	Terajoules					
Hard Coal	118087	129697	112746	114397	158283	200698
Brown Coal	221438	229712	221872	224056	240254	234556
Biogas	243	670	1526	2611	4141	1564
Gas-diesel oil	946	1634	903	1419	*1462	*1591
Fuel oil	35794	15029	6626	10140	*9534	*9130
Natural gas	904204	925157	943830	1043016	998589	1076831
Fuelwood	0	18115	17768	20645	*19257	*20000
Bagasse	*20186	28935	34495	34657	*62912	*59615
Animal waste	141	180	170	170	*170	*170
Vegetal waste	48088	14100	17400	16250	*15991	*15991
Total input	1349126	1363228	1357335	1467361	1510593	1620146
Total production	486940	505112	508428	554231	517075	568847
Estimated efficiency (% of production to input)	36	37	37	38	34	35

Statistics on electricity
Timor-Leste

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	92	111	132	137	140	126
Combustible fuels	92	111	132	137	140	126
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	92	111	132	137	140	126
Combustible fuels	92	111	132	137	140	126
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	92	111	132	137	140	126
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	..	..	..	..	..	..
Consumption	92	111	132	137	140	126
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	92	111	132	137	140	126
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*45	*45	44	*44	*44	*44
Combustible fuels	*45	*45	44	*44	*44	*44
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*45	*45	44	*44	*44	*44
Combustible fuels	*45	*45	44	*44	*44	*44
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	*1161	*1333	*1548	*1548	*1548	*1548
Total input	*1161	*1333	*1548	*1548	*1548	*1548
Total production	330	398	474	492	504	454
Estimated efficiency (% of production to input)	28	30	31	32	33	29

Statistics on electricity
Togo

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	196	123	152	179	128	111
Combustible fuels	104	32	42	86	22	22
Hydro	92	91	110	93	106	89
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	178	117	142	169	117	100
Combustible fuels	86	26	32	76	11	11
Hydro	92	91	110	93	106	89
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	2	1	2	4	9	9
Net production	194	122	150	175	119	102
Imports	514	666	725	706	853	959
Exports	..	..	..	..	..	..
Losses	104	151	101	88	92	92
Consumption	606	637	781	802	881	969
Energy industries own use	..	..	..	..	..	..
By industry and construction	193	156	250	205	213	225
By transport	..	..	..	..	..	..
By households and other cons.	413	481	531	597	668	744
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	84	85	*85	*85	*85	*85
Combustible fuels	*18	18	*18	*18	*18	*18
Hydro	66	67	*67	*67	*67	*67
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	81	82	*82	*82	*82	*82
Combustible fuels	*15	15	*15	*15	*15	*15
Hydro	66	67	*67	*67	*67	*67
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	559	344	344	516	172	172
Vegetal waste	140	28	28	28	28	*37
Kerosene-type jet fuel	529	0	132	397	44	88
Total input	1228	372	504	941	244	297
Total production	374	115	151	310	79	79
Estimated efficiency (% of production to input)	30	31	30	33	32	27

Statistics on electricity

Tonga

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*51	*53	55	52	53	52
Combustible fuels	*51	*53	55	52	53	52
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*51	*53	55	52	53	52
Combustible fuels	*51	*53	55	52	53	52
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	*2	*2	2	2	2	2
Net production	*49	*51	53	50	51	50
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*8	*8	8	7	7	6
Consumption	*41	*43	45	43	45	45
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	*41	*43	45	43	45	45
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*12	*12	*12	14	*14	*14
Combustible fuels	*12	*12	*12	14	*14	*14
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*12	*12	*12	14	*14	*14
Combustible fuels	*12	*12	*12	14	*14	*14
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	456	473	490	464	477	0
Fuel oil	..	..	..	..	..	*465
Total input	456	473	490	464	477	*465
Total production	*184	*191	197	187	191	189
Estimated efficiency (% of production to input)	40	40	40	40	40	41

Statistics on electricity
Trinidad and Tobago

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	7683	7683	7843	8485	8772	9132
Combustible fuels	7683	7683	7843	8485	8772	9132
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	7648	7648	7808	8415	8700	9057
Combustible fuels	7648	7648	7808	8415	8700	9057
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	153	153	287	309	319	332
Net production	7530	7530	7556	8176	8453	8800
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	168	168	291	265	243	239
Consumption	7341	7341	7295	7911	8211	8560
Energy industries own use	..	..	..	..	..	..
By industry and construction	4325	4325	4334	4761	4964	5175
By transport	..	..	..	..	..	..
By households and other cons.	3016	3016	2961	3150	3247	3385
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	1489	1807	*1807	1796	2295	2577
Combustible fuels	1489	1807	*1807	1796	2295	2577
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	1425	1611	*1611	1600	2099	2381
Combustible fuels	1425	1611	*1611	1600	2099	2381
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	215	215	215	215	215	215
Other oil products	2090	0	643	0	0	0
Natural gas	111879	107343	109464	117846	122271	122606
Bagasse	482	482	487	0	0	0
Total input	114666	108040	110809	118061	122486	122821
Total production	27659	27659	28235	30546	31579	32875
Estimated efficiency (% of production to input)	24	26	25	26	26	27

Statistics on electricity
Tunisia

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	14521	15073	15428	16369	16497	18059
Combustible fuels	14429	14996	15252	16180	16332	17750
Hydro	49	38	79	50	54	110
Nuclear	..	..	..	..	..	..
Other	43	39	97	139	111	199
Main activity	13643	14178	14556	15346	15803	17428
Combustible fuels	13551	14101	14380	15157	15638	17119
Hydro	49	38	79	50	54	110
Nuclear	..	..	..	..	..	..
Other	43	39	97	139	111	199
Own use in electricity, CHP and heat plants	461	488	474	551	583	647
Net production	14060	14585	14954	15818	15914	17412
Imports	0	122	192	141	131	384
Exports	0	129	152	122	161	426
Losses	1846	1917	1882	1874	2255	2735
Consumption	12257	12685	13102	13952	13611	14633
Energy industries own use	271	364	318	401	372	246
By industry and construction	4568	4592	4717	5121	4780	5114
By transport	249	268	96	78	87	96
By households and other cons.	7169	7461	7971	8352	8372	9177
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	3313	3313	*3473	*3599	*4025	*4120
Combustible fuels	3232	3232	*3358	*3484	*3909	*3882
Hydro	62	62	62	62	62	62
Nuclear	..	..	..	..	..	..
Other	19	19	53	53	54	176
Main activity	2815	2815	*2975	*3101	*3527	*3622
Combustible fuels	2734	2734	*2860	*2986	*3411	*3384
Hydro	62	62	62	62	62	62
Nuclear	..	..	..	..	..	..
Other	19	19	53	53	54	176
Combustible fuel input	Terajoules					
Gas-diesel oil	43	43	43	43	129	43
Fuel oil	13978	6626	4929	40	0	0
Natural gas	117523	132649	137389	154321	151540	164318
Total input	131544	139318	142361	154404	151669	164361
Total production	51944	53986	54907	58248	58795	63900
Estimated efficiency (% of production to input)	39	39	39	38	39	39

Statistics on electricity
Turkey

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	191558	198418	194812	211208	229393	239496
Combustible fuels	155196	164139	156923	155828	171638	174872
Hydro	35851	33270	35958	51796	52338	57865
Nuclear	..	..	..	..	..	..
Other	511	1009	1931	3584	5417	6759
Main activity	176233	182695	181314	198761	217150	226242
Combustible fuels	140787	149167	145020	144607	160637	163278
Hydro	34937	32522	34365	50572	51098	56207
Nuclear	..	..	..	..	..	..
Other	509	1006	1929	3582	5415	6757
Own use in electricity, CHP and heat plants	8218	8655	8193	8162	11835	11789
Net production	183340	189763	186619	203046	217558	227707
Imports	864	789	812	1144	4556	5827
Exports	2422	1122	1546	1918	3645	2954
Losses	26647	27481	28991	30222	32369	35657
Consumption	155135	161949	156894	172050	186100	194923
Energy industries own use	2344	2317	1966	2036	2107	2027
By industry and construction	71450	72534	68504	77295	85874	90275
By transport	935	960	660	610	669	846
By households and other cons.	80406	86138	85764	92109	97450	101775
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	40835	41818	44761	49524	52911	57059
Combustible fuels	27271	27595	29339	32279	33931	35027
Hydro	13395	13829	14553	15831	17137	19609
Nuclear	..	..	..	..	..	..
Other	169	394	869	1414	1843	2423
Main activity	37101	38285	41705	46381	49893	53858
Combustible fuels	24096	24617	26828	29681	31458	32371
Hydro	12837	13275	14009	15287	16593	19065
Nuclear	..	..	..	..	..	..
Other	168	393	868	1413	1842	2422
Combustible fuel input	Terajoules					
Hard Coal	152530	159883	164114	178897	261019	303434
Brown Coal	847504	919590	883162	781984	849380	769832
Biogas	629	1091	1968	2846	3037	5387
Gas-diesel oil	215	2021	4644	43	43	4988
Fuel oil	59105	69892	46702	22866	10100	10504
Natural gas	735515	765584	761660	793194	826120	832166
Coke-oven gas	5502	8041	6200	9387	9015	10257
Blast furnace gas	11507	13198	16629	17499	17968	18213
Fuelwood	*372	*411	*501	*603	*271	*534
Industrial waste	1428	924	1056	1496	1499	1567
Others	534	490	312	579	0	0
Total input	1814841	1941124	1886948	1809394	1978452	1956882
Total production	558706	590900	564923	560981	617897	629539
Estimated efficiency (% of production to input)	31	30	30	31	31	32

Statistics on electricity

Turkmenistan

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	14883	15043	15983	16663	17220	17750
Combustible fuels	14880	15040	15980	16660	17220	17750
Hydro	3	3	3	3	0	0
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	14883	15043	15983	16663	17220	17750
Combustible fuels	14880	15040	15980	16660	17220	17750
Hydro	3	3	3	3	0	0
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	1128	1140	1211	1262	1301	1341
Net production	13755	13903	14772	15401	15919	16409
Imports	..	..	..	..	..	..
Exports	1950	1530	2100	2410	2550	2720
Losses	1951	2076	2094	2132	2190	2221
Consumption	9854	10297	10578	10859	11179	11454
Energy industries own use	1514	1582	1625	1668	1717	1759
By industry and construction	3009	3144	3230	3316	3414	3498
By transport	216	226	232	238	245	251
By households and other cons.	5115	5345	5491	5637	5803	5946
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	2852	2852	2852	*3001	*3201	*3201
Combustible fuels	2851	2851	2851	*3000	*3200	*3200
Hydro	1	1	1	*1	*1	*1
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	2852	2852	2852	*3001	*3201	*3201
Combustible fuels	2851	2851	2851	*3000	*3200	*3200
Hydro	1	1	1	*1	*1	*1
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Natural gas	267094	286668	284874	326240	347452	359315
Total input	267094	286668	284874	326240	347452	359315
Total production	53568	54144	57528	59976	61992	63900
Estimated efficiency (% of production to input)	20	19	20	18	18	18

Statistics on electricity

Turks and Caicos Islands

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	182	*197	*208	*214	*214	*227
Combustible fuels	182	*197	*208	*214	*214	*227
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	182	*197	*208	*214	*214	*227
Combustible fuels	182	*197	*208	*214	*214	*227
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	6	*6	*7	*7	*7	*8
Net production	176	*190	*201	*206	*207	*219
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	8	*9	*10	*10	*11	*11
Consumption	168	*181	*191	*196	*196	*208
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	168	*181	*191	*196	*196	*208
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	48	48	54	57	65	76
Combustible fuels	48	48	54	57	65	76
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	48	48	54	57	65	76
Combustible fuels	48	48	54	57	65	76
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	*1965	*2129	*2245	*2309	*2309	*2451
Total input	*1965	*2129	*2245	*2309	*2309	*2451
Total production	655	*708	*747	*769	*770	*817
Estimated efficiency (% of production to input)	33	33	33	33	33	33

Statistics on electricity

Tuvalu

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	4	4	*5	*5	*5	*5
Combustible fuels	4	4	*5	*5	*5	*5
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	4	4	*5	*5	*5	*5
Combustible fuels	4	4	*5	*5	*5	*5
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	4	4	*5	*5	*5	*5
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	..	..	..	..	..	..
Consumption	4	5	*5	*5	*5	*5
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	4	5	*5	*5	*5	*5
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*2	*2	*2	*2	*2	*2
Combustible fuels	*2	*2	*2	*2	*2	*2
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*2	*2	*2	*2	*2	*2
Combustible fuels	*2	*2	*2	*2	*2	*2
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Total input	..	..	..	..	..	..
Total production	15	16	*16	*17	*17	*17
Estimated efficiency (% of production to input)	..	..	..	..	..	..

Statistics on electricity
Uganda

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	1953	2088	2186	*2456	*2588	*2640
Combustible fuels	541	621	905	*851	897	*915
Hydro	1412	1467	1281	*1605	*1691	*1725
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	1906	2012	2127	*2375	*2503	*2553
Combustible fuels	540	591	875	*823	867	*884
Hydro	1366	1421	1252	*1553	*1636	*1669
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	8	8	8	*9	*10	*10
Net production	1945	2080	2178	*2447	*2578	*2630
Imports	58	41	25	*29	*36	*37
Exports	65	67	81	*75	89	*91
Losses	637	789	*815	*791	*767	*782
Consumption	*1102	*1280	*1310	*1521	*1731	*1766
Energy industries own use	..	..	..	..	..	..
By industry and construction	*693	*772	*798	*959	*1120	*1142
By transport	..	..	..	..	..	..
By households and other cons.	409	508	*512	*562	*611	*623
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	511	539	502	549	579	612
Combustible fuels	116	214	164	187	137	144
Hydro	395	325	338	362	442	468
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	500	515	478	522	552	585
Combustible fuels	115	200	150	170	120	127
Hydro	385	315	328	352	432	458
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	*5719	*5719	*7955	*8002	*8045	*8045
Fuel oil	..	..	..	117	117	117
Bagasse	..	*162	*193	*193	*185	*208
Total input	*5719	*5881	*8148	*8313	*8348	*8371
Total production	1948	2236	3258	*3065	3229	*3294
Estimated efficiency (% of production to input)	34	38	40	37	39	39

Statistics on electricity
Ukraine

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	196251	192586	173619	188584	194947	198878
Combustible fuels	93405	91188	78716	86229	93634	97126
Hydro	10259	11512	11936	13152	10946	10994
Nuclear	92542	89841	82924	89152	90248	90137
Other	45	45	43	51	119	621
Main activity	191335	188138	168977	183738	191294	195105
Combustible fuels	88519	86770	74100	81411	90002	93373
Hydro	10229	11482	11910	13124	10925	10974
Nuclear	92542	89841	82924	89152	90248	90137
Other	45	45	43	51	119	621
Own use in electricity, CHP and heat plants	15247	15178	14448	14756	15312	15481
Net production	181004	177408	159171	173828	179635	183397
Imports	3383	2101	25	23	35	93
Exports	12554	8831	4294	4078	6327	11560
Losses	22952	22363	20692	21695	21261	21421
Consumption	148881	148315	134210	148078	152084	149817
Energy industries own use	13850	13290	14901	14053	12284	12149
By industry and construction	71558	67144	55860	65911	62890	63101
By transport	10505	10678	9144	9872	9887	9279
By households and other cons.	52968	57203	54305	59142	67023	65288
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	53971	54041	54385	54567	54624	55001
Combustible fuels	34998	35040	35043	35186	35026	35129
Hydro	5056	5083	5421	5458	5469	5470
Nuclear	13835	13835	13835	13835	13835	13835
Other	82	83	86	88	294	567
Main activity	50689	50779	51126	51306	51486	51645
Combustible fuels	31724	31786	31790	31930	31894	31778
Hydro	5048	5076	5415	5453	5463	5465
Nuclear	13835	13835	13835	13835	13835	13835
Other	82	82	86	88	294	567
Combustible fuel input	Terajoules					
Hard Coal	888346	907386	804057	875549	975988	1019822
Gas-diesel oil	*3569	*3440	0	0	258	301
Fuel oil	4404	7030	41087	5010	3555	3717
Refinery gas	4653	3713	4109	4505	2772	743
Other oil products	..	3940	2613	2653	2533	603
Natural gas	323573	331489	197370	290673	319166	288423
Gasworks gas	2554	0	0	0	0	0
Coke-oven gas	21413	27059	23414	24466	26842	27085
Blast furnace gas	33147	29176	25735	26039	25004	24777
Other recovered gases	..	0	0	0	0	0
Others	4194	4443	105	21	20	0
Total input	1285852	1317674	1098489	1228915	1356138	1365471
Total production	336258	328277	283378	310424	337082	349654
Estimated efficiency (% of production to input)	26	25	26	25	25	26

Statistics on electricity
United Arab Emirates

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	76106	86260	90573	97728	99137	100927
Combustible fuels	76106	86260	90573	97728	99137	100927
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	76106	86260	90573	97728	99137	100927
Combustible fuels	76106	86260	90573	97728	99137	100927
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	5147	5470	5689	6293	6487	6972
Net production	70959	80790	84884	91435	92650	93955
Imports	0	0	0	0	49	16
Exports	0	0	0	0	36	34
Losses	5461	6190	6500	7013	7114	7242
Consumption	65498	74600	78384	84422	85549	86695
Energy industries own use	..	..	..	..	..	..
By industry and construction	6712	8386	8805	7591	9228	8140
By transport	..	..	..	..	..	..
By households and other cons.	58786	66214	69579	76831	76321	78555
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	18474	19814	19814	20414	26142	26142
Combustible fuels	18474	19814	19814	20414	26132	26132
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	10	10
Main activity	18474	19814	19814	20414	26142	26142
Combustible fuels	18474	19814	19814	20414	26132	26132
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	10	10
Combustible fuel input	Terajoules					
Gas-diesel oil	21242	22016	21414	21629	20597	20640
Fuel oil	1656	1737	1737	1697	1818	1858
Natural gas	1057818	1249092	1104338	1128970	1146160	1167102
Total input	1080716	1272845	1127489	1152296	1168575	1189600
Total production	273982	310536	326063	351821	356893	363337
Estimated efficiency (% of production to input)	25	24	29	31	31	31

Statistics on electricity
United Kingdom

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	396830	388874	376755	381760	367455	363837
Combustible fuels	319578	320034	289403	302669	274126	264405
Hydro	8936	9244	8926	6725	8595	8251
Nuclear	63028	52486	69098	62140	68980	70405
Other	5288	7110	9328	10226	15754	20776
Main activity	353181	346633	334759	340073	326708	322162
Combustible fuels	278581	280477	250778	263939	237554	227737
Hydro	8003	8313	7979	5853	7499	7136
Nuclear	63028	52486	69098	62140	68980	70405
Other	3569	5357	6904	8141	12675	16884
Own use in electricity, CHP and heat plants	17694	16341	16573	16108	16430	18003
Net production	379136	372533	360182	365652	351025	345834
Imports	8613	12294	6609	7144	8689	13791
Exports	3398	1271	3748	4481	2467	1747
Losses	27830	28083	28181	26604	27486	28585
Consumption	356520	355471	334861	341710	329761	329291
Energy industries own use	14864	13649	13114	12886	11888	11718
By industry and construction	112800	114151	99737	104522	102348	97819
By transport	3961	3943	4040	4076	4083	4088
By households and other cons.	224895	223728	217970	220226	211442	215666
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	84294	85729	87469	93658	92871	94499
Combustible fuels	66554	66946	67772	72928	70319	69525
Hydro	4266	4370	4382	4384	4419	4430
Nuclear	10979	10979	10858	10865	10663	9946
Other	2495	3434	4457	5481	7470	10598
Main activity	77099	78468	79733	85953	84831	86165
Combustible fuels	60167	60880	61607	66565	64744	64383
Hydro	4103	4200	4203	4197	4215	4215
Nuclear	10979	10979	10858	10865	10663	9946
Other	1850	2409	3065	4326	5209	7621
Combustible fuel input	Terajoules					
Hard Coal	1354784	1233421	1023770	1070648	1079730	1416575
Biogas	63899	65222	68380	70863	72371	72586
Fuel oil	26422	39026	30704	21897	13292	13574
Refinery gas	11633	11831	12177	16088	14306	11781
Natural gas	1281161	1356518	1293490	1344908	1105703	770924
Coke-oven gas	8110	8145	9453	9237	9363	8646
Blast furnace gas	32120	27795	22866	18955	19019	24853
Vegetal waste	*33240	*34470	*40700	*52044	*57044	*65395
Municipal waste	23182	24128	29225	30830	33542	44795
Industrial waste	10702	6966	6397	2439	13313	13320
Others	8537	12666	18680	8601	4011	5973
Total input	2853789	2820187	2555842	2646510	2421693	2448422
Total production	1150481	1152122	1041851	1089608	986854	951858
Estimated efficiency (% of production to input)	40	41	41	41	41	39

Statistics on electricity

United Rep. of Tanzania

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	4182	4386	4736	5187	5244	5795
Combustible fuels	1658	1737	2096	2566	3438	4125
Hydro	2524	2649	2640	2621	1806	1657
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	13
Main activity	4146	4367	4736	5187	5244	5782
Combustible fuels	1622	1718	2096	2566	3438	4125
Hydro	2524	2649	2640	2621	1806	1657
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	4182	4386	4736	5187	5244	5795
Imports	60	52	65	57	55	61
Exports	..	..	..	..	..	..
Losses	917	827	1686	1046	1159	1048
Consumption	3146	3617	3116	4092	3995	4454
Energy industries own use	36	19	0	0	0	13
By industry and construction	695	811	703	1036	1005	1089
By transport	..	..	..	..	..	..
By households and other cons.	2415	2787	2413	3056	2990	3352
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	957	1008	1008	1108	1108	1108
Combustible fuels	378	*429	*446	*546	*546	*546
Hydro	579	579	562	562	562	562
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	937	988	988	1088	1088	1088
Combustible fuels	358	*409	*426	*526	*526	*526
Hydro	579	579	562	562	562	562
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Hard Coal	439	232	0	0	0	0
Gas-diesel oil	3999	3010	860	946	2451	3182
Fuel oil	2141	1091	566	1697	9090	13009
Natural gas	17432	17927	21707	25163	28187	31751
Bagasse	..	..	..	324	450	342
Total input	24011	22260	23133	28130	40178	48284
Total production	5969	6253	7546	9238	12377	14850
Estimated efficiency (% of production to input)	25	28	33	33	31	31

Statistics on electricity
United States

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	4349840	4368260	4188214	4378422	4349571	4290547
Combustible fuels	3183440	3173013	2965173	3135578	3037683	3019949
Hydro	275545	281995	298410	286333	344679	298287
Nuclear	836634	837804	830210	838931	821405	801129
Other	54221	75448	94421	117580	145804	171182
Main activity	4190757	4215215	4039013	4214470	4185002	4116563
Combustible fuels	3027986	3023437	2820121	2976980	2880241	2855247
Hydro	273827	280230	296433	284550	342838	295887
Nuclear	836634	837804	830210	838931	821405	801129
Other	52310	73744	92249	114009	140518	164300
Own use in electricity, CHP and heat plants	159299	216168	209455	221165	215857	213338
Net production	4190541	4152092	3978759	4157257	4133714	4077209
Imports	51396	57019	52191	45083	52301	59257
Exports	20143	24198	18138	19107	15038	11995
Losses	267043	246116	260708	260999	259528	268753
Consumption	3954751	3938797	3752104	3922234	3911449	3855718
Energy industries own use	105574	109164	107403	135615	134448	128886
By industry and construction	915263	893078	797320	826432	851555	845911
By transport	6683	6812	6323	6417	6559	6841
By households and other cons.	2927231	2929743	2841058	2953770	2918887	2874080
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	995876	1011254	1026869	1041000	1055278	1067878
Combustible fuels	775195	781791	786050	793551	798833	793352
Hydro	99771	99788	100678	101023	100944	101106
Nuclear	100266	100755	101004	101167	101419	101885
Other	20644	28920	39137	45259	54082	71535
Main activity	965741	981261	996200	1008650	1021016	1031417
Combustible fuels	746789	753632	757555	764431	769510	764085
Hydro	99418	99432	100320	100661	100566	100442
Nuclear	100266	100755	101004	101167	101419	101885
Other	19268	27442	37321	42391	49521	65005
Combustible fuel input	Terajoules					
Hard Coal	8258941	10991806	9075692	9831013	8966971	7641754
Brown Coal	7124558	7318402	6996192	7156268	7054572	6376048
Biogas	87890	101786	107375	114409	122381	135501
Fuel oil	393334	237875	179578	151338	92193	76841
Refinery gas	85932	66281	66974	64449	62172	74102
Petroleum coke	182813	163280	145893	150150	142643	105658
Natural gas	8055520	7828926	8033275	8610217	8828413	10578971
Vegetal waste	*101477	*100268	*92374	*99164	*99817	*107512
Municipal waste	272037	276512	274202	270201	277175	274975
Black liquor	*121206	*119762	*110334	*118443	*119224	*128417
Others	2840238	259772	232649	263899	255563	250604
Total input	27523946	27464670	25314537	26829551	26021123	25750382
Total production	11460384	11422847	10674623	11288081	10935659	10871816
Estimated efficiency (% of production to input)	42	42	42	42	42	42

Statistics on electricity

United States Virgin Is.

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	980	*972	*921	958	951	872
Combustible fuels	980	*972	*921	958	951	872
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	933	*924	*873	909	911	872
Combustible fuels	933	*924	*873	909	911	872
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	156	*157	*148	155	155	148
Net production	824	*815	*772	803	796	724
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	..	..	..	..	..	..
Consumption	824	815	772	803	796	724
Energy industries own use	..	..	..	..	..	..
By industry and construction	360	364	349	358	338	319
By transport	..	..	..	..	..	..
By households and other cons.	464	451	424	445	458	405
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	323	323	*323	*323	345	330
Combustible fuels	323	323	*323	*323	345	330
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	308	308	*308	*308	330	330
Combustible fuels	308	308	*308	*308	330	330
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Total input	..	..	..	..	..	..
Total production	3529	*3498	*3315	3447	3422	3140
Estimated efficiency (% of production to input)	..	..	..	..	..	..

Statistics on electricity

Uruguay

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	9424	8769	8838	10727	10342	10596
Combustible fuels	1357	4261	3546	2255	3754	5060
Hydro	8067	4505	5260	8407	6479	5421
Nuclear	..	..	..	..	..	..
Other	..	3	32	65	110	115
Main activity	9281	7890	8043	9899	9531	9730
Combustible fuels	1214	3385	2783	1426	2944	4195
Hydro	8067	4505	5260	8407	6479	5421
Nuclear	..	..	..	..	..	..
Other	..	..	..	65	109	114
Own use in electricity, CHP and heat plants	91	245	164	207	207	277
Net production	9333	8524	8674	10521	10135	10319
Imports	788	963	1468	387	477	742
Exports	995	28	259	710	19	194
Losses	1917	1724	1132	1211	1287	1291
Consumption	7188	8013	8817	9060	9362	9641
Energy industries own use	66	50	0	75	60	66
By industry and construction	1918	2414	2514	2533	2524	2476
By transport	..	..	..	..	..	..
By households and other cons.	5204	5549	6303	6451	6777	7099
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	2407	2524	2621	2792	2803	2969
Combustible fuels	869	972	1053	1214	1221	1379
Hydro	1538	1538	1538	1538	1538	1538
Nuclear	..	..	..	..	..	..
Other	0	14	30	41	44	53
Main activity	2225	2335	2425	2633	2641	2798
Combustible fuels	687	787	867	1065	1073	1223
Hydro	1538	1538	1538	1538	1538	1538
Nuclear	..	..	..	..	..	..
Other	0	10	20	30	30	37
Combustible fuel input	Terajoules					
Gas-diesel oil	5913	22622	20176	5057	15029	20124
Fuel oil	7329	13364	9942	6064	11502	18834
Natural gas	21	65	191	707	816	71
Fuelwood	55	38	40	548	204	338
Bagasse	23	26	31	44	102	75
Vegetal waste	..	..	..	541	631	2295
Black liquor	..	..	..	0	4517	4575
Total input	13340	36116	30380	12961	32800	46312
Total production	4885	15340	12766	8117	13513	18216
Estimated efficiency (% of production to input)	37	42	42	63	41	39

Statistics on electricity
Uzbekistan

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	48950	49400	49950	51700	52400	52500
Combustible fuels	42550	38040	40620	40854	42160	41290
Hydro	6400	11360	9330	10846	10240	11210
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	48751	49222	49760	51510	52203	52307
Combustible fuels	42351	37862	40430	40664	41963	41097
Hydro	6400	11360	9330	10846	10240	11210
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	2779	2805	2836	2935	2975	2981
Net production	46171	46595	47114	48765	49425	49519
Imports	11360	11464	11592	11998	12160	12183
Exports	11442	11547	11676	12085	12249	12272
Losses	4311	4349	4395	4547	4606	4613
Consumption	41778	42163	42635	44131	44730	44817
Energy industries own use	1403	1416	1432	1482	1502	1505
By industry and construction	15466	15608	15782	16335	16556	16588
By transport	1329	1341	1357	1404	1423	1426
By households and other cons.	23580	23798	24064	24910	25249	25298
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*12194	11580	*11580	*11580	*12400	*12722
Combustible fuels	*10774	9870	*9870	*9870	*10569	*10867
Hydro	*1420	1710	*1710	*1710	*1831	*1855
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*12039	11425	*11425	*11425	*12245	*12565
Combustible fuels	*10619	9715	*9715	*9715	*10414	*10710
Hydro	*1420	1710	*1710	*1710	*1831	*1855
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Brown Coal	34776	35084	35476	36722	37226	37296
Gas-diesel oil	86	86	43	43	43	0
Fuel oil	24644	17534	12484	9090	6504	4606
Natural gas	546532	490618	532848	539219	560333	550182
Total input	606038	543322	580851	585074	604106	592084
Total production	153180	136944	146232	147074	151776	148644
Estimated efficiency (% of production to input)	25	25	25	25	25	25

Statistics on electricity
Vanuatu

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*52	69	69	69	*68	67
Combustible fuels	*50	56	56	56	*57	57
Hydro	*2	7	7	8	6	7
Nuclear	..	..	..	..	..	..
Other	..	6	6	5	*5	*3
Main activity	*52	69	69	69	*68	67
Combustible fuels	*50	56	56	56	*57	57
Hydro	*2	7	7	8	6	7
Nuclear	..	..	..	..	..	..
Other	..	6	6	5	*5	*3
Own use in electricity, CHP and heat plants	*2	2	2	2	2	2
Net production	*50	67	67	67	*66	65
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	3	3	3	3	3	3
Consumption	49	55	57	61	63	61
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	49	55	57	61	63	61
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*22	28	28	29	31	31
Combustible fuels	*21	25	25	25	27	27
Hydro	1	1	1	1	1	1
Nuclear	..	..	..	..	..	..
Other	..	2	2	3	3	3
Main activity	*22	28	28	29	31	31
Combustible fuels	*21	25	25	25	27	27
Hydro	1	1	1	1	1	1
Nuclear	..	..	..	..	..	..
Other	..	2	2	3	3	3
Combustible fuel input	Terajoules					
Gas-diesel oil	*473	*525	*525	*525	*538	*538
Other liquid biofuels	*82	*82	*82	*82	*82	*82
Total input	*555	*607	*607	*607	*620	*620
Total production	*181	200	200	201	*205	205
Estimated efficiency (% of production to input)	33	33	33	33	33	33

Statistics on electricity
Venezuela(Bolivar. Rep.)

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	114563	119297	119580	118370	122059	126516
Combustible fuels	31504	32456	33618	41590	38389	44508
Hydro	83059	86841	85962	76780	83670	82008
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	112866	117687	117905	116655	120533	124705
Combustible fuels	29807	30846	31943	39875	36863	42697
Hydro	83059	86841	85962	76780	83670	82008
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	1317	1165	975	4950	5275	5576
Net production	113246	118132	118605	113420	116784	120940
Imports	0	102	260	0	249	480
Exports	540	569	633	0	0	0
Losses	31409	32461	32564	22880	24133	25113
Consumption	78069	80167	83081	83770	87015	89925
Energy industries own use	1806	2166	2213	2084	2144	2052
By industry and construction	33386	34505	35662	36858	38094	39371
By transport	293	278	290	275	290	302
By households and other cons.	42584	43218	44916	44553	46487	48200
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	22540	23188	24846	24854	25705	27502
Combustible fuels	7943	8621	10224	10232	11083	12880
Hydro	14597	14567	14622	14622	14622	14622
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	21616	22129	23708	23716	24567	26364
Combustible fuels	7019	7562	9086	9094	9945	11742
Hydro	14597	14567	14622	14622	14622	14622
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	77873	98169	115025	143706	150199	199262
Fuel oil	75629	69286	59873	62458	52399	37936
Natural gas	230598	217770	218829	284506	253200	300446
Total input	384100	385225	393727	490670	455798	537644
Total production	113414	116842	121025	149724	138200	160229
Estimated efficiency (% of production to input)	30	30	31	31	30	30

Statistics on electricity
Viet Nam

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	67008	73396	83175	94835	105219	118937
Combustible fuels	43973	47410	53194	66780	63944	65676
Hydro	23035	25986	29981	28055	41188	53171
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	87	*90
Main activity	63011	70853	80710	91722	101586	115237
Combustible fuels	39976	44867	50729	63667	60311	61976
Hydro	23035	25986	29981	28055	41188	53171
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	87	*90
Own use in electricity, CHP and heat plants	855	1379	2007	3015	3355	*4000
Net production	66153	72017	81168	91820	101864	114937
Imports	2630	3220	4102	5612	5003	2707
Exports	..	..	373	964	1134	1220
Losses	7445	7401	7985	*9650	10060	*11500
Consumption	61339	67836	76913	85669	93523	104255
Energy industries own use	..	..	..	..	..	..
By industry and construction	32112	35065	39919	44524	50328	55568
By transport	..	..	..	..	..	..
By households and other cons.	29227	32771	36994	41145	43195	48687
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*13850	*14545	*17458	*22881	*25731	*28240
Combustible fuels	*8350	*9044	*11950	*16950	*17700	*17700
Hydro	5500	5500	5500	5900	*8000	*10503
Nuclear	..	..	..	..	..	..
Other	..	1	8	31	*31	*37
Main activity	*13150	*13795	*15508	*20931	*23031	*25531
Combustible fuels	*7650	*8294	*10000	*15000	*15000	*15000
Hydro	5500	5500	5500	5900	*8000	*10500
Nuclear	..	..	..	..	..	..
Other	..	1	8	31	*31	*31
Combustible fuel input	Terajoules					
Hard Coal	165481	166642	169532	231168	280420	293449
Gas-diesel oil	8729	2537	946	10922	5375	5676
Fuel oil	25048	22503	25452	36804	39107	41168
Natural gas	228706	264840	300626	355008	320195	353235
Fuelwood	931	654	735	637	644	651
Total input	428895	457176	497291	634539	645741	694179
Total production	158303	170676	191498	240408	230198	236434
Estimated efficiency (% of production to input)	37	37	39	38	36	34

Statistics on electricity
Wallis and Futuna Is.

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	20	20	20	20	20	19
Combustible fuels	20	20	20	20	20	19
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	20	20	20	20	20	19
Combustible fuels	20	20	20	20	20	19
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	3	1	3	3	3	2
Net production	18	19	18	17	17	17
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*1	*1	*1	*1	*1	*1
Consumption	17	*18	*17	*16	*16	*16
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	17	*18	*17	*16	*16	*16
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	9	9	9	11	11	11
Combustible fuels	9	9	9	11	11	11
Hydro	..	..	0	0	0	0
Nuclear	..	..	..	..	..	..
Other	..	..	0	0	0	0
Main activity	9	9	9	11	11	11
Combustible fuels	9	9	9	11	11	11
Hydro	..	..	0	0	0	0
Nuclear	..	..	..	..	..	..
Other	..	..	0	0	0	0
Combustible fuel input	Terajoules					
Gas-diesel oil	*240	*237	*242	*243	*243	*233
Total input	*240	*237	*242	*243	*243	*233
Total production	73	73	72	71	71	68
Estimated efficiency (% of production to input)	30	31	30	29	29	29

Statistics on electricity

Yemen

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	6027	6546	6746	7755	6206	6579
Combustible fuels	6027	6546	6746	7755	6206	6579
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	5510	6015	6137	7305	5937	6242
Combustible fuels	5510	6015	6137	7305	5937	6242
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	411	542	466	865	407	66
Net production	5616	6004	6280	6890	5799	6513
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	1532	1508	1639	1854	1697	2347
Consumption	4084	4496	4641	5036	4102	4166
Energy industries own use	..	..	..	..	..	..
By industry and construction	44	48	49	54	148	148
By transport	..	..	..	..	..	..
By households and other cons.	4040	4448	4592	4982	3954	4018
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	930	980	1334	1334	1520	1520
Combustible fuels	930	980	1334	1334	1520	1520
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	847	893	1216	1216	1402	1402
Combustible fuels	847	893	1216	1216	1402	1402
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	17845	14448	15007	9632	6450	11137
Fuel oil	36400	40642	41208	41854	34663	29290
Natural gas	..	..	..	22609	14736	24388
Total input	54245	55090	56215	74095	55849	64815
Total production	21697	23566	24286	27918	22342	23684
Estimated efficiency (% of production to input)	40	43	43	38	40	37

Statistics on electricity
Zambia

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	9832	9701	10414	11308	11482	11856
Combustible fuels	31	35	31	35	46	42
Hydro	9801	9666	10383	11273	11436	11814
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	9595	9467	10163	11036	11206	11571
Combustible fuels	25	29	25	29	40	36
Hydro	9570	9438	10138	11007	11166	11535
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	242	246	245	268	272	281
Net production	9590	9455	10169	11040	11210	11575
Imports	275	264	10	13	13	13
Exports	417	96	589	578	587	606
Losses	1376	2285	2305	2680	2722	2810
Consumption	8067	7333	7280	7789	7908	8166
Energy industries own use	..	..	..	..	..	..
By industry and construction	5245	4471	3780	4086	4148	4283
By transport	18	18	20	21	21	22
By households and other cons.	2804	2844	3480	3682	3739	3861
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	1770	1770	1784	1946	2006	2006
Combustible fuels	90	90	90	90	*90	*90
Hydro	1680	1680	1694	1856	1916	1916
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	1726	1726	1726	1888	1948	1948
Combustible fuels	80	80	80	80	*80	*80
Hydro	1646	1646	1646	1808	1868	1868
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Hard Coal	*129	*129	*129	*129	*129	*129
Motor gasoline	44	..	..	..	..	..
Gas-diesel oil	301	344	301	344	430	430
Fuel oil	0	0	0	0	40	0
Total input	474	473	430	473	599	559
Total production	112	126	112	126	166	151
Estimated efficiency (% of production to input)	24	27	26	27	28	27

Statistics on electricity
Zimbabwe

Item	2007	2008	2009	2010	2011	2012
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	7609	7625	7291	8636	9142	9088
Combustible fuels	2226	1917	1833	2837	3941	3701
Hydro	5383	5708	5458	5799	5201	5387
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	7499	7501	7187	8535	9040	8990
Combustible fuels	2116	1793	1729	2736	3839	3603
Hydro	5383	5708	5458	5799	5201	5387
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	294	295	282	334	354	352
Net production	7315	7330	7009	8302	8788	8736
Imports	2956	1686	2182	1718	1577	1201
Exports	29	571	905	987	976	653
Losses	1219	967	1234	1665	1346	1453
Consumption	9023	7478	7052	7368	8043	7831
Energy industries own use	..	..	..	..	..	..
By industry and construction	3731	2408	2206	3112	3343	3084
By transport	..	..	..	..	..	..
By households and other cons.	5292	5070	4846	4256	4700	4747
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	2075	2105	2105	2112	*2112	*2112
Combustible fuels	1325	1355	1355	1355	*1355	*1355
Hydro	750	750	750	757	757	757
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	2025	2060	2060	2067	*2067	*2067
Combustible fuels	1275	1310	1310	1310	*1310	*1310
Hydro	750	750	750	757	757	757
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Hard Coal	33334	25671	26961	29386	32121	33617
Gas-diesel oil	344	430	301	344	387	387
Coke-oven gas	143	0	0	0	0	..
Fuelwood	*3	*27	*29	*30	*30	*30
Total input	33824	26128	27291	29760	32538	34034
Total production	8014	6901	6599	10213	14188	13324
Estimated efficiency (% of production to input)	24	26	24	34	44	39