

Statistics on electricity

Madagascar

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	1438	1520	1593	1658	1712	1822
Combustible fuels	747	765	784	774	777	935
Hydro	690	755	809	884	935	887
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	1
Main activity	1268	1350	1423	1488	1542	1652
Combustible fuels	577	595	614	604	607	765
Hydro	690	755	809	884	935	887
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	1
Own use in electricity, CHP and heat plants	21	23	*24	*25	*25	*25
Net production	1417	1497	1569	1633	1687	1797
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*41	*41	*41	*42	*45	*45
Consumption	1053	1100	1124	1170	1195	1179
Energy industries own use	..	..	..	..	..	..
By industry and construction	*501	*516	*511	*537	*544	498
By transport	..	..	..	..	..	..
By households and other cons.	552	584	613	633	651	681
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*508	*541	*541	*542	*543	677
Combustible fuels	*379	*379	*379	*379	*379	514
Hydro	129	162	162	163	164	162
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	*1
Main activity	*476	*509	*509	*510	*511	645
Combustible fuels	*347	*347	*347	*347	*347	482
Hydro	129	162	162	163	164	162
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	*1
Combustible fuel input	Terajoules					
Gas-diesel oil	*5061	*5061	*5160	3474	4795	5865
Fuel oil	*2424	*2424	*2505	*2141	*606	*808
Total input	*7485	*7485	*7665	5616	5401	6673
Total production	2690	2753	2824	2786	2799	3366
Estimated efficiency (% of production to input)	36	37	37	50	52	50

Statistics on electricity

Malawi

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*2069	*2058	*2046	*2151	*2136	*2160
Combustible fuels	*181	*181	*181	*181	*183	*183
Hydro	*1888	*1877	*1865	*1970	*1953	*1977
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*1888	*1877	*1865	*1970	*1953	*1977
Combustible fuels	*5	*5	*5	*5	*5	*5
Hydro	*1883	*1872	*1860	*1965	*1948	*1972
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	*95	*100	*97	*100	*101	*102
Net production	*1974	*1958	*1949	*2051	*2035	*2058
Imports	..	..	..	..	..	..
Exports	20	18	32	39	*39	*39
Losses	*186	433	*389	*294	*437	*442
Consumption	1768	1507	1529	1718	1559	*1577
Energy industries own use	..	..	..	..	..	..
By industry and construction	617	503	661	709	691	*699
By transport	..	..	..	..	..	..
By households and other cons.	1151	1004	868	1009	868	*878
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	503	503	503	567	567	567
Combustible fuels	*212	*212	*212	*212	*211	*211
Hydro	291	291	291	355	356	356
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	288	288	288	353	352	352
Combustible fuels	*2	*2	*2	*2	*1	*1
Hydro	286	286	286	351	351	351
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	*2012	*1929	*2002	*1886	*1829	*1904
Total input	*2012	*1929	*2002	*1886	*1829	*1904
Total production	*652	*652	*652	*652	*658	*658
Estimated efficiency (% of production to input)	32	34	33	35	36	35

Statistics on electricity
Malaysia

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	124894	134421	138331	147461	150123	156665
Combustible fuels	117269	125319	127604	133846	135926	136336
Hydro	7624	9054	10586	13388	13924	20019
Nuclear	..	..	..	..	..	..
Other	1	48	141	227	273	310
Main activity	119761	128267	133311	142788	145137	150442
Combustible fuels	112136	119165	122584	129173	130940	130113
Hydro	7624	9054	10586	13388	13924	20019
Nuclear	..	..	..	..	..	..
Other	1	48	141	227	273	310
Own use in electricity, CHP and heat plants	12779	11543	11366	15585	12535	10102
Net production	112115	122878	126965	131876	137588	146563
Imports	370	100	221	23	13	33
Exports	10	15	23	12	3	694
Losses	*5133	*6610	*4087	*3554	*5399	1878
Consumption	107341	116353	123076	128333	132199	144024
Energy industries own use	..	..	..	..	..	..
By industry and construction	47017	52414	55886	58948	60641	67664
By transport	214	241	241	256	266	340
By households and other cons.	60110	63698	66949	69129	71292	76020
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	28750	29198	31817	29974	30440	33090
Combustible fuels	25734	25826	27725	25040	23519	25732
Hydro	3015	3317	3931	4773	5716	6137
Nuclear	..	..	..	..	..	..
Other	*1	*55	*161	161	1205	1220
Main activity	25752	26024	28780	27623	27368	29789
Combustible fuels	22736	22652	24688	22695	21309	23226
Hydro	3015	3317	3931	4768	5714	6135
Nuclear	..	..	..	..	..	..
Other	*1	*55	*161	160	345	427
Combustible fuel input	Terajoules					
Hard Coal	544825	591912	566336	571404	654254	715990
Gas-diesel oil	49966	35346	27348	27391	13975	8944
Fuel oil	44925	22382	15958	10948	4121	6302
Natural gas	531627	555449	695828	650110	711320	600958
Vegetal waste	*15048	*11405	*15955	9346	9878	9878
Total input	1186391	1216493	1321425	1269199	1393548	1342072
Total production	422168	451148	459374	481846	489334	490810
Estimated efficiency (% of production to input)	36	37	35	38	35	37

Statistics on electricity
Maldives

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	387	416	421	537	599	644
Combustible fuels	386	414	420	535	594	639
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	2	1	2	5	*5
Main activity	275	299	304	329	391	425
Combustible fuels	274	297	303	327	386	420
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	2	1	2	5	*5
Own use in electricity, CHP and heat plants	*10	12	*14	*18	*24	*31
Net production	377	404	407	519	575	613
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*15	*16	*16	*16	*18	*20
Consumption	*361	*388	*390	*502	*557	*593
Energy industries own use	..	..	..	..	..	..
By industry and construction	*18	*19	*19	*33	*33	*35
By transport	..	..	..	..	..	..
By households and other cons.	*343	*369	*371	*469	*524	*558
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	151	156	156	271	271	271
Combustible fuels	149	154	154	266	266	266
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	2	2	5	5	5
Main activity	80	83	83	146	146	146
Combustible fuels	78	81	81	141	141	141
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	2	2	5	5	5
Combustible fuel input	Terajoules					
Gas-diesel oil	*4605	*4902	*4911	*6695	*7082	*7525
Total input	*4605	*4902	*4911	*6695	*7082	*7525
Total production	1389	1491	1512	1926	2140	2300
Estimated efficiency (% of production to input)	30	30	31	29	30	31

Statistics on electricity

Mali

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	1351	1328	1434	1626	1772	1965
Combustible fuels	624	545	475	*629	*758	*861
Hydro	727	783	959	997	1012	1102
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	2	2
Main activity	1299	1276	1382	1574	1712	1905
Combustible fuels	572	493	423	*577	*698	*801
Hydro	727	783	959	997	1012	1102
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	2	2
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	1351	1328	1434	1626	1772	1965
Imports	..	..	..	..	..	..
Exports	*349	*376	*460	*479	*486	*529
Losses	*51	*48	*45	*57	*64	*72
Consumption	*1040	*1013	1094	*1214	*1347	*1489
Energy industries own use	..	..	..	..	..	..
By industry and construction	*499	*486	*525	*583	*647	*715
By transport	..	..	..	..	..	..
By households and other cons.	*541	*527	569	*631	*700	*774
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	655	689	811	*890	*891	*891
Combustible fuels	291	323	363	*400	*400	*400
Hydro	365	367	448	*490	*490	*490
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	*1	*1
Main activity	558	592	714	*780	*781	*781
Combustible fuels	194	226	266	*290	*290	*290
Hydro	365	367	448	*490	*490	*490
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	*1	*1
Combustible fuel input	Terajoules					
Gas-diesel oil	*5796	*4945	*4231	*6097	*7409	*8518
Fuel oil	*808	*808	*808	*606	*646	*646
Total input	*6604	*5753	*5039	*6703	*8055	*9165
Total production	2246	1962	1709	*2263	*2729	*3100
Estimated efficiency (% of production to input)	34	34	34	34	34	34

Statistics on electricity

Malta

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	2187	2307	2251	2245	1303	856
Combustible fuels	2174	2277	2222	2177	1210	731
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	13	30	29	68	93	125
Main activity	2177	2281	2216	2170	1203	723
Combustible fuels	2169	2268	2216	2170	1203	723
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	8	13	0	..	..	..
Own use in electricity, CHP and heat plants	134	135	114	108	64	51
Net production	2053	2172	2137	2137	1239	805
Imports	..	..	..	..	1054	1525
Exports	..	..	..	..	..	..
Losses	187	193	187	132	179	216
Consumption	1866	1979	1950	2005	2114	2114
Energy industries own use	..	..	..	..	..	..
By industry and construction	403	417	404	406	415	411
By transport	..	..	..	..	..	..
By households and other cons.	1463	1562	1546	1599	1699	1703
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	581	644	671	738	757	726
Combustible fuels	574	623	623	623	593	543
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	7	21	48	*115	*164	*183
Main activity	576	636	648	675	664	616
Combustible fuels	571	620	620	620	590	538
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	5	16	28	55	74	*78
Combustible fuel input	Terajoules					
Biogas	32	57	34	36	45	55
Gas-diesel oil	3139	3139	2494	2322	860	129
Fuel oil	21856	23311	18988	18665	10262	7151
Total input	25027	26507	21516	21023	11167	7335
Total production	7826	8197	7999	7837	4356	2632
Estimated efficiency (% of production to input)	31	31	37	37	39	36

Statistics on electricity
Marshall Islands

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*79	78	84	*86	*87	*88
Combustible fuels	*79	78	83	*85	*86	*86
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	0	0	1	1	2
Main activity	*79	78	84	*86	*87	*88
Combustible fuels	*79	78	83	*85	*86	*86
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	0	0	1	1	2
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	*79	78	84	*86	*87	*88
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*10	10	*11	*11	*11	*11
Consumption	*69	68	73	*75	*75	*76
Energy industries own use	..	..	..	..	..	..
By industry and construction	*4	*4	*3	*3	*3	*4
By transport	..	..	..	..	..	..
By households and other cons.	*65	64	70	*72	*72	*73
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	29	33	34	34	37	*38
Combustible fuels	29	33	33	33	36	*36
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	0	*1	1	1	2
Main activity	29	33	34	34	37	*38
Combustible fuels	29	33	33	33	36	*36
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	0	*1	1	1	2
Combustible fuel input	Terajoules					
Gas-diesel oil	*727	714	787	*796	*817	*817
Total input	*727	714	787	*796	*817	*817
Total production	*284	279	300	*306	*308	*308
Estimated efficiency (% of production to input)	39	39	38	38	38	38

Statistics on electricity
Martinique

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	1575	1590	1577	1561	1570	1587
Combustible fuels	1536	1509	1501	1476	1487	1503
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	40	81	77	86	83	83
Main activity	1561	1571	1562	1539	1543	1559
Combustible fuels	1521	1490	1485	1453	1460	1476
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	40	81	77	86	83	83
Own use in electricity, CHP and heat plants	29	29	29	29	31	28
Net production	1546	1561	1548	1533	1539	1558
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*115	*116	115	*120	125	114
Consumption	*1430	1431	1433	1410	1411	1446
Energy industries own use	..	..	..	..	..	..
By industry and construction	131	110	159	128	121	132
By transport	..	..	..	..	..	..
By households and other cons.	*1300	1321	1274	1282	1290	1314
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*415	*461	*463	492	498	496
Combustible fuels	*400	*400	*400	428	432	429
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*15	61	63	64	66	67
Main activity	*411	*457	*459	488	494	492
Combustible fuels	*396	*396	*396	424	428	425
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*15	61	63	64	66	67
Combustible fuel input	Terajoules					
Gas-diesel oil	*989	*1032	*1032	*1118	969	*944
Fuel oil	*12936	*13001	13198	*11865	*12912	*12989
Municipal waste	*475	*625	867	791	*829	793
Total input	*14400	*14658	15097	*13775	*14710	*14725
Total production	5528	5433	5402	5312	5352	5412
Estimated efficiency (% of production to input)	38	37	36	39	36	37

Statistics on electricity

Mauritania

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	744	824	812	851	1002	1006
Combustible fuels	744	824	773	808	868	875
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	39	43	134	132
Main activity	436	501	492	525	662	646
Combustible fuels	436	501	453	482	528	515
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	39	43	134	132
Own use in electricity, CHP and heat plants	14	18	24	25	25	27
Net production	731	806	788	826	977	979
Imports	127	138	174	183	183	221
Exports	..	..	..	..	..	57
Losses	139	141	164	*172	*190	*188
Consumption	698	771	792	844	932	941
Energy industries own use	..	..	..	..	..	..
By industry and construction	309	323	298	326	360	357
By transport	..	..	..	..	..	..
By households and other cons.	390	447	494	519	572	584
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*196	*196	231	240	444	*461
Combustible fuels	*196	*196	209	218	392	*392
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	22	22	52	69
Main activity	*126	*126	161	161	364	*381
Combustible fuels	*126	*126	139	139	312	*312
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	22	22	52	69
Combustible fuel input	Terajoules					
Gas-diesel oil	*4902	*5190	*4532	5173	*5616	*5225
Fuel oil	*2828	*3232	*3030	*3717	*3313	*3083
Total input	*7730	*8422	*7562	8890	*8929	*8307
Total production	2679	2967	2783	2907	3125	3148
Estimated efficiency (% of production to input)	35	35	37	33	35	38

Statistics on electricity
Mauritius

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	2739	2798	2882	2936	2996	3028
Combustible fuels	2679	2719	2781	2817	2845	2894
Hydro	57	74	95	91	122	100
Nuclear	..	..	..	..	..	..
Other	3	5	6	28	29	34
Main activity	1130	1146	1176	1175	1258	1215
Combustible fuels	1070	1068	1078	1081	1133	1112
Hydro	57	74	95	91	122	100
Nuclear	..	..	..	..	..	..
Other	3	4	4	3	3	4
Own use in electricity, CHP and heat plants	44	43	39	42	44	29
Net production	2695	2754	2843	2894	2952	2998
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	194	191	184	182	178	172
Consumption	2491	2561	2657	2708	2770	2819
Energy industries own use	264	267	273	256	264	260
By industry and construction	*682	*687	*714	*715	726	742
By transport	..	..	..	..	..	..
By households and other cons.	1546	1607	1670	1737	1780	1817
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	738	781	778	783	792	838
Combustible fuels	677	718	714	703	711	749
Hydro	60	60	61	61	61	61
Nuclear	..	..	..	..	..	..
Other	1	3	4	19	20	28
Main activity	450	506	501	490	489	499
Combustible fuels	389	445	439	428	427	437
Hydro	60	60	61	61	61	61
Nuclear	..	..	..	..	..	..
Other	1	1	1	1	1	1
Combustible fuel input	Terajoules					
Hard Coal	16017	16848	17731	18344	17647	18091
Biogas	37	*65	*68	*70	73	67
Gas-diesel oil	86	86	43	43	43	45
Fuel oil	8686	8605	8726	8928	9292	8696
Other kerosene	175	131	44	44	44	34
Bagasse	8641	8324	8155	7954	9575	8722
Total input	33643	34060	34766	35383	36675	35654
Total production	9645	9788	10012	10142	10242	10420
Estimated efficiency (% of production to input)	29	29	29	29	28	29

Statistics on electricity
Mayotte

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	262	271	285	299	316	328
Combustible fuels	248	256	268	283	299	311
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	14	15	17	17	17	17
Main activity	262	271	285	299	316	328
Combustible fuels	248	256	268	283	299	311
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	14	15	17	17	17	17
Own use in electricity, CHP and heat plants	12	14	15	16	17	18
Net production	250	257	270	283	299	310
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*10	11	10	10	*10	*10
Consumption	240	246	261	274	*288	*302
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	240	246	261	274	*288	*302
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	90	91	91	*91	*93	*112
Combustible fuels	78	78	78	*78	*80	*99
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	12	*13	13	13	13	*13
Main activity	90	91	91	*91	*93	*112
Combustible fuels	78	78	78	*78	*80	*99
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	12	*13	13	13	13	*13
Combustible fuel input	Terajoules					
Gas-diesel oil	2232	*2322	*2438	*2559	*2683	*2845
Total input	2232	*2322	*2438	*2559	*2683	*2845
Total production	893	920	966	1018	1077	1120
Estimated efficiency (% of production to input)	40	40	40	40	40	39

Statistics on electricity

Mexico

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	302751	307228	297326	301496	310719	320353
Combustible fuels	248219	257001	247163	240279	253005	262310
Hydro	36247	31883	28002	38893	30815	30698
Nuclear	10089	8770	11800	9677	11577	10567
Other	8196	9574	10361	12647	15322	16778
Main activity	266359	262241	258821	258258	262704	266110
Combustible fuels	213610	214591	211680	202346	212385	217231
Hydro	35796	31317	27444	38145	30051	29805
Nuclear	10089	8770	11800	9677	11577	10567
Other	6864	7563	7897	8090	8691	8507
Own use in electricity, CHP and heat plants	22656	22823	10236	11446	12936	17699
Net production	280095	284405	287090	290050	297783	302654
Imports	596	2177	1210	2124	1650	2232
Exports	1293	1116	1240	2653	2320	1968
Losses	45602	44050	42520	41322	40640	40002
Consumption	238955	253065	246503	256779	261850	274210
Energy industries own use	5138	5355	5033	4559	4400	3843
By industry and construction	134551	146746	137391	142326	139990	145945
By transport	1122	1130	1130	1130	1134	1140
By households and other cons.	98144	99834	102949	108764	116326	123282
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	62049	64089	64107	66255	67504	72411
Combustible fuels	47586	48364	48047	48893	49421	53047
Hydro	11571	11626	11633	12464	12223	12580
Nuclear	1365	1400	1400	1400	1510	1608
Other	1527	2699	3027	3498	4350	5176
Main activity	52465	52341	53497	54379	54832	55815
Combustible fuels	38673	38015	39161	39294	39735	40280
Hydro	11453	11498	11509	12269	12028	12348
Nuclear	1365	1400	1400	1400	1510	1608
Other	974	1428	1427	1416	1559	1579
Combustible fuel input	Terajoules					
Hard Coal	161571	139230	125044	150551	146312	169061
Brown Coal	188607	205642	197886	200358	206785	198168
Biogas	1471	1822	1970	1939	1961	1912
Gas-diesel oil	20640	25456	35475	21371	21586	27606
Fuel oil	436199	454581	432522	300010	254762	282194
Liquefied petroleum gas	3122	1372	568	5061	5014	3548
Petroleum coke	37928	39293	40073	39910	39163	29803
Natural gas	1453310	1523582	1423071	1484833	1609427	1684576
Blast furnace gas	5071	3497	4199	4620	5592	4677
Bagasse	31790	41468	53758	71125	68415	70264
Others	1605	9427	2454	1347	845	1064
Total input	2341313	2445369	2317019	2281126	2359862	2472872
Total production	893588	925204	889787	865004	910818	944316
Estimated efficiency (% of production to input)	38	38	38	38	39	38

Statistics on electricity

Micronesia (Fed. States of)

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	65	*66	*67	69	67	*68
Combustible fuels	64	*65	*66	68	66	*66
Hydro	..	..	..	0	0	0
Nuclear	..	..	..	..	..	..
Other	1	1	1	1	1	2
Main activity	65	*66	*67	69	67	*68
Combustible fuels	64	*65	*66	68	66	*66
Hydro	..	..	..	0	0	0
Nuclear	..	..	..	..	..	..
Other	1	1	1	1	1	2
Own use in electricity, CHP and heat plants	3	*3	*3	3	1	2
Net production	62	*63	*65	66	66	*66
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	13	*13	*13	*15	*19	*19
Consumption	*49	*50	*52	*51	46	*46
Energy industries own use	..	..	..	..	..	..
By industry and construction	*11	*11	*11	*14	15	*15
By transport	..	..	..	..	..	..
By households and other cons.	*38	*39	*41	*37	31	*31
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	32	32	32	34	*34	*35
Combustible fuels	32	32	32	32	*32	*32
Hydro	..	..	..	2	2	2
Nuclear	..	..	..	..	..	..
Other	1	1	1	1	1	2
Main activity	32	32	32	34	*34	*35
Combustible fuels	32	32	32	32	*32	*32
Hydro	..	..	..	2	2	2
Nuclear	..	..	..	..	..	..
Other	1	1	1	1	1	2
Combustible fuel input	Terajoules					
Gas-diesel oil	673	*731	*753	*774	834	*834
Total input	673	*731	*753	*774	834	*834
Total production	230	*235	*238	243	236	*236
Estimated efficiency (% of production to input)	34	32	32	31	28	28

Statistics on electricity
Mongolia

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	4536	4816	5020	5376	5513	5667
Combustible fuels	4536	4816	5020	5376	5513	5667
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	4536	4816	5020	5376	5513	5667
Combustible fuels	4536	4816	5020	5376	5513	5667
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	691	712	725	772	778	749
Net production	3846	4103	4294	4603	4735	4918
Imports	276	366	1196	1349	1417	1446
Exports	24	21	18	33	51	36
Losses	644	675	740	793	783	817
Consumption	3453	3773	4732	5159	5284	5446
Energy industries own use	..	..	..	..	..	..
By industry and construction	2141	2339	2931	3172	3261	3356
By transport	144	157	197	211	217	223
By households and other cons.	1169	1277	1605	1776	1806	1867
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*1226	*1226	1278	*1341	*1341	*1359
Combustible fuels	*1200	*1200	1200	*1262	*1262	*1273
Hydro	26	26	26	26	26	29
Nuclear	..	..	..	..	..	..
Other	..	..	52	53	53	57
Main activity	*1050	*1050	1102	*1135	*1135	*1150
Combustible fuels	*1050	*1050	1050	*1082	*1082	*1093
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	52	53	53	57
Combustible fuel input	Terajoules					
Hard Coal	26579	30620	35173	38740	40417	42227
Brown Coal	64469	68053	74013	76185	75744	75391
Gas-diesel oil	3096	2881	3741	3311	3182	2662
Fuel oil	283	283	162	125	129	105
Total input	94427	101836	113088	118361	119472	120385
Total production	16331	17336	18070	19353	19848	20402
Estimated efficiency (% of production to input)	17	17	16	16	17	17

Statistics on electricity

Montenegro

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	2656	2844	3945	3173	3003	3141
Combustible fuels	1452	1367	1441	1421	1512	1298
Hydro	1204	1477	2504	1752	1491	1843
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	2656	2844	3945	3173	3003	3141
Combustible fuels	1452	1367	1441	1421	1512	1298
Hydro	1204	1477	2504	1752	1491	1843
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	153	141	136	135	131	118
Net production	2503	2703	3809	3038	2872	3023
Imports	1993	1440	388	903	1040	1210
Exports	431	228	733	642	517	906
Losses	651	695	758	689	586	541
Consumption	3414	3220	2706	2610	2679	2671
Energy industries own use	..	..	..	..	..	..
By industry and construction	2162	1855	1326	760	767	660
By transport	20	15	20	18	20	21
By households and other cons.	1232	1350	1360	1832	1892	1990
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	877	877	870	870	870	870
Combustible fuels	219	219	219	219	219	219
Hydro	658	658	651	651	651	651
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	877	877	870	870	870	870
Combustible fuels	219	219	219	219	219	219
Hydro	658	658	651	651	651	651
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Brown Coal	17499	15611	15178	14708	15362	12028
Total input	17499	15611	15178	14708	15362	12028
Total production	5227	4921	5188	5116	5443	4673
Estimated efficiency (% of production to input)	30	32	34	35	35	39

Statistics on electricity

Montserrat

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*23	*23	*23	*24	*24	*20
Combustible fuels	*23	*23	*23	*24	*24	*20
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*23	*23	*23	*24	*24	*20
Combustible fuels	*23	*23	*23	*24	*24	*20
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	*2	*2	*2	*2	*2	0
Net production	*21	*21	*21	*22	*22	*20
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*2	*1	*1	*1	*1	*1
Consumption	19	19	20	20	20	*18
Energy industries own use	..	..	..	..	..	..
By industry and construction	*9	*9	*9	*9	*9	*8
By transport	..	..	..	..	..	..
By households and other cons.	10	10	11	11	11	*10
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*5	*5	*5	6	5	5
Combustible fuels	*5	*5	*5	6	5	5
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*5	*5	*5	6	5	5
Combustible fuels	*5	*5	*5	6	5	5
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	*237	*237	*237	*237	*237	*194
Total input	*237	*237	*237	*237	*237	*194
Total production	*83	*83	*83	*86	*86	*72
Estimated efficiency (% of production to input)	35	35	35	37	37	37

Statistics on electricity

Morocco

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	25666	27797	28242	29384	31217	32141
Combustible fuels	21533	23951	22594	24125	25108	25776
Hydro	2139	1816	2990	2033	2282	1662
Nuclear	..	..	..	..	..	..
Other	1994	2030	2658	3226	3827	4703
Main activity	24147	26356	26829	27945	29855	30839
Combustible fuels	21316	23812	22483	23988	25048	25776
Hydro	2139	1816	2990	2033	2282	1662
Nuclear	..	..	..	..	..	..
Other	692	728	1356	1924	2525	3401
Own use in electricity, CHP and heat plants	39	32	40	44	52	50
Net production	25627	27765	28202	29340	31165	32091
Imports	5131	5660	5551	6138	5138	5289
Exports	524	818	151	128	165	135
Losses	4171	4633	4915	5197	5515	5654
Consumption	26066	27973	28687	30153	30624	31592
Energy industries own use	561	628	654	899	685	529
By industry and construction	9555	*10244	10303	10659	10864	11190
By transport	302	320	322	332	345	352
By households and other cons.	15648	16781	17408	18263	18730	19521
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	6377	6692	7342	7994	8155	8261
Combustible fuels	4352	4667	5077	5427	5427	5432
Hydro	1770	1770	1770	1770	1770	1770
Nuclear	..	..	..	..	..	..
Other	255	255	495	797	958	1059
Main activity	6377	6692	7342	7994	8155	8261
Combustible fuels	4352	4667	5077	5427	5427	5432
Hydro	1770	1770	1770	1770	1770	1770
Nuclear	..	..	..	..	..	..
Other	255	255	495	797	958	1059
Combustible fuel input	Terajoules					
Hard Coal	125813	126200	123271	168285	185314	178592
Gas-diesel oil	1720	989	774	645	430	516
Fuel oil	64882	64357	51106	28765	23917	31148
Petroleum coke	0	0	..	..	..	..
Natural gas	31186	46004	44285	42865	43985	45068
Total input	223601	237550	219436	240560	253646	255324
Total production	77519	86224	81338	86850	90389	92794
Estimated efficiency (% of production to input)	35	36	37	36	36	36

Statistics on electricity
Mozambique

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	16830	15166	15645	17739	19641	18697
Combustible fuels	20	21	840	1379	2547	3103
Hydro	16810	15145	14805	16359	17093	15592
Nuclear	..	..	..	..	..	..
Other	..	..	..	1	1	2
Main activity	16482	14903	15382	17271	19471	18620
Combustible fuels	20	21	840	1379	2493	3045
Hydro	16462	14882	14542	15892	16978	15575
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	149	210	220	238	238	58
Net production	16681	14956	15425	17501	19403	18639
Imports	8570	8304	8339	7656	10547	9928
Exports	11954	9791	9058	10199	12876	14269
Losses	2456	2243	2647	2612	5080	2480
Consumption	10141	10939	11605	12342	12180	11383
Energy industries own use	..	..	..	..	..	..
By industry and construction	8681	9448	9295	10651	9800	9100
By transport	..	..	..	..	..	..
By households and other cons.	1460	1491	2310	1691	2380	2283
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	2479	2486	2646	2682	2508	2491
Combustible fuels	249	249	359	359	410	412
Hydro	2230	2237	2287	2322	2097	2078
Nuclear	..	..	..	..	..	..
Other	..	..	..	1	1	1
Main activity	2429	2436	2596	2596	2460	2460
Combustible fuels	249	249	359	359	385	385
Hydro	2180	2187	2237	2237	2075	2075
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	..	..	*6880	*1600	215	215
Natural gas	304	357	3026	16137	23573	24336
Total input	304	357	*9906	17737	23788	24551
Total production	72	76	3024	4964	9168	11172
Estimated efficiency (% of production to input)	24	21	31	28	39	46

Statistics on electricity
Myanmar

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	10425	10965	12247	14156	15970	17867
Combustible fuels	2907	3199	3424	5327	6463	8123
Hydro	7518	7766	8823	8829	9507	9744
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	10425	10923	11302	11197	14156	14390
Combustible fuels	2907	3199	2929	3046	5327	5235
Hydro	7518	7725	8373	8151	8829	9155
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	160	186	182	152	0	0
Net production	10265	10779	12065	14005	15970	17867
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	2548	2524	2452	2750	2573	2385
Consumption	7717	8255	9613	11255	13397	*15482
Energy industries own use	..	..	..	..	..	..
By industry and construction	4336	4600	5849	7142	2145	*2479
By transport	..	..	..	..	..	..
By households and other cons.	3381	3655	3764	4113	11252	*13003
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	3588	3726	4146	4805	5259	5390
Combustible fuels	895	913	1141	1620	2076	2135
Hydro	2693	2813	3005	3185	3183	3255
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	3588	3606	3753	4177	4631	4590
Combustible fuels	895	913	920	1164	1620	1507
Hydro	2693	2693	2833	3013	3011	3083
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Hard Coal	7864	7038	3056	619	465	*605
Gas-diesel oil	1634	3440	2580	4300	4322	6807
Natural gas	22922	30948	40331	71842	89943	123472
Total input	32420	41426	45967	76761	94730	130884
Total production	10465	11515	12326	19179	23268	29243
Estimated efficiency (% of production to input)	32	28	27	25	25	22

Statistics on electricity

Namibia

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	1607	1538	1712	1498	1536	1421
Combustible fuels	9	67	72	13	34	62
Hydro	1598	1471	1640	1485	1502	1359
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	1607	1538	1712	1498	1536	1421
Combustible fuels	9	67	72	13	34	62
Hydro	1598	1471	1640	1485	1502	1359
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	1607	1538	1712	1498	1536	1421
Imports	2389	2226	2916	2886	2678	3073
Exports	79	88	89	84	88	99
Losses	360	426	369	543	337	486
Consumption	3467	3635	3772	3747	3782	3909
Energy industries own use	..	..	..	..	..	..
By industry and construction	817	795	786	716	613	585
By transport	..	..	..	..	..	..
By households and other cons.	2650	2840	2986	3031	3169	3324
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	393	508	487	487	497	497
Combustible fuels	144	167	155	155	155	143
Hydro	249	341	332	332	337	350
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	5	*5
Main activity	393	508	487	487	497	497
Combustible fuels	144	167	155	155	155	143
Hydro	249	341	332	332	337	350
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	5	*5
Combustible fuel input	Terajoules					
Hard Coal	136	726	590	0	91	772
Gas-diesel oil	0	*215	*430	172	387	129
Total input	136	941	1020	172	478	901
Total production	32	241	259	47	122	223
Estimated efficiency (% of production to input)	24	26	25	27	26	25

Statistics on electricity
Nauru

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	23	24	*24	*25	*25	*25
Combustible fuels	23	24	*24	*25	*25	*25
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Main activity	23	24	*24	*25	*25	*25
Combustible fuels	23	24	*24	*25	*25	*25
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	23	24	*24	*25	*25	*25
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*2	*2	*2	*2	*2	*2
Consumption	21	*21	*22	*23	*23	*23
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	21	*21	*22	*23	*23	*23
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	5	5	*6	*6	*6	*7
Combustible fuels	5	5	*5	*6	*6	*6
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	1
Main activity	5	5	*6	*6	*6	*7
Combustible fuels	5	5	*5	*6	*6	*6
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	1
Combustible fuel input	Terajoules					
Gas-diesel oil	276	283	*292	*305	*305	*307
Total input	276	283	*292	*305	*305	*307
Total production	83	85	*87	*90	*90	*91
Estimated efficiency (% of production to input)	30	30	30	29	29	30

Statistics on electricity
Nepal

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	3492	3543	3130	3508	3503	4244
Combustible fuels	2	10	10	10	..	..
Hydro	3490	3533	3120	3498	3496	4237
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	7	7
Main activity	3433	3459	2993	3368	3349	4089
Combustible fuels	2	10	10	10	..	..
Hydro	3431	3449	2983	3358	3342	4082
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	7	7
Own use in electricity, CHP and heat plants	32	24	40	15	39	48
Net production	3460	3519	3090	3493	3464	4196
Imports	746	793	1072	1319	1758	2175
Exports	4	4	4	3	3	3
Losses	1102	1066	745	*1200	1315	1433
Consumption	3099	3240	3413	3491	3896	4925
Energy industries own use	..	..	..	..	..	..
By industry and construction	1124	1168	1222	1252	1210	1735
By transport	7	8	6	6	6	7
By households and other cons.	1968	2064	2185	2233	2680	3183
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*762	*762	*772	*829	798	979
Combustible fuels	53	53	53	53	53	53
Hydro	*709	*709	*718	*776	738	919
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	*7	*7
Main activity	*607	*607	*617	*654	701	701
Combustible fuels	53	53	53	53	53	53
Hydro	*554	*554	*563	*601	641	641
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	*7	*7
Combustible fuel input	Terajoules					
Fuel oil	22	101	89	*89	0	0
Total input	22	101	89	*89	0	0
Total production	7	36	36	35	..	..
Estimated efficiency (% of production to input)	32	36	41	39	..	..

Statistics on electricity
Netherlands

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	113963	103298	101736	103418	110070	115170
Combustible fuels	104412	93925	92494	92488	97078	101186
Hydro	57	104	114	112	93	100
Nuclear	4141	3915	2891	4091	4077	3960
Other	5353	5354	6237	6727	8822	9924
Main activity	89215	78150	77128	81458	87478	92253
Combustible fuels	80830	70044	69496	72440	76878	80837
Hydro	57	104	114	112	93	100
Nuclear	4141	3915	2891	4091	4077	3960
Other	4187	4087	4627	4815	6430	7356
Own use in electricity, CHP and heat plants	4818	4651	4799	4644	4984	4186
Net production	109145	98647	96937	98774	105086	110984
Imports	20620	32156	33252	32855	30760	24258
Exports	11531	15046	15015	18128	22012	19343
Losses	5198	5191	5133	4934	5264	5434
Consumption	112958	108477	109787	107028	108057	110760
Energy industries own use	5081	4747	5652	5592	4945	5132
By industry and construction	39122	34904	34736	33095	34247	35740
By transport	1741	1763	1750	1716	1752	1871
By households and other cons.	67014	67063	67649	66625	67113	68017
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	28053	29924	30539	31762	33866	34176
Combustible fuels	24970	26518	26520	27286	28401	27311
Hydro	37	37	37	37	37	37
Nuclear	510	510	485	485	485	485
Other	2536	2859	3497	3954	4943	6343
Main activity	22022	23714	24136	24969	26825	26730
Combustible fuels	19609	21203	21390	22092	23400	22391
Hydro	37	37	37	37	37	37
Nuclear	510	510	485	485	485	485
Other	1866	1964	2224	2355	2903	3817
Combustible fuel input	Terajoules					
Hard Coal	187705	217567	221265	257247	336307	306318
Biogas	7712	7108	6640	6169	6110	6245
Gas-diesel oil	430	688	1032	2924	817	645
Refinery gas	21434	17325	17375	20345	15345	13613
Natural gas	559525	461008	450275	423496	376701	416051
Coke-oven gas	1938	2237	2307	1965	1909	1495
Blast furnace gas	25281	25063	23532	24677	24325	22715
Fuelwood	*21574	*21433	*10363	*8938	*7725	*9465
Vegetal waste	*10947	*11268	*12918	*12717	*13413	*12082
Municipal waste	54776	67182	70182	70843	70793	75189
Others	1891	1246	764	3096	..	..
Total input	893213	832125	816652	832416	853445	863818
Total production	375883	338130	332978	332957	349481	364270
Estimated efficiency (% of production to input)	42	41	41	40	41	42

Statistics on electricity
New Caledonia

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	2258	2287	2505	3011	2903	3130
Combustible fuels	1833	1828	1992	2660	2494	2842
Hydro	376	398	456	289	340	232
Nuclear	..	..	..	..	..	..
Other	50	62	57	62	68	57
Main activity	2258	2287	2505	3011	2903	3130
Combustible fuels	1833	1828	1992	2660	2494	2842
Hydro	376	398	456	289	340	232
Nuclear	..	..	..	..	..	..
Other	50	62	57	62	68	57
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	2258	2287	2505	3011	2903	3130
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	64	70	68	58	61	90
Consumption	2195	2217	2437	2953	2842	3040
Energy industries own use	..	..	..	..	..	..
By industry and construction	1589	1596	1808	2324	2193	2354
By transport	..	..	..	..	..	..
By households and other cons.	605	621	630	630	650	686
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	498	503	691	683	998	1001
Combustible fuels	380	384	572	565	875	875
Hydro	78	78	78	78	78	78
Nuclear	..	..	..	..	..	..
Other	41	41	41	40	44	48
Main activity	494	495	630	622	937	940
Combustible fuels	377	377	512	505	815	815
Hydro	78	78	78	78	78	78
Nuclear	..	..	..	..	..	..
Other	40	41	41	40	44	46
Combustible fuel input	Terajoules					
Hard Coal	7441	7088	7790	10405	12389	17157
Gas-diesel oil	340	314	2666	6717	3500	2700
Fuel oil	14071	13946	13001	15320	15792	16677
Other kerosene	*131	*88	83	293	237	311
Bitumen	12	12	52	145	133	133
Other liquid biofuels	..	..	*5	*5	*5	*7
Total input	21996	21447	23597	32885	32056	36986
Total production	6598	6580	7170	9576	8979	10230
Estimated efficiency (% of production to input)	30	31	30	29	28	28

Statistics on electricity

New Zealand

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	44196	44005	43041	43316	44040	43033
Combustible fuels	11202	13021	11703	9624	9383	7464
Hydro	24861	22667	22829	24123	24355	25730
Nuclear	..	..	..	..	..	..
Other	8133	8317	8509	9569	10302	9839
Main activity	42847	42569	41541	41822	42506	41564
Combustible fuels	9976	11698	10341	8282	8020	6182
Hydro	24848	22654	22817	24114	24346	25721
Nuclear	..	..	..	..	..	..
Other	8023	8217	8383	9426	10140	9661
Own use in electricity, CHP and heat plants	1431	1456	1382	1308	1327	551
Net production	42765	42549	41659	42008	42713	42482
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	2999	2996	2890	2852	2845	3038
Consumption	39201	39224	38887	39350	39467	39178
Energy industries own use	593	611	613	595	706	718
By industry and construction	14709	13928	13832	14075	13739	13920
By transport	62	62	62	62	63	62
By households and other cons.	23837	24623	24380	24618	24959	24478
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	9460	9689	9529	9770	9454	9301
Combustible fuels	2929	2988	2738	2741	2388	2221
Hydro	5254	5324	5329	5329	5340	5360
Nuclear	..	..	..	..	..	..
Other	1277	1377	1462	1700	1726	1720
Main activity	9206	9434	9271	9500	9165	9008
Combustible fuels	2708	2767	2517	2520	2167	2000
Hydro	5251	5321	5326	5326	5337	5357
Nuclear	..	..	..	..	..	..
Other	1247	1346	1428	1654	1661	1651
Combustible fuel input	Terajoules					
Brown Coal	15559	27170	16506	12399	11292	4581
Biogas	2376	2372	2458	2722	2833	2966
Gas-diesel oil	0	43	43	43	0	43
Natural gas	70248	71157	70959	58208	56442	50938
Coke-oven gas	1836	1846	2130	2007	2119	1854
Blast furnace gas	4921	5530	5541	5482	5617	5377
Fuelwood	3997	3860	3961	3961	3787	4655
Total input	98937	111978	101598	84822	82090	70414
Total production	40327	46876	42131	34646	33779	26870
Estimated efficiency (% of production to input)	41	42	41	41	41	38

Statistics on electricity

Nicaragua

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	3824	4031	4164	4453	4578	4590
Combustible fuels	2896	2759	2467	2550	2740	2729
Hydro	444	419	456	395	295	426
Nuclear	..	..	..	..	..	..
Other	484	853	1241	1508	1543	1435
Main activity	3405	3529	3629	3908	4069	4000
Combustible fuels	2477	2258	1933	2006	2232	2140
Hydro	444	418	455	394	294	425
Nuclear	..	..	..	..	..	..
Other	484	853	1241	1508	1543	1435
Own use in electricity, CHP and heat plants	306	352	400	161	364	393
Net production	3518	3679	3764	4292	4214	4197
Imports	10	20	52	22	34	205
Exports	41	3	16	49	22	18
Losses	674	642	643	926	837	1051
Consumption	2821	3041	3196	3325	3396	3340
Energy industries own use	..	..	..	..	..	..
By industry and construction	1010	1106	1065	1105	1128	1110
By transport	..	..	..	..	..	..
By households and other cons.	1811	1935	2131	2220	2268	2230
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	1109	1287	1290	1329	1346	1396
Combustible fuels	853	870	869	866	866	912
Hydro	105	106	120	120	138	142
Nuclear	..	..	..	..	..	..
Other	151	311	301	342	342	342
Main activity	987	1152	1155	1194	1211	1219
Combustible fuels	731	736	735	733	733	735
Hydro	105	105	119	119	137	142
Nuclear	..	..	..	..	..	..
Other	151	311	301	342	342	342
Combustible fuel input	Terajoules					
Gas-diesel oil	602	602	473	645	645	602
Fuel oil	22422	20362	17332	17816	20119	19473
Bagasse	*9514	*11660	*15255	*15695	*16735	*14364
Vegetal waste	*1413	*1572	*1943	*3007	*3044	*2454
Total input	33951	34196	35003	*37163	40543	36893
Total production	10426	9932	8881	9180	9864	9824
Estimated efficiency (% of production to input)	31	29	25	25	24	27

Statistics on electricity
Niger

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	324	392	438	499	526	526
Combustible fuels	324	392	438	499	526	526
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Main activity	270	338	399	387	412	406
Combustible fuels	270	338	399	387	412	406
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	42	45	44	18	44	68
Net production	282	347	394	481	482	458
Imports	607	637	602	727	782	779
Exports	4	4	3	0	0	..
Losses	145	160	156	191	215	209
Consumption	738	826	836	858	916	975
Energy industries own use	..	..	..	..	..	..
By industry and construction	225	238	225	*215	218	274
By transport	..	..	..	..	..	..
By households and other cons.	512	588	611	644	699	701
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*138	*139	181	182	187	*182
Combustible fuels	*134	*134	172	172	176	*170
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	4	5	9	10	11	12
Main activity	*108	*109	139	140	143	*138
Combustible fuels	*105	*105	134	134	136	*130
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	3	4	5	6	7	8
Combustible fuel input	Terajoules					
Hard Coal	3858	4046	3597	4234	3534	3728
Gas-diesel oil	761	1372	2000	1883	2253	2279
Fuel oil	137	..	..	..	..	..
Liquefied petroleum gas	..	90	473	710	596	..
Total input	4756	5508	6069	6827	6384	6007
Total production	1166	1410	1576	1796	1893	1894
Estimated efficiency (% of production to input)	25	26	26	26	30	32

Statistics on electricity
Nigeria

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	27034	28706	28883	30390	31426	30897
Combustible fuels	21151	23047	23557	25044	25708	25311
Hydro	5883	5659	5326	5346	5718	5586
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	20032	21271	23626	24808	25691	25252
Combustible fuels	14269	15727	18409	19571	20090	19780
Hydro	5763	5544	5217	5237	5601	5472
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	774	822	827	870	900	885
Net production	26260	27884	28056	29520	30526	30012
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	4055	4306	4332	4559	4714	4635
Consumption	23679	25399	23689	24625	25270	25515
Energy industries own use	232	240	202	186	179	207
By industry and construction	3699	3983	3899	4057	4165	4101
By transport	..	..	..	..	..	..
By households and other cons.	19748	21176	19588	20382	20926	21207
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*8902	*8902	*9822	*10396	*10428	*12373
Combustible fuels	*6972	*6972	*7892	*8458	*8458	*10403
Hydro	*1930	*1930	*1930	*1938	*1970	*1970
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*6770	*6770	*7690	*7356	*7388	*9071
Combustible fuels	*4880	*4880	*5800	*5458	*5458	*7141
Hydro	*1890	*1890	*1890	*1898	*1930	*1930
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Natural gas	211510	230470	235570	250440	257080	253110
Total input	211510	230470	235570	250440	257080	253110
Total production	76144	82969	84805	90158	92549	91120
Estimated efficiency (% of production to input)	36	36	36	36	36	36

Statistics on electricity

Niue

Item	2011	2012	2013	2014	2015	2016
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	0	0	0	0	0	0
Main activity	3	3	3	3	3	*3
Combustible fuels	3	3	3	3	3	*3
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
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	0	0	0	0	0	0
Consumption	3	3	3	3	3	*3
Energy industries own use	..	..	..	..	..	..
By industry and construction	1	1	1	1	1	*1
By transport	..	..	..	..	..	..
By households and other cons.	2	2	2	2	2	*2
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	0	0	0	0	0	0
Main activity	2	2	2	2	*2	*2
Combustible fuels	2	2	2	2	*2	*2
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Combustible fuel input	Terajoules					
Gas-diesel oil	32	30	31	31	34	*34
Total input	32	30	31	31	34	*34
Total production	12	12	12	11	12	*12
Estimated efficiency (% of production to input)	37	40	38	36	35	35

Statistics on electricity

Northern Mariana Islands

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*407	*411	*415	*419	*430	*387
Combustible fuels	*407	*411	*415	*419	*430	*387
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*407	*411	*415	*419	*430	*387
Combustible fuels	*407	*411	*415	*419	*430	*387
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	*407	*411	*415	*419	*430	*387
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*91	*91	*92	*93	*96	*86
Consumption	*316	*319	*322	*326	*334	*301
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	*316	*319	*322	*326	*334	*301
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*82	*88	*91	95	*95	95
Combustible fuels	*82	*88	*91	95	*95	95
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*82	*88	*91	95	*95	95
Combustible fuels	*82	*88	*91	95	*95	95
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Total input	..	..	..	..	..	..
Total production	*1464	*1479	*1493	*1508	*1547	*1392
Estimated efficiency (% of production to input)	..	..	..	..	..	..

Statistics on electricity

Norway

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	127562	147663	134072	141970	144546	149630
Combustible fuels	4645	3303	3249	3265	3285	3212
Hydro	121553	142810	128699	136185	138450	144005
Nuclear	..	..	..	..	..	..
Other	1364	1550	2124	2520	2811	2413
Main activity	125055	145099	131647	139383	141950	147032
Combustible fuels	2138	739	824	678	689	614
Hydro	121553	142810	128699	136185	138450	144005
Nuclear	..	..	..	..	..	..
Other	1364	1550	2124	2520	2811	2413
Own use in electricity, CHP and heat plants	523	535	587	629	642	0
Net production	127039	147128	133485	141341	143904	149630
Imports	11254	4191	10135	6347	7371	5740
Exports	14329	22006	15141	21932	22016	22151
Losses	7298	9158	8060	7605	7469	9170
Consumption	115686	118933	118876	116697	120283	122672
Energy industries own use	8038	8617	7877	8115	9206	9027
By industry and construction	44195	43492	43348	44446	45012	45756
By transport	545	622	632	654	821	970
By households and other cons.	62908	66202	67019	63482	65244	66919
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	32082	32860	33486	33697	33837	33825
Combustible fuels	1566	1611	1600	1563	1563	1073
Hydro	29969	30509	31033	31240	31372	31834
Nuclear	..	..	..	..	..	..
Other	547	740	853	894	902	918
Main activity	31529	32307	32933	33144	33284	33272
Combustible fuels	1013	1058	1047	1010	1010	520
Hydro	29969	30509	31033	31240	31372	31834
Nuclear	..	..	..	..	..	..
Other	547	740	853	894	902	918
Combustible fuel input	Terajoules					
Hard Coal	703	618	674	703	703	731
Biogas	93	69	64	193	181	130
Gas-diesel oil	215	258	258	258	172	258
Liquefied petroleum gas	0	0	0	0	0	0
Refinery gas	0	0	0	0	0	..
Natural gas	36305	16130	14820	15492	15345	15362
Blast furnace gas	523	658	845	938	1088	1006
Fuelwood	1300	1035	1269	77	94	309
Municipal waste	5234	6482	8242	9146	8670	8610
Other liquid biofuels	0	0	0	0	0	0
Total input	44372	25250	26172	26806	26252	26406
Total production	16722	11891	11696	11754	11826	11563
Estimated efficiency (% of production to input)	38	47	45	44	45	44

Statistics on electricity

Oman

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	21874	25017	26240	29128	32758	34210
Combustible fuels	21874	25017	26240	29128	32758	34210
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	21874	25017	26240	29128	32758	34210
Combustible fuels	21874	25017	26240	29128	32758	34210
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	520	652	579	785	676	609
Net production	21354	24365	25661	28343	32082	33601
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	2842	3410	2871	3170	3170	3242
Consumption	18513	20956	22790	25173	28912	30359
Energy industries own use	..	..	..	..	..	..
By industry and construction	2584	3436	3686	4189	4723	5153
By transport	..	..	..	..	..	..
By households and other cons.	15929	17520	19104	20984	24189	25206
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	4861	5808	6598	8214	7868	7898
Combustible fuels	4861	5808	6598	8214	7868	7898
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	4861	5808	6598	8214	7868	7898
Combustible fuels	4861	5808	6598	8214	7868	7898
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	5676	6278	7009	7697	8686	9632
Natural gas	257745	289108	285035	305274	325455	311895
Total input	263421	295386	292044	312971	334141	321527
Total production	78746	90061	94464	104861	117929	123156
Estimated efficiency (% of production to input)	30	30	32	34	35	38

Statistics on electricity
Pakistan

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*95090	*96121	*104067	*106966	*111299	*123118
Combustible fuels	*61308	*61711	*66707	*67886	*70512	*81268
Hydro	28517	29857	31873	32474	34633	32183
Nuclear	5265	4553	5090	5804	4605	6999
Other	..	..	397	802	1549	2668
Main activity	55416	57125	60306	60531	65027	71568
Combustible fuels	*21634	*22715	*22946	*21451	*24240	*29718
Hydro	28517	29857	31873	32474	34633	32183
Nuclear	5265	4553	5090	5804	4605	6999
Other	..	..	397	802	1549	2668
Own use in electricity, CHP and heat plants	2382	3340	3757	3984	4123	4502
Net production	*92708	*92781	*100310	*102982	*107176	*118616
Imports	274	375	419	443	463	496
Exports	..	..	..	..	..	..
Losses	16054	16372	16932	17627	17209	23582
Consumption	76761	76788	83409	85818	90429	95529
Energy industries own use	..	..	..	..	..	..
By industry and construction	21801	22313	24356	24979	25035	24010
By transport	1	0	0	0	0	0
By households and other cons.	54959	54475	59053	60839	65394	71519
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*22847	*22918	*23636	*23759	*25889	*29944
Combustible fuels	*15454	*15289	*15887	*15541	*17115	*20488
Hydro	6556	6773	6893	7030	7122	7129
Nuclear	787	750	750	750	750	1090
Other	50	106	106	438	902	1237
Main activity	14494	14735	15079	15388	16670	18908
Combustible fuels	*7101	*7106	*7330	*7170	*7896	*9452
Hydro	6556	6773	6893	7030	7122	7129
Nuclear	787	750	750	750	750	1090
Other	50	106	106	438	902	1237
Combustible fuel input	Terajoules					
Hard Coal	2625	1545	3949	3556	5024	20662
Gas-diesel oil	8308	8944	12470	23134	12040	11954
Fuel oil	299021	*305626	*352975	*342552	302394	333462
Natural gas	281892	296600	276430	286708	359108	361882
Total input	591845	612715	*645824	*655949	678566	727960
Total production	*220709	*222160	*240145	*244390	*253843	*292565
Estimated efficiency (% of production to input)	37	36	37	37	37	40

Statistics on electricity
Palau

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	95	*86	*87	*90	*90	*95
Combustible fuels	95	*86	*87	*90	*90	*95
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	89	*80	*81	*84	*84	*89
Combustible fuels	89	*80	*81	*84	*84	*89
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	*7	*6	*6	*6	*6	*6
Net production	88	*80	*82	*84	*84	*89
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*14	*14	*14	*14	*14	*15
Consumption	72	*64	*65	*67	*67	*71
Energy industries own use	..	..	..	..	..	..
By industry and construction	4	*5	*5	*5	*6	*6
By transport	..	..	..	..	..	..
By households and other cons.	68	*59	*60	*62	*61	*65
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*30	*30	*30	30	30	*30
Combustible fuels	*30	*30	*30	30	30	*30
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*28	*28	*28	28	28	*28
Combustible fuels	*28	*28	*28	28	28	*28
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	*1032	*946	*963	*980	*980	*1075
Total input	*1032	*946	*963	*980	*980	*1075
Total production	341	*309	*315	*323	*323	*341
Estimated efficiency (% of production to input)	33	33	33	33	33	32

Statistics on electricity

Panama

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	7857	8606	8962	9287	10295	10885
Combustible fuels	3759	3218	3808	4136	3604	3666
Hydro	4098	5388	5154	5034	6257	6523
Nuclear	..	..	..	..	..	..
Other	..	..	..	118	435	697
Main activity	7834	8580	8929	9256	10262	10853
Combustible fuels	3736	3192	3775	4105	3570	3634
Hydro	4098	5388	5154	5034	6257	6523
Nuclear	..	..	..	..	..	..
Other	..	..	..	118	435	697
Own use in electricity, CHP and heat plants	175	178	211	200	201	207
Net production	7682	8428	8751	9087	10095	10678
Imports	72	19	75	193	17	30
Exports	8	59	71	99	139	398
Losses	1123	1190	1220	1328	1400	1512
Consumption	6695	7176	7511	7832	8549	8761
Energy industries own use	..	..	..	..	..	..
By industry and construction	660	695	706	689	669	647
By transport	..	..	..	19	42	37
By households and other cons.	6035	6481	6805	7124	7837	8077
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	2391	2422	2546	2829	3224	3371
Combustible fuels	1040	954	1032	1148	1202	1235
Hydro	1351	1468	1494	1623	1726	1769
Nuclear	..	..	..	..	..	..
Other	0	0	20	57	296	367
Main activity	2167	2198	2333	2560	2992	3139
Combustible fuels	881	795	879	939	1030	1063
Hydro	1286	1403	1434	1563	1666	1709
Nuclear	..	..	..	..	..	..
Other	0	0	20	57	296	367
Combustible fuel input	Terajoules					
Hard Coal	6115	8333	8798	9082	9133	8075
Gas-diesel oil	10062	3010	5676	9546	2555	1935
Fuel oil	20038	18301	12484	6828	19386	21312
Bagasse	2221	2476	3081	2874	2900	4001
Total input	38436	32121	30038	28329	33974	35324
Total production	13534	11583	13708	14888	12974	13199
Estimated efficiency (% of production to input)	35	36	46	53	38	37

Statistics on electricity

Papua New Guinea

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	3666	3764	3964	4176	4324	4445
Combustible fuels	2275	2359	2546	2734	2890	3020
Hydro	969	983	996	1020	1012	1005
Nuclear	..	..	..	..	..	..
Other	422	422	422	422	422	420
Main activity	885	896	905	940	917	925
Combustible fuels	267	264	260	280	256	275
Hydro	618	632	645	660	661	650
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	0	1	0	0	0	116
Net production	3666	3763	3964	4176	4324	4329
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*407	*434	454	512	442	337
Consumption	3259	3329	3513	3664	3882	3991
Energy industries own use	..	..	..	..	..	..
By industry and construction	2362	2432	2559	2652	2838	2931
By transport	..	..	..	..	..	..
By households and other cons.	*897	*897	*954	*1012	*1044	*1061
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*788	*795	*865	*872	*855	*858
Combustible fuels	*478	*478	*548	*566	*553	*556
Hydro	254	261	261	250	*249	*249
Nuclear	..	..	..	..	..	..
Other	56	56	56	*56	53	53
Main activity	273	280	280	267	*253	*256
Combustible fuels	118	*118	*118	116	*103	*106
Hydro	155	162	162	151	*150	*150
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	10965	4313	5151	3896	4312	3894
Fuel oil	12928	17921	19263	21856	22273	22693
Natural gas	5896	5024	5150	6155	5359	5443
Total input	29789	27259	29564	31907	31944	32030
Total production	8190	8492	9166	9842	10404	10872
Estimated efficiency (% of production to input)	27	31	31	31	33	34

Statistics on electricity

Paraguay

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	57625	60235	60381	55282	55744	63771
Combustible fuels	1	3	3	6	1	1
Hydro	57624	60232	60378	55276	55743	63770
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	57625	60235	60381	55282	55744	63771
Combustible fuels	1	3	3	6	1	1
Hydro	57624	60232	60378	55276	55743	63770
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	501	504	506	448	451	523
Net production	57124	59730	59875	54834	55293	63248
Imports	..	..	..	..	..	..
Exports	46120	47663	47365	41400	41127	48415
Losses	3433	3845	3492	3402	3590	3821
Consumption	7571	8222	9018	10030	10576	11012
Energy industries own use	..	..	..	..	..	..
By industry and construction	3114	3343	3567	3801	4010	4105
By transport	..	..	..	..	..	..
By households and other cons.	4456	4879	5451	6229	6567	6907
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	8816	8816	8825	8825	8825	8811
Combustible fuels	6	6	15	15	15	1
Hydro	8810	8810	8810	8810	8810	8810
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	8816	8816	8825	8825	8825	8811
Combustible fuels	6	6	15	15	15	1
Hydro	8810	8810	8810	8810	8810	8810
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	6	22	22	57	18	17
Total input	6	22	22	57	18	17
Total production	3	11	11	21	5	5
Estimated efficiency (% of production to input)	58	51	51	37	28	27

Statistics on electricity

Peru

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	38811	40044	43330	45508	48277	52720
Combustible fuels	17248	17951	20812	22882	23729	26630
Hydro	21562	22032	22320	22171	23722	24785
Nuclear	..	..	..	..	..	..
Other	1	61	198	455	826	1305
Main activity	36253	37369	40665	42844	45719	50465
Combustible fuels	15220	15817	18757	20778	21766	25024
Hydro	21032	21491	21709	21611	23127	24136
Nuclear	..	..	..	..	..	..
Other	1	61	198	455	826	1305
Own use in electricity, CHP and heat plants	558	564	589	800	567	1831
Net production	38253	39480	42741	44708	47710	50889
Imports	6	5	0	0	1	22
Exports	0	2	0	13	55	38
Losses	3109	3380	4556	5018	5324	5484
Consumption	35125	35969	38208	39719	42334	45390
Energy industries own use	..	..	..	..	..	..
By industry and construction	18580	19027	20686	21798	23446	26054
By transport	3	3	22	37	48	46
By households and other cons.	16542	16939	17499	17884	18840	19290
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	8691	9699	11051	11203	12089	14517
Combustible fuels	5240	6134	7414	7302	7619	8988
Hydro	3451	3484	3556	3662	4130	5189
Nuclear	..	..	..	..	..	..
Other	1	81	81	239	340	340
Main activity	7314	8267	9635	9739	10511	13044
Combustible fuels	3957	4806	6104	5942	6145	7632
Hydro	3357	3381	3451	3558	4026	5072
Nuclear	..	..	..	..	..	..
Other	1	81	81	239	340	340
Combustible fuel input	Terajoules					
Hard Coal	11863	9752	13489	8095	6694	12095
Biogas	0	877	806	821	985	1372
Gas-diesel oil	7009	7955	5633	5074	5203	8041
Fuel oil	21897	8201	8565	6181	5858	6908
Refinery gas	1238	1238	1287	1485	1485	0
Natural gas	149954	164487	150325	175586	182405	199607
Bagasse	12502	10324	15622	21452	14363	11792
Biodiesel	0	0	0	0	0	..
Total input	204463	202834	195727	218694	216993	239815
Total production	62092	64624	74925	82375	85424	95868
Estimated efficiency (% of production to input)	30	32	38	38	39	40

Statistics on electricity
Philippines

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	69210	72956	75300	77295	82447	90832
Combustible fuels	49463	52360	55592	57664	61835	69561
Hydro	9715	10269	10036	9154	8682	8128
Nuclear	..	..	..	..	..	..
Other	10032	10327	9672	10477	11931	13143
Main activity	69176	72922	75266	77261	82413	90798
Combustible fuels	49446	52343	55575	57647	61818	69544
Hydro	9698	10252	10019	9137	8665	8111
Nuclear	..	..	..	..	..	..
Other	10032	10327	9672	10477	11931	13143
Own use in electricity, CHP and heat plants	5398	5351	5960	6646	7124	8357
Net production	63811	67605	69340	70649	75323	82475
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	7680	8360	7741	7270	7481	8286
Consumption	56097	59211	61566	63345	67808	74154
Energy industries own use	..	..	..	..	..	..
By industry and construction	19334	20071	20677	21429	22514	24119
By transport	111	117	112	111	98	103
By households and other cons.	36653	39023	40777	41805	45196	49933
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	16189	17052	17349	17839	18596	21043
Combustible fuels	10782	11514	11793	12056	12455	14485
Hydro	3507	3537	3537	3559	3632	3450
Nuclear	..	..	..	..	..	..
Other	1900	2001	2019	2224	2509	3108
Main activity	16163	17026	17323	17813	18570	21017
Combustible fuels	10772	11504	11783	12046	12445	14475
Hydro	3491	3521	3521	3543	3616	3434
Nuclear	..	..	..	..	..	..
Other	1900	2001	2019	2224	2509	3108
Combustible fuel input	Terajoules					
Brown Coal	242221	263790	326840	344453	387713	425312
Gas-diesel oil	7977	8514	10866	14732	12711	21251
Fuel oil	25973	32869	35055	44137	47559	31666
Natural gas	147207	141010	128781	135141	127938	146239
Bagasse	998	2034	2122	1817	4590	9867
Municipal waste	1096	925	1499	1640	955	447
Biodiesel	55	152	191	269	233	372
Total input	425527	449296	505355	542188	581699	635153
Total production	178068	188497	200131	207590	222604	250421
Estimated efficiency (% of production to input)	42	42	40	38	38	39

Statistics on electricity
Poland

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	163548	162139	164580	159059	164944	166635
Combustible fuels	157477	154845	155467	148500	151478	151234
Hydro	2761	2465	2997	2734	2435	2622
Nuclear	..	..	..	..	..	..
Other	3310	4829	6116	7825	11031	12779
Main activity	155206	153690	155663	150178	155562	156178
Combustible fuels	149242	146480	146665	139771	142272	140971
Hydro	2759	2463	2994	2731	2432	2619
Nuclear	..	..	..	..	..	..
Other	3205	4747	6004	7676	10858	12588
Own use in electricity, CHP and heat plants	14635	14490	14501	13845	14249	14632
Net production	148913	147649	150079	145214	150695	152003
Imports	6780	9803	7801	13508	14459	14017
Exports	12022	12643	12322	11342	14793	12018
Losses	10638	10884	10247	10250	10534	9495
Consumption	133033	133925	135311	137130	139827	144507
Energy industries own use	11541	11756	11754	11783	12008	11668
By industry and construction	44132	44714	47290	47585	49482	51210
By transport	3317	3200	3156	3007	3107	3287
By households and other cons.	74043	74255	73111	74755	75230	78342
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	34554	35283	35815	35989	37327	38105
Combustible fuels	30405	30365	30027	29760	29961	29783
Hydro	2346	2351	2355	2364	2370	2386
Nuclear	..	..	..	..	..	..
Other	1803	2567	3433	3865	4996	5936
Main activity	32823	33514	34009	34141	35189	36027
Combustible fuels	28678	28600	28226	27942	27934	27895
Hydro	2345	2350	2354	2363	2369	2385
Nuclear	..	..	..	..	..	..
Other	1800	2564	3429	3836	4886	5747
Combustible fuel input	Terajoules					
Hard Coal	1045664	958319	978720	900363	912442	938903
Brown Coal	516512	524934	542388	514876	508760	485377
Biogas	3312	4204	4872	5718	6298	7231
Fuel oil	16402	14665	12726	11352	15837	16443
Natural gas	53135	57640	47363	47736	57442	68953
Coke-oven gas	17958	17309	19410	19325	22755	24895
Blast furnace gas	11001	11328	11729	13937	16242	14630
Fuelwood	*24952	*34647	*40601	*42549	*43633	*44590
Vegetal waste	*51865	*69253	*45098	*52728	*50530	*26554
Municipal waste	403	371	337	237	727	3959
Others	8025	7700	7887	7194	6620	5793
Total input	1749230	1700369	1711131	1616016	1641286	1637328
Total production	566917	557442	559681	534600	545321	544442
Estimated efficiency (% of production to input)	32	33	33	33	33	33

Statistics on electricity

Portugal

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	52463	46614	51672	52802	52420	60280
Combustible fuels	30693	29151	24110	23440	30005	29903
Hydro	12115	6660	14868	16412	9799	16909
Nuclear	..	..	..	..	..	..
Other	9655	10803	12694	12950	12616	13468
Main activity	44116	38270	42662	44367	44126	52123
Combustible fuels	22442	20967	15330	15323	22076	22104
Hydro	12101	6650	14848	16389	9784	16889
Nuclear	..	..	..	..	..	..
Other	9573	10653	12484	12655	12266	13130
Own use in electricity, CHP and heat plants	1335	1361	1261	1276	1482	1469
Net production	51128	45253	50411	51526	50938	58811
Imports	6742	10766	8100	7247	8077	4616
Exports	3929	2871	5324	6344	5811	9701
Losses	4090	4707	5455	5209	4895	4881
Consumption	49851	48441	47732	47220	48309	48845
Energy industries own use	1487	2200	2475	2025	2497	2492
By industry and construction	16957	15932	15993	15395	15481	15083
By transport	404	401	301	302	308	385
By households and other cons.	31003	29908	28963	29498	30023	30885
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	19924	19747	18900	19125	19625	20561
Combustible fuels	9936	9360	8308	8113	8048	7990
Hydro	5535	5712	5661	5715	6168	6960
Nuclear	..	..	..	..	..	..
Other	4453	4675	4931	5297	5409	5611
Main activity	17969	17635	16841	17020	17575	18569
Combustible fuels	8051	7357	6409	6205	6205	6209
Hydro	5529	5706	5655	5709	6162	6954
Nuclear	..	..	..	..	..	..
Other	4389	4572	4777	5106	5208	5406
Combustible fuel input	Terajoules					
Hard Coal	92278	121920	110009	111645	135911	118603
Biogas	1883	2362	2736	3078	3121	2996
Gas-diesel oil	860	860	860	903	989	774
Fuel oil	19796	15958	11393	9494	9656	9938
Refinery gas	743	941	1188	941	644	396
Natural gas	127891	98507	79197	72602	97300	110638
Vegetal waste	*8748	*8891	*13053	*13111	*9605	*6418
Municipal waste	8245	7197	8097	6845	8155	8680
Industrial waste	216	127	101	91	79	580
Biodiesel	..	..	37	37	74	37
Total input	260659	256763	226670	218746	265532	259060
Total production	110495	104944	86796	84384	108018	107651
Estimated efficiency (% of production to input)	42	41	38	39	41	42

Statistics on electricity
Puerto Rico

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	22509	22587	21812	21316	21160	20894
Combustible fuels	22358	22429	21509	20969	20771	20505
Hydro	150	125	91	81	56	71
Nuclear	..	..	..	..	..	..
Other	2	33	213	266	333	318
Main activity	22259	22337	21562	21066	20910	20644
Combustible fuels	22108	22179	21259	20719	20521	20255
Hydro	150	125	91	81	56	71
Nuclear	..	..	..	..	..	..
Other	2	33	213	266	333	318
Own use in electricity, CHP and heat plants	620	633	553	795	602	*594
Net production	21890	21954	21259	20522	20558	20300
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*3375	*3498	*2906	*2900	*3073	*2988
Consumption	18515	18456	18353	17621	17485	17312
Energy industries own use	..	..	..	..	..	..
By industry and construction	2882	2779	2579	2338	2355	2250
By transport	..	..	..	..	..	..
By households and other cons.	15633	15676	15774	15283	15130	15062
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	5905	6008	6083	*6097	*6112	6257
Combustible fuels	5800	5800	5800	*5800	*5800	5900
Hydro	100	100	100	99	99	99
Nuclear	..	..	..	..	..	..
Other	5	108	183	198	213	258
Main activity	5844	5947	6022	*6036	*6051	6196
Combustible fuels	5739	5739	5739	*5739	*5739	5839
Hydro	100	100	100	99	99	99
Nuclear	..	..	..	..	..	..
Other	5	108	183	198	213	258
Combustible fuel input	Terajoules					
Hard Coal	38700	38700	32327	36688	34133	36352
Fuel oil	145739	138685	111423	106688	115952	102071
Natural gas	28712	53006	60736	60736	57717	65818
Total input	213151	230391	204487	204112	207802	204241
Total production	80488	80743	77431	75489	74776	73819
Estimated efficiency (% of production to input)	38	35	38	37	36	36

Statistics on electricity

Qatar

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	30730	34787	34668	38692	41499	42307
Combustible fuels	30730	34787	34668	38692	41499	42307
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	2360	2988	3090	3502	2501	2550
Combustible fuels	2360	2988	3090	3502	2501	2550
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	2347	2436	2444	2568	2647	2642
Net production	28383	32351	32224	36124	38852	39665
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	624	2168	2159	2341	2475	2532
Consumption	27759	30184	30066	33784	36378	37134
Energy industries own use	..	..	..	..	..	..
By industry and construction	9089	9798	9944	11568	11887	12026
By transport	..	..	..	..	..	..
By households and other cons.	18670	20386	20122	22216	24491	25108
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	8751	8751	8751	8751	8751	8751
Combustible fuels	8751	8751	8751	8751	8751	8751
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	2190	2190	2190	2190	2190	2190
Combustible fuels	2190	2190	2190	2190	2190	2190
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Natural gas	299648	341440	442417	381028	399818	407605
Total input	299648	341440	442417	381028	399818	407605
Total production	110628	125233	124805	139291	149396	152305
Estimated efficiency (% of production to input)	37	37	28	37	37	37