

Statistics on electricity
Madagascar

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	1593	1658	1712	1867	1971	2072
Combustible fuels	784	774	777	980	1182	1104
Hydro	809	884	935	887	789	968
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Main activity	1423	1488	1542	1652	1702	1797
Combustible fuels	614	604	607	765	913	829
Hydro	809	884	935	887	789	968
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Own use in electricity, CHP and heat plants	*24	*25	*25	*27	26	*25
Net production	1569	1633	1687	1840	1945	2047
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*100	*105	*110	116	128	*130
Consumption	1469	1527	1577	1738	1802	1917
Energy industries own use	..	..	..	..	..	..
By industry and construction	*511	*537	*544	416	442	608
By transport	..	..	..	..	..	..
By households and other cons.	958	990	1033	1322	1361	1309
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*541	*542	*543	526	663	*663
Combustible fuels	*379	*379	*379	366	496	*496
Hydro	162	163	164	159	166	*166
Nuclear	..	..	..	..	..	..
Other	0	0	0	*1	*1	*1
Main activity	*509	*510	*511	486	603	*603
Combustible fuels	*347	*347	*347	326	436	*436
Hydro	162	163	164	159	166	*166
Nuclear	..	..	..	..	..	..
Other	0	0	0	*1	*1	*1
Combustible fuel input	Terajoules					
Hard Coal	*774	*697	*722	712	963	*1032
Gas-diesel oil	*5160	3474	4795	5865	4687	*4257
Fuel oil	*2505	*1939	*606	2182	5090	*4604
Bagasse	..	..	..	336	368	*324
Total input	*8439	6110	6123	9095	11108	*10217
Total production	2824	2786	2799	3528	4255	3973
Estimated efficiency (% of production to input)	33	46	46	39	38	39

Statistics on electricity

Malawi

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*2046	*2151	*2136	*2160	*1991	*2266
Combustible fuels	*181	*181	*183	*183	*183	*185
Hydro	*1865	*1970	*1953	*1977	*1809	*2081
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*1865	*1970	*1953	*1977	*1809	*2081
Combustible fuels	*5	*5	*5	*5	*5	*5
Hydro	*1860	*1965	*1948	*1972	*1804	*2076
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	*97	*100	*101	*102	*192	*210
Net production	*1949	*2051	*2035	*2058	*1799	*2056
Imports	..	..	..	..	..	..
Exports	32	39	22	24	20	82
Losses	*389	*294	*437	*179	*450	*460
Consumption	1529	1718	1559	1855	1329	*1513
Energy industries own use	..	..	..	..	..	..
By industry and construction	661	709	691	971	573	*743
By transport	..	..	..	..	..	..
By households and other cons.	868	1009	868	884	756	*771
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	503	567	567	567	567	661
Combustible fuels	*212	*212	*211	*211	*211	*211
Hydro	291	355	356	356	356	450
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	288	353	352	352	352	446
Combustible fuels	*2	*2	*1	*1	*1	*1
Hydro	286	351	351	351	351	445
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	*2002	*1886	*1829	*1904	*1905	*1943
Bagasse	*903	*1116	*934	*903	*903	*903
Total input	*2906	*3002	*2764	*2808	*2808	*2847
Total production	*652	*652	*658	*658	*658	*666
Estimated efficiency (% of production to input)	22	22	24	23	23	23

Statistics on electricity

Malaysia

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	138331	147461	150123	156665	164509	170578
Combustible fuels	127604	133846	135926	136336	137599	143621
Hydro	10586	13388	13924	20019	26580	26325
Nuclear	..	..	..	..	..	..
Other	141	227	273	310	330	632
Main activity	133311	142788	145137	150442	159257	163415
Combustible fuels	122584	129173	130940	130113	132352	136517
Hydro	10586	13388	13924	20019	26575	26325
Nuclear	..	..	..	..	..	..
Other	141	227	273	310	330	573
Own use in electricity, CHP and heat plants	5835	2885	4043	1317	4588	696
Net production	132496	144576	146080	155348	159921	169882
Imports	221	23	13	33	7	20
Exports	23	12	3	694	1124	1509
Losses	11366	15585	12535	10102	12288	14109
Consumption	123076	128333	132199	144024	146520	152866
Energy industries own use	..	..	..	..	..	..
By industry and construction	55886	58948	60641	67664	71417	76088
By transport	241	256	266	340	459	482
By households and other cons.	66949	69129	71292	76020	74644	76296
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	31817	29974	30440	33090	33334	34389
Combustible fuels	27725	25040	23519	25732	26848	26432
Hydro	3931	4773	5716	6137	6128	6168
Nuclear	..	..	..	..	..	..
Other	*161	161	1205	1220	358	1790
Main activity	28780	27623	27368	29789	30892	31714
Combustible fuels	24688	22695	21309	23226	24410	24479
Hydro	3931	4768	5714	6135	6126	6168
Nuclear	..	..	..	..	..	..
Other	*161	160	345	427	356	1066
Combustible fuel input	Terajoules					
Hard Coal	566362	571404	654254	710051	794090	857092
Gas-diesel oil	27348	27391	13975	8944	15781	14448
Fuel oil	15958	10948	4121	6302	4040	687
Natural gas	634711	650113	711320	600958	540161	536208
Vegetal waste	*15955	9346	9878	9878	*8196	12581
Total input	1260334	1269202	1393548	1336134	1362268	1421016
Total production	459374	481846	489334	490810	495356	517036
Estimated efficiency (% of production to input)	36	38	35	37	36	36

Statistics on electricity

Maldives

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	425	543	619	672	725	772
Combustible fuels	420	535	611	660	709	756
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	5	8	8	12	16	16
Main activity	308	335	394	432	465	492
Combustible fuels	303	327	386	420	449	476
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	5	8	8	12	16	16
Own use in electricity, CHP and heat plants	*18	*18	*19	*21	*21	*21
Net production	407	525	600	651	704	751
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*16	*16	*18	*20	*20	*21
Consumption	*390	*509	*582	*631	*684	*730
Energy industries own use	..	..	..	..	..	..
By industry and construction	*19	*33	*33	*35	*37	*39
By transport	..	..	..	..	..	..
By households and other cons.	*371	*476	*549	*596	*647	*691
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	157	271	271	274	*277	*277
Combustible fuels	154	266	266	266	*266	*266
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	3	5	5	8	11	11
Main activity	84	146	146	149	*152	*152
Combustible fuels	81	141	141	141	*141	*141
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	3	5	5	8	11	11
Combustible fuel input	Terajoules					
Gas-diesel oil	*4911	*6695	*7310	*7433	*8109	*8790
Total input	*4911	*6695	*7310	*7433	*8109	*8790
Total production	1512	1926	2201	2376	2552	2722
Estimated efficiency (% of production to input)	31	29	30	32	31	31

Statistics on electricity

Mali

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	2017	2104	2370	2613	*3068	*3261
Combustible fuels	1058	1107	1356	1509	*1935	*2128
Hydro	959	997	1012	1102	1130	*1130
Nuclear	..	..	..	..	..	..
Other	..	..	2	2	3	*3
Main activity	1382	1574	1712	1905	2082	*2083
Combustible fuels	423	577	698	801	949	*950
Hydro	959	997	1012	1102	1130	*1130
Nuclear	..	..	..	..	..	..
Other	..	..	2	2	3	*3
Own use in electricity, CHP and heat plants	8	*9	*10	*11	*12	*13
Net production	2009	2095	2360	2602	*3056	*3248
Imports	*349	*512	317	113	*117	*198
Exports	*460	*479	*486	*529	*535	*550
Losses	*318	*339	*288	*311	*318	*356
Consumption	*1580	1785	*1903	*1875	*2320	*2540
Energy industries own use	..	..	..	..	..	..
By industry and construction	*730	810	*823	*715	*920	*1010
By transport	..	..	..	..	..	..
By households and other cons.	*850	975	*1080	*1160	*1400	*1530
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	811	*894	*895	1011	*1112	*1112
Combustible fuels	363	*404	*404	*490	*560	*560
Hydro	448	*490	*490	520	550	*550
Nuclear	..	..	..	..	..	..
Other	..	..	*1	*1	*2	*2
Main activity	714	*780	*781	811	852	*852
Combustible fuels	266	*290	*290	*290	*300	*300
Hydro	448	*490	*490	520	550	*550
Nuclear	..	..	..	..	..	..
Other	..	..	*1	*1	*2	*2
Combustible fuel input	Terajoules					
Gas-diesel oil	*14706	18275	*19350	*13115	*17200	*19608
Bagasse	*1457	1457	*1457	1457	*1457	*1457
Total input	*16163	19732	*20807	*14572	*18657	*21065
Total production	3807	3984	4882	5432	*6965	*7661
Estimated efficiency (% of production to input)	24	20	23	37	37	36

Statistics on electricity

Malta

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	2251	2245	1305	857	1652	1962
Combustible fuels	2222	2177	1210	729	1490	1772
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	29	68	95	128	162	190
Main activity	2216	2170	1203	721	1480	1763
Combustible fuels	2216	2170	1203	721	1480	1763
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	..	..	..	..	..
Own use in electricity, CHP and heat plants	114	108	64	50	49	50
Net production	2137	2137	1241	807	1603	1912
Imports	..	..	1054	1525	897	631
Exports	..	..	..	..	36	11
Losses	187	132	179	216	144	143
Consumption	1950	2005	2114	2116	2319	2391
Energy industries own use	..	..	..	..	..	..
By industry and construction	404	406	415	411	459	480
By transport	..	..	..	..	..	..
By households and other cons.	1546	1599	1699	1705	1860	1911
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	652	678	668	573	707	726
Combustible fuels	623	623	593	480	595	595
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	29	55	75	94	112	131
Main activity	620	620	590	475	590	590
Combustible fuels	620	620	590	475	590	590
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Biogas	34	37	46	42	46	42
Gas-diesel oil	2494	2322	860	129	258	215
Fuel oil	18988	18665	10262	7151	1899	0
Natural gas	..	..	..	..	10776	13602
Total input	21516	21024	11168	7322	12979	13859
Total production	7999	7837	4356	2624	5364	6379
Estimated efficiency (% of production to input)	37	37	39	36	41	46

Statistics on electricity

Marshall Islands

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	84	*86	*87	*88	*89	*90
Combustible fuels	83	*85	*86	*86	*87	*88
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	1	1	2	2	2
Main activity	84	*86	*87	*88	*89	*90
Combustible fuels	83	*85	*86	*86	*87	*88
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	1	1	2	2	2
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	84	*86	*87	*88	*89	*90
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*11	*11	*11	*11	*12	*12
Consumption	73	*75	*75	*76	*78	*78
Energy industries own use	..	..	..	..	..	..
By industry and construction	*3	*3	*3	*4	*4	*4
By transport	..	..	..	..	..	..
By households and other cons.	70	*72	*72	*73	*74	*74
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	34	34	37	*38	*39	*39
Combustible fuels	33	33	36	*36	*37	*37
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*1	1	1	2	2	2
Main activity	34	34	37	*38	*39	*39
Combustible fuels	33	33	36	*36	*37	*37
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*1	1	1	2	2	2
Combustible fuel input	Terajoules					
Gas-diesel oil	787	*796	*817	*817	*834	*843
Total input	787	*796	*817	*817	*834	*843
Total production	300	*306	*308	*308	*314	*315
Estimated efficiency (% of production to input)	38	38	38	38	38	37

Statistics on electricity
Mauritania

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	812	851	975	1042	1183	1271
Combustible fuels	773	808	841	875	1022	1023
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	39	43	134	168	161	248
Main activity	492	525	662	683	841	925
Combustible fuels	453	482	528	515	680	677
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	39	43	134	168	161	248
Own use in electricity, CHP and heat plants	24	25	35	63	95	95
Net production	788	826	940	979	1088	1176
Imports	174	183	183	221	*185	198
Exports	..	..	..	57	..	..
Losses	164	*172	*190	*192	*210	*225
Consumption	792	844	932	951	1063	1148
Energy industries own use	..	..	..	..	..	..
By industry and construction	298	326	360	357	342	*346
By transport	..	..	..	..	..	..
By households and other cons.	494	519	572	594	721	802
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	231	240	444	*461	*506	*570
Combustible fuels	209	218	392	*392	*421	*449
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	22	22	52	69	85	121
Main activity	161	161	364	*381	*426	*485
Combustible fuels	139	139	312	*312	*341	*364
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	22	22	52	69	85	121
Combustible fuel input	Terajoules					
Gas-diesel oil	*4532	5173	*5616	*5031	*7310	*7740
Fuel oil	*3030	*3717	*3313	*2674	*2771	*2020
Total input	*7562	8890	*8929	*7705	*10081	*9760
Total production	2783	2907	3028	3148	3678	3683
Estimated efficiency (% of production to input)	37	33	34	41	36	38

Statistics on electricity
Mauritius

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	2882	2936	2996	3042	3120	3132
Combustible fuels	2781	2817	2845	2894	2976	2943
Hydro	95	91	122	100	90	125
Nuclear	..	..	..	..	..	..
Other	6	28	29	48	54	64
Main activity	1176	1175	1258	1215	1277	1350
Combustible fuels	1078	1081	1133	1112	1184	1223
Hydro	95	91	122	100	90	125
Nuclear	..	..	..	..	..	..
Other	4	3	3	4	3	3
Own use in electricity, CHP and heat plants	39	42	44	45	44	44
Net production	2843	2894	2952	2998	3076	3088
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	184	182	178	172	187	182
Consumption	2657	2708	2770	2815	2880	2918
Energy industries own use	273	256	264	260	266	268
By industry and construction	*714	687	696	706	727	734
By transport	..	..	..	..	..	..
By households and other cons.	1670	1765	1809	1848	1886	1916
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	778	782	792	847	836	874
Combustible fuels	714	702	711	749	736	737
Hydro	61	61	61	61	60	60
Nuclear	..	..	..	..	..	..
Other	4	19	20	38	40	77
Main activity	501	490	489	499	513	513
Combustible fuels	439	428	427	437	452	452
Hydro	61	61	61	61	60	60
Nuclear	..	..	..	..	..	..
Other	1	1	1	1	1	1
Combustible fuel input	Terajoules					
Hard Coal	17731	18344	17647	18091	18871	17916
Biogas	*68	*70	73	67	61	81
Gas-diesel oil	43	43	43	45	55	34
Fuel oil	8726	8928	9292	8696	9672	9991
Other kerosene	44	44	44	34	41	28
Bagasse	8155	7954	9575	8722	8324	7791
Total input	34766	35383	36675	35654	37025	35842
Total production	10012	10142	10242	10420	10714	10593
Estimated efficiency (% of production to input)	29	29	28	29	29	30

Statistics on electricity

Mexico

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	297326	301496	310712	320565	322063	335581
Combustible fuels	247163	240279	253005	262310	261726	269256
Hydro	28002	38893	30815	30698	31982	32636
Nuclear	11800	9677	11577	10567	10883	13675
Other	10361	12647	15315	16990	17472	20014
Main activity	258821	258258	262721	266201	259078	268103
Combustible fuels	211680	202346	212385	217231	209160	214880
Hydro	27444	38145	30051	29805	31040	31581
Nuclear	11800	9677	11577	10567	10883	13675
Other	7897	8090	8708	8598	7995	7967
Own use in electricity, CHP and heat plants	10235	11446	12935	17689	13130	13780
Net production	287091	290050	297777	302876	308933	321801
Imports	1210	2124	1650	2232	2151	3759
Exports	1240	2653	2320	1968	1804	2276
Losses	42520	41322	40640	40002	43915	46940
Consumption	246503	256779	261850	274210	275859	286960
Energy industries own use	5033	4559	4400	3843	3938	3552
By industry and construction	137391	142326	139990	145945	147465	149739
By transport	1130	1130	1134	1140	1077	1072
By households and other cons.	102949	108764	116326	123282	123379	132597
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	64107	66255	67504	72574	74431	76921
Combustible fuels	48047	48893	49421	53047	54388	54388
Hydro	11633	12464	12223	12580	12628	12628
Nuclear	1400	1400	1510	1608	1608	1608
Other	3027	3498	4350	5339	5807	8297
Main activity	53497	54379	54856	55904	57536	59024
Combustible fuels	39161	39294	39735	40280	41616	41616
Hydro	11509	12269	12028	12348	12395	12395
Nuclear	1400	1400	1510	1608	1608	1608
Other	1427	1416	1583	1668	1917	3405
Combustible fuel input	Terajoules					
Hard Coal	125044	150551	146312	169061	205979	183718
Brown Coal	197886	200358	206785	198168	133446	133665
Biogas	1970	1939	1961	1912	2265	2514
Gas-diesel oil	35475	21371	21586	27606	31820	39947
Fuel oil	432522	300010	254762	282194	306838	264903
Liquefied petroleum gas	568	5061	5014	3548	2270	3595
Petroleum coke	40073	39910	39163	29803	38350	37863
Natural gas	1423071	1484833	1609427	1684576	1782417	1850149
Bagasse	*53758	*71126	*68416	*70268	*76782	*76074
Industrial waste	1690	861	473	552	897	3693
Others	5061	5263	6289	5518	3947	2578
Total input	2317117	2281284	2360188	2473205	2585012	2598698
Total production	889787	865004	910818	944316	942214	969322
Estimated efficiency (% of production to input)	38	38	39	38	36	37

Statistics on electricity

Micronesia (Fed. States of)

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*67	69	67	*68	*67	*69
Combustible fuels	*66	68	66	*66	*65	*65
Hydro	..	0	0	0	0	0
Nuclear	..	..	..	..	..	..
Other	1	1	1	2	2	*4
Main activity	*67	69	67	*68	*67	*69
Combustible fuels	*66	68	66	*66	*65	*65
Hydro	..	0	0	0	0	0
Nuclear	..	..	..	..	..	..
Other	1	1	1	2	2	*4
Own use in electricity, CHP and heat plants	*3	3	1	2	*2	*2
Net production	*65	66	66	*65	*65	*66
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*13	*15	*19	*19	*20	*21
Consumption	*51	*51	46	*46	*46	*46
Energy industries own use	..	..	..	..	..	..
By industry and construction	*11	*14	15	*15	*15	*15
By transport	..	..	..	..	..	..
By households and other cons.	*40	*38	31	*31	*31	*31
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	32	34	*34	*34	*34	*36
Combustible fuels	32	32	*32	*32	*32	*32
Hydro	..	2	2	2	*2	*2
Nuclear	..	..	..	..	..	..
Other	1	1	1	1	1	3
Main activity	32	34	*34	*34	*34	*36
Combustible fuels	32	32	*32	*32	*32	*32
Hydro	..	2	2	2	*2	*2
Nuclear	..	..	..	..	..	..
Other	1	1	1	1	1	3
Combustible fuel input	Terajoules					
Gas-diesel oil	*753	*774	834	*834	*830	*830
Total input	*753	*774	834	*834	*830	*830
Total production	*238	243	236	*236	*235	*233
Estimated efficiency (% of production to input)	32	31	28	28	28	28

Statistics on electricity
Mongolia

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	5020	5376	5513	5667	6027	6535
Combustible fuels	5020	5376	5513	5667	6027	6535
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	5020	5376	5513	5667	6027	6535
Combustible fuels	5020	5376	5513	5667	6027	6535
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	725	772	778	749	816	849
Net production	4294	4603	4735	4918	5211	5686
Imports	1196	1349	1417	1446	1574	1666
Exports	18	33	51	36	26	27
Losses	740	793	783	817	811	875
Consumption	4732	5159	5284	5446	5949	6450
Energy industries own use	..	..	..	..	..	..
By industry and construction	2931	3172	3261	3356	3692	4003
By transport	197	211	217	223	248	268
By households and other cons.	1605	1776	1806	1867	2009	2178
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	1278	*1171	*1171	*1189	1286	*1461
Combustible fuels	1200	*1092	*1092	*1103	1132	*1210
Hydro	26	26	26	29	29	31
Nuclear	..	..	..	..	..	..
Other	52	53	53	57	125	220
Main activity	1102	*1135	*1135	*1150	1247	*1420
Combustible fuels	1050	*1082	*1082	*1093	1122	*1200
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	52	53	53	57	125	220
Combustible fuel input	Terajoules					
Hard Coal	35173	38740	40417	42227	51712	63440
Brown Coal	74013	76185	75744	75391	78587	79093
Gas-diesel oil	3741	3311	3182	2662	3913	4124
Fuel oil	162	125	129	105	89	121
Total input	113088	118361	119472	120385	134301	146777
Total production	18070	19353	19848	20402	21698	23527
Estimated efficiency (% of production to input)	16	16	17	17	16	16

Statistics on electricity

Montenegro

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	3945	3173	3003	3141	2483	3679
Combustible fuels	1441	1421	1512	1298	1348	1444
Hydro	2504	1752	1491	1843	1040	2092
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	95	143
Main activity	3945	3173	3003	3141	2483	3679
Combustible fuels	1441	1421	1512	1298	1348	1444
Hydro	2504	1752	1491	1843	1040	2092
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	95	143
Own use in electricity, CHP and heat plants	136	135	131	118	119	134
Net production	3809	3038	2872	3023	2364	3546
Imports	388	903	1040	1210	1537	780
Exports	733	642	517	906	417	976
Losses	758	689	586	541	512	503
Consumption	2706	2610	2679	2671	2855	2847
Energy industries own use	..	..	..	..	..	..
By industry and construction	1326	760	767	660	732	737
By transport	20	18	20	21	20	19
By households and other cons.	1360	1832	1892	1990	2103	2090
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	870	870	870	870	949	*999
Combustible fuels	219	219	219	219	225	*225
Hydro	651	651	651	651	652	*652
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	72	121
Main activity	870	870	870	870	949	*999
Combustible fuels	219	219	219	219	225	*225
Hydro	651	651	651	651	652	*652
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	72	121
Combustible fuel input	Terajoules					
Brown Coal	15178	14708	15362	12028	12341	14816
Total input	15178	14708	15362	12028	12341	14816
Total production	5188	5116	5443	4673	4853	5198
Estimated efficiency (% of production to input)	34	35	35	39	39	35

Statistics on electricity
Montserrat

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*23	*24	*24	*20	*19	*20
Combustible fuels	*23	*24	*24	*20	*19	*20
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*23	*24	*24	*20	*19	*20
Combustible fuels	*23	*24	*24	*20	*19	*20
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	*2	*2	*2	0	0	0
Net production	*21	*22	*22	*20	*19	*20
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*1	*1	*1	*1	*1	*1
Consumption	20	20	20	*18	18	*19
Energy industries own use	..	..	..	..	..	..
By industry and construction	*9	*9	*9	*8	*8	*8
By transport	..	..	..	..	..	..
By households and other cons.	11	11	11	*10	10	*11
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*5	6	5	5	5	5
Combustible fuels	*5	6	5	5	5	5
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*5	6	5	5	5	5
Combustible fuels	*5	6	5	5	5	5
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	*237	*237	*237	*194	*172	*177
Total input	*237	*237	*237	*194	*172	*177
Total production	*83	*86	*86	*72	*68	*70
Estimated efficiency (% of production to input)	35	37	37	37	40	40

Statistics on electricity

Morocco

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	28242	29384	31217	32141	33192	35839
Combustible fuels	22594	24125	25108	25776	26875	27748
Hydro	2990	2033	2282	1662	1565	1998
Nuclear	..	..	..	..	..	..
Other	2658	3226	3827	4703	4752	6093
Main activity	26829	27945	29855	30839	31890	34537
Combustible fuels	22483	23988	25048	25776	26875	27748
Hydro	2990	2033	2282	1662	1565	1998
Nuclear	..	..	..	..	..	..
Other	1356	1924	2525	3401	3450	4791
Own use in electricity, CHP and heat plants	40	44	52	50	60	62
Net production	28202	29340	31165	32091	33132	35777
Imports	5551	6138	5138	5289	6058	3725
Exports	151	128	165	135	161	350
Losses	4915	5197	5515	5654	6066	6159
Consumption	28687	30153	30624	31592	32963	32993
Energy industries own use	654	899	685	529	510	406
By industry and construction	10303	10659	10864	11190	11826	12086
By transport	322	332	345	352	368	375
By households and other cons.	17408	18263	18730	19521	20259	20126
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	10642	11294	11455	11561	12120	12350
Combustible fuels	8377	8727	8727	8732	9128	9151
Hydro	1770	1770	1770	1770	1770	1770
Nuclear	..	..	..	..	..	..
Other	495	797	958	1059	1222	1429
Main activity	7342	7994	8155	8261	8820	9050
Combustible fuels	5077	5427	5427	5432	5828	5851
Hydro	1770	1770	1770	1770	1770	1770
Nuclear	..	..	..	..	..	..
Other	495	797	958	1059	1222	1429
Combustible fuel input	Terajoules					
Hard Coal	126034	171048	188077	178592	185666	205976
Gas-diesel oil	774	645	430	516	430	258
Fuel oil	51106	28765	23917	31148	34704	12403
Natural gas	44285	42865	43985	45068	44651	39792
Total input	222199	243323	256409	255324	265451	258429
Total production	81338	86850	90389	92794	96750	99893
Estimated efficiency (% of production to input)	37	36	35	36	36	39

Statistics on electricity
Mozambique

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	15123	17739	19641	18697	16992	16659
Combustible fuels	318	1379	2547	3103	2930	2736
Hydro	14805	16359	17093	15592	14060	13921
Nuclear	..	..	..	..	..	..
Other	..	1	1	2	2	2
Main activity	14860	17271	19471	18620	16669	16640
Combustible fuels	318	1379	2493	3045	2891	2736
Hydro	14542	15892	16978	15575	13778	13904
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	220	238	238	58	58	109
Net production	14903	17501	19403	18639	16934	16550
Imports	8339	7656	10547	9928	9935	9899
Exports	9058	10199	12876	14269	9945	10446
Losses	2647	2612	5080	2480	2480	2480
Consumption	11605	12342	12180	11383	14443	12722
Energy industries own use	..	..	..	..	..	..
By industry and construction	9295	10651	9800	9100	12488	10332
By transport	..	..	..	..	..	..
By households and other cons.	2310	1691	2380	2283	1955	2390
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	2646	2682	2508	2491	*2739	*2744
Combustible fuels	359	359	410	412	*413	*465
Hydro	2287	2322	2097	2078	*2311	*2239
Nuclear	..	..	..	..	..	..
Other	..	1	1	1	15	40
Main activity	2596	2596	2460	2460	*2611	*2589
Combustible fuels	359	359	385	385	*385	*435
Hydro	2237	2237	2075	2075	*2226	*2154
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	..	..	215	215	..	..
Natural gas	3026	16137	23573	24356	23541	23016
Total input	3026	16137	23788	24571	23541	23016
Total production	1145	4964	9168	11172	10548	9850
Estimated efficiency (% of production to input)	38	31	39	45	45	43

Statistics on electricity
Myanmar

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	12247	14156	15970	17867	20056	26714
Combustible fuels	3424	5327	6463	8123	8865	11878
Hydro	8823	8829	9507	9744	11191	14826
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	10
Main activity	11302	11197	14156	14390	18178	24555
Combustible fuels	2929	3046	5327	5235	7647	10419
Hydro	8373	8151	8829	9155	10531	14126
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	10
Own use in electricity, CHP and heat plants	182	152	0	0	0	2382
Net production	12065	14005	15970	17867	20055	24332
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	2356
Losses	2452	2750	2573	2385	2803	3432
Consumption	9613	11255	13397	15355	17115	18544
Energy industries own use	..	..	..	..	..	..
By industry and construction	5849	7142	2145	2120	2773	7117
By transport	..	..	..	..	..	..
By households and other cons.	3764	4113	11252	13235	14343	11427
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	4146	4805	5259	5390	5799	5828
Combustible fuels	1141	1620	2076	2135	2387	2392
Hydro	3005	3185	3183	3255	3402	3436
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	*10	..
Main activity	3753	4177	4631	4590	5208	5155
Combustible fuels	920	1164	1620	1507	1973	1896
Hydro	2833	3013	3011	3083	3225	3259
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	*10	..
Combustible fuel input	Terajoules					
Hard Coal	3056	619	465	*605	*2326	*7653
Brown Coal	..	..	..	179	3744	5589
Gas-diesel oil	2580	4300	4322	6807	4597	860
Natural gas	40331	71842	89943	123472	126111	132958
Total input	45967	76761	94730	131063	136778	147060
Total production	12326	19179	23268	29243	31912	42760
Estimated efficiency (% of production to input)	27	25	25	22	23	29

Statistics on electricity

Namibia

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	1740	1530	1576	1479	1772	1363
Combustible fuels	72	13	34	62	66	21
Hydro	1640	1485	1502	1359	1593	1144
Nuclear	..	..	..	..	..	..
Other	28	32	40	58	113	198
Main activity	1740	1530	1576	1479	1772	1363
Combustible fuels	72	13	34	62	66	21
Hydro	1640	1485	1502	1359	1593	1144
Nuclear	..	..	..	..	..	..
Other	28	32	40	58	113	198
Own use in electricity, CHP and heat plants	28	2	1	1	82	67
Net production	1712	1528	1575	1478	1690	1296
Imports	2916	2886	2678	3085	2939	3449
Exports	89	84	88	99	100	114
Losses	369	546	340	504	445	434
Consumption	3772	3747	3782	3909	4057	4171
Energy industries own use	..	..	..	..	..	..
By industry and construction	786	716	613	585	603	586
By transport	..	..	..	..	..	..
By households and other cons.	2986	3031	3169	3324	3454	3585
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	502	504	513	529	565	582
Combustible fuels	155	155	155	143	143	143
Hydro	332	332	337	350	347	347
Nuclear	..	..	..	..	..	..
Other	15	17	21	36	75	93
Main activity	502	504	513	529	565	582
Combustible fuels	155	155	155	143	143	143
Hydro	332	332	337	350	347	347
Nuclear	..	..	..	..	..	..
Other	15	17	21	36	75	93
Combustible fuel input	Terajoules					
Hard Coal	590	0	91	772	953	295
Gas-diesel oil	*430	172	387	129	0	..
Total input	1020	172	478	901	953	295
Total production	259	47	122	223	238	76
Estimated efficiency (% of production to input)	25	27	26	25	25	26

Statistics on electricity
Nauru

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*24	*25	31	32	35	36
Combustible fuels	*24	*25	31	31	34	35
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	1	1
Main activity	*24	*25	31	32	35	36
Combustible fuels	*24	*25	31	31	34	35
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	1	1
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	*24	*25	31	31	34	36
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*7	*8	12	10	9	8
Consumption	*17	*17	19	21	26	28
Energy industries own use	..	..	..	..	..	..
By industry and construction	*1	*1	1	1	1	1
By transport	..	..	..	..	..	..
By households and other cons.	*16	*16	18	20	25	27
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*6	*6	*6	*7	*8	*14
Combustible fuels	*5	*6	*6	*6	*7	*13
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	1	1	1
Main activity	*6	*6	*6	*7	*8	*14
Combustible fuels	*5	*6	*6	*6	*7	*13
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	1	1	1
Combustible fuel input	Terajoules					
Gas-diesel oil	*292	*305	334	343	360	344
Total input	*292	*305	334	343	360	344
Total production	*87	*90	112	113	121	126
Estimated efficiency (% of production to input)	30	29	34	33	34	37

Statistics on electricity
Nepal

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	3130	3508	3460	4244	4639	4913
Combustible fuels	10	10	..	..	0	0
Hydro	3120	3498	3453	4237	4632	4898
Nuclear	..	..	..	..	..	..
Other	..	..	7	7	7	15
Main activity	2993	3368	3306	4089	4483	4753
Combustible fuels	10	10	..	..	0	0
Hydro	2983	3358	3299	4082	4476	4738
Nuclear	..	..	..	..	..	..
Other	..	..	7	7	7	15
Own use in electricity, CHP and heat plants	40	15	49	48	55	59
Net production	3090	3493	3411	4196	4584	4854
Imports	1072	1319	1778	2175	2582	2813
Exports	4	3	3	3	3	35
Losses	745	*1200	1309	1433	1443	1157
Consumption	3413	3491	3867	4926	5710	6503
Energy industries own use	..	..	..	..	..	..
By industry and construction	1222	1252	1206	1719	2010	2438
By transport	6	6	6	6	5	5
By households and other cons.	2185	2233	2655	3201	3695	4060
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*772	*829	798	979	*1141	1189
Combustible fuels	53	53	53	53	53	53
Hydro	*718	*776	738	919	*1081	1129
Nuclear	..	..	..	..	..	..
Other	..	..	*7	*7	*7	*7
Main activity	*617	*654	701	701	*628	628
Combustible fuels	53	53	53	53	53	53
Hydro	*563	*601	641	641	*568	568
Nuclear	..	..	..	..	..	..
Other	..	..	*7	*7	*7	*7
Combustible fuel input	Terajoules					
Fuel oil	89	*89	0	0	1	1
Total input	89	*89	0	0	1	1
Total production	36	35	..	..	0	0
Estimated efficiency (% of production to input)	41	39	..	..	40	40

Statistics on electricity

Netherlands

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	101630	103359	110389	115211	117264	114466
Combustible fuels	92465	92488	97411	101241	100899	96520
Hydro	114	112	93	100	61	72
Nuclear	2891	4091	4077	3960	3402	3515
Other	6160	6668	8808	9910	12902	14359
Main activity	77092	81447	87496	92476	92220	87753
Combustible fuels	69467	72440	76914	81098	79075	74284
Hydro	114	112	93	100	61	72
Nuclear	2891	4091	4077	3960	3402	3515
Other	4620	4804	6412	7318	9682	9882
Own use in electricity, CHP and heat plants	4180	4645	4487	4179	3792	3421
Net production	97450	98714	105902	111032	113472	111045
Imports	33252	32855	30760	24258	22458	26755
Exports	15015	18128	22012	19343	18952	18785
Losses	5133	4934	5264	5434	5414	5334
Consumption	110321	107291	109928	111445	112274	114035
Energy industries own use	5652	5592	6095	5984	5755	6068
By industry and construction	34907	33295	34330	35846	35759	36057
By transport	1750	1716	1729	1969	1997	2122
By households and other cons.	68012	66688	67774	67646	68763	69788
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	30539	31762	33866	34176	33815	35024
Combustible fuels	26520	27286	28401	27311	26150	25550
Hydro	37	37	37	37	37	37
Nuclear	485	485	485	485	485	485
Other	3497	3954	4943	6343	7143	8952
Main activity	24136	24969	26825	26730	25557	24966
Combustible fuels	21390	22092	23400	22391	21231	20106
Hydro	37	37	37	37	37	37
Nuclear	485	485	485	485	485	485
Other	2224	2355	2903	3817	3804	4338
Combustible fuel input	Terajoules					
Hard Coal	221265	257247	336307	306318	267981	231448
Biogas	6640	6169	6110	6245	5776	5400
Gas-diesel oil	1032	2924	946	645	559	559
Refinery gas	17375	20345	13662	13613	11633	14999
Natural gas	450275	423496	373172	417337	448481	438001
Coke-oven gas	2307	1965	1850	1495	1993	1848
Blast furnace gas	23532	24677	24109	22715	23422	22206
Fuelwood	*18479	*16311	*19448	*16302	*15390	*11535
Vegetal waste	*10068	*5344	*1245	*5245	*6229	*9622
Municipal waste	70182	70843	70793	75189	73443	70913
Others	764	3096	..	..	..	..
Total input	821918	832416	847642	865104	854906	806531
Total production	332874	332957	350680	364468	363236	347472
Estimated efficiency (% of production to input)	40	40	41	42	42	43

Statistics on electricity
New Caledonia

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	2505	3011	2903	3130	3228	3486
Combustible fuels	1992	2660	2494	2842	2794	3077
Hydro	456	289	340	232	361	317
Nuclear	..	..	..	..	..	..
Other	57	62	68	57	73	92
Main activity	2505	3011	2903	3130	3228	3486
Combustible fuels	1992	2660	2494	2842	2794	3077
Hydro	456	289	340	232	361	317
Nuclear	..	..	..	..	..	..
Other	57	62	68	57	73	92
Own use in electricity, CHP and heat plants	0	0	0	0	1	1
Net production	2505	3011	2903	3130	3228	3485
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	68	58	61	90	68	*64
Consumption	2437	2953	2842	3040	3161	3421
Energy industries own use	..	..	..	..	..	..
By industry and construction	1808	2324	2193	2354	2488	2739
By transport	..	..	..	..	..	..
By households and other cons.	630	630	650	686	672	*682
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	691	683	998	1001	*1020	*1040
Combustible fuels	572	565	875	875	*875	*875
Hydro	78	78	78	78	78	78
Nuclear	..	..	..	..	..	..
Other	41	40	44	48	67	87
Main activity	630	622	937	940	*957	*972
Combustible fuels	512	505	815	815	*815	*815
Hydro	78	78	78	78	78	78
Nuclear	..	..	..	..	..	..
Other	41	40	44	46	64	79
Combustible fuel input	Terajoules					
Hard Coal	7790	10405	12389	17157	19141	*21078
Gas-diesel oil	2666	6717	3500	2700	2223	*2447
Fuel oil	13001	15320	15792	16677	14512	*14912
Other kerosene	83	293	237	311	210	*232
Bitumen	52	145	133	133	113	*117
Other liquid biofuels	*5	*5	*5	*7	*5	*5
Total input	23597	32885	32056	36986	36204	*38791
Total production	7170	9576	8979	10230	10059	11077
Estimated efficiency (% of production to input)	30	29	28	28	28	29

Statistics on electricity

New Zealand

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	43254	43538	44224	43698	44192	44380
Combustible fuels	11714	9657	9389	7466	8897	7912
Hydro	23027	24316	24528	25920	25177	26287
Nuclear	..	..	..	..	..	..
Other	8513	9565	10307	10312	10118	10181
Main activity	41830	42129	42778	42290	42735	42968
Combustible fuels	10420	8392	8106	6245	7641	6727
Hydro	23019	24312	24524	25916	25173	26283
Nuclear	..	..	..	..	..	..
Other	8391	9425	10148	10129	9921	9958
Own use in electricity, CHP and heat plants	1383	1310	1329	1216	1304	1253
Net production	41871	42228	42895	42482	42888	43127
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	2895	2844	2902	2955	2947	2961
Consumption	39496	39862	40422	39781	39664	39545
Energy industries own use	613	619	714	718	756	698
By industry and construction	13774	13807	13911	13806	13854	13921
By transport	62	62	62	62	62	62
By households and other cons.	25047	25374	25735	25195	24992	24864
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	9583	9787	9448	9290	9306	9353
Combustible fuels	2757	2763	2384	2210	2209	2212
Hydro	5381	5381	5381	5381	5381	5381
Nuclear	..	..	..	..	..	..
Other	1445	1643	1683	1699	1716	1760
Main activity	9327	9518	9163	8989	8988	9015
Combustible fuels	2536	2542	2163	1989	1988	1991
Hydro	5378	5378	5378	5378	5378	5378
Nuclear	..	..	..	..	..	..
Other	1413	1598	1622	1622	1622	1646
Combustible fuel input	Terajoules					
Brown Coal	16526	13900	11331	4620	5592	9581
Biogas	2347	2625	2827	3004	2996	3012
Gas-diesel oil	43	43	0	43	43	129
Natural gas	70901	58243	56284	49048	59760	49168
Coke-oven gas	2130	2007	2119	1854	1966	1941
Blast furnace gas	5541	5482	5617	5377	5665	5314
Fuelwood	5008	5029	4860	4647	4153	3258
Total input	102496	87329	83038	68593	80175	72403
Total production	42170	34765	33800	26878	32029	28483
Estimated efficiency (% of production to input)	41	40	41	39	40	39

Statistics on electricity
Nicaragua

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	4165	4454	4580	4591	4525	4636
Combustible fuels	2467	2550	2740	2728	2657	2599
Hydro	456	395	295	426	468	411
Nuclear	..	..	..	..	..	..
Other	1242	1509	1545	1437	1400	1626
Main activity	3630	3909	4071	4002	3814	3901
Combustible fuels	1933	2006	2232	2140	1946	1864
Hydro	455	394	294	425	468	411
Nuclear	..	..	..	..	..	..
Other	1242	1509	1545	1437	1400	1626
Own use in electricity, CHP and heat plants	400	161	364	193	407	403
Net production	3765	4293	4216	4398	4118	4233
Imports	52	22	34	205	327	201
Exports	16	49	22	18	1	0
Losses	643	926	837	964	996	978
Consumption	3196	3325	3396	3665	3451	3594
Energy industries own use	..	..	..	..	..	..
By industry and construction	1065	1105	1128	1174	1147	1069
By transport	..	..	..	..	..	..
By households and other cons.	2131	2220	2268	2491	2304	2525
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	1291	1329	1346	1396	1482	1482
Combustible fuels	869	866	866	912	985	985
Hydro	120	120	138	142	142	142
Nuclear	..	..	..	..	..	..
Other	302	342	342	342	355	355
Main activity	1157	1194	1211	1219	1305	1305
Combustible fuels	735	733	733	735	809	809
Hydro	119	119	137	142	142	142
Nuclear	..	..	..	..	..	..
Other	302	342	342	342	355	355
Combustible fuel input	Terajoules					
Gas-diesel oil	473	645	645	602	602	516
Fuel oil	17332	17816	20119	19473	17210	16483
Bagasse	*15255	*15695	*16735	*14221	*14226	*14277
Vegetal waste	*1943	*3007	*3044	*2528	*1927	*1934
Total input	35003	*37163	40543	36824	33965	33210
Total production	8881	9180	9864	9821	9565	9356
Estimated efficiency (% of production to input)	25	25	24	27	28	28

Statistics on electricity
Niger

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	516	521	522	442	566	480
Combustible fuels	508	512	511	428	552	447
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	8	10	11	13	15	33
Main activity	479	472	496	415	541	437
Combustible fuels	479	472	496	415	541	437
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	44	44	44	68	72	38
Net production	472	478	478	374	494	442
Imports	602	727	782	779	845	1253
Exports	3	0	0	0	0	0
Losses	156	191	215	*208	*218	*238
Consumption	836	858	916	*968	*1014	*1379
Energy industries own use	..	..	..	..	..	..
By industry and construction	225	*215	218	*272	*285	*387
By transport	..	..	..	..	..	..
By households and other cons.	611	644	699	*696	*729	*992
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	192	230	277	288	290	311
Combustible fuels	187	224	270	280	281	291
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	5	6	7	8	9	20
Main activity	133	170	216	226	228	238
Combustible fuels	133	170	216	226	228	238
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Hard Coal	3647	4231	3535	3721	3495	4164
Gas-diesel oil	2000	1883	2253	2279	*2365	*2064
Liquefied petroleum gas	473	710	596	*449	*520	*572
Total input	6120	6824	6384	6449	6380	6800
Total production	1828	1842	1838	1542	1986	1610
Estimated efficiency (% of production to input)	30	27	29	24	31	24

Statistics on electricity

Nigeria

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	28927	32275	32442	33586	34445	36278
Combustible fuels	23579	26907	26697	25408	26670	29792
Hydro	5326	5346	5721	8151	7747	6458
Nuclear	..	..	..	..	..	..
Other	22	22	24	27	28	28
Main activity	23626	26247	26467	27840	28430	29608
Combustible fuels	18409	21010	20863	19856	20842	23282
Hydro	5217	5237	5604	7984	7588	6326
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	849	945	928	961	987	1039
Net production	28078	31330	31514	32625	33458	35239
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	4336	4838	4866	5038	5167	5442
Consumption	23689	24625	25026	25241	25912	26545
Energy industries own use	202	186	179	207	236	229
By industry and construction	3899	4057	3918	3548	3622	3684
By transport	..	..	..	..	..	..
By households and other cons.	19588	20382	20929	21486	22054	22632
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*9832	*10406	*10439	*12385	*12534	*12305
Combustible fuels	*7892	*8458	*8458	*10403	*10142	*10142
Hydro	*1930	*1938	*1970	*1970	*2380	*2151
Nuclear	..	..	..	..	..	..
Other	*10	*10	*11	*12	*12	*12
Main activity	*7690	*7356	*7388	*9071	*9302	*9073
Combustible fuels	*5800	*5458	*5458	*7141	*6962	*6962
Hydro	*1890	*1898	*1930	*1930	*2340	*2111
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Natural gas	235570	268850	266970	254080	266692	297913
Total input	235570	268850	266970	254080	266692	297913
Total production	84884	96865	96109	91469	96012	107251
Estimated efficiency (% of production to input)	36	36	36	36	36	36

Statistics on electricity

Niue

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	3	3	3	*3	*3	*4
Combustible fuels	3	3	3	*3	*3	*3
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Main activity	3	3	3	*3	*3	*4
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	*4
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	*3
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	31	31	34	*34	*33	34
Total input	31	31	34	*34	*33	34
Total production	12	11	12	*12	*12	*12
Estimated efficiency (% of production to input)	38	36	35	35	36	36

Statistics on electricity
North Macedonia

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	6094	5374	5646	5630	5600	5607
Combustible fuels	4501	4082	3617	3563	4304	3642
Hydro	1584	1207	1865	1897	1110	1791
Nuclear	..	..	..	..	..	..
Other	9	85	164	169	186	174
Main activity	6092	5373	5646	5630	5600	5607
Combustible fuels	4499	4081	3617	3563	4304	3642
Hydro	1584	1207	1865	1897	1110	1791
Nuclear	..	..	..	..	..	..
Other	9	85	164	169	186	174
Own use in electricity, CHP and heat plants	434	412	380	358	387	338
Net production	5660	4961	5266	5272	5213	5269
Imports	2491	3073	2656	2191	2294	2297
Exports	62	113	143	160	311	377
Losses	1152	1069	1035	1007	1004	995
Consumption	6937	6852	6743	6296	6192	6194
Energy industries own use	136	123	108	103	90	89
By industry and construction	2261	2222	1976	1653	1472	1546
By transport	17	19	17	14	14	12
By households and other cons.	4523	4489	4642	4526	4616	4548
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	1731	1759	1790	1823	1836	1839
Combustible fuels	1107	1077	1074	1104	1104	1104
Hydro	617	630	658	660	671	674
Nuclear	..	..	..	..	..	..
Other	7	52	58	59	61	61
Main activity	1728	1756	1790	1823	1836	1839
Combustible fuels	1104	1074	1074	1104	1104	1104
Hydro	617	630	658	660	671	674
Nuclear	..	..	..	..	..	..
Other	7	52	58	59	61	61
Combustible fuel input	Terajoules					
Brown Coal	45809	43856	38046	33979	38362	32774
Biogas	..	..	75	134	191	200
Fuel oil	1246	1663	1584	1130	986	548
Natural gas	3443	1713	1481	4603	6503	5902
Total input	50498	47232	41185	39846	46041	39424
Total production	16204	14695	13023	12827	15495	13110
Estimated efficiency (% of production to input)	32	31	32	32	34	33

Statistics on electricity

Northern Mariana Islands

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*415	*419	*430	*387	*380	*390
Combustible fuels	*415	*419	*430	*387	*380	*390
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*415	*419	*430	*387	*380	*390
Combustible fuels	*415	*419	*430	*387	*380	*390
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	*415	*419	*430	*387	*380	*390
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*92	*93	*96	*86	*85	*86
Consumption	*322	*326	*334	*301	*295	*304
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	*322	*326	*334	*301	*295	*304
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*91	95	*95	95	*95	*95
Combustible fuels	*91	95	*95	95	*95	*95
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*91	95	*95	95	*95	*95
Combustible fuels	*91	95	*95	95	*95	*95
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Total input	..	..	..	..	..	..
Total production	*1493	*1508	*1547	*1392	*1368	*1404
Estimated efficiency (% of production to input)	..	..	..	..	..	..

Statistics on electricity

Norway

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	134072	141970	144546	149042	149480	146889
Combustible fuels	3238	3255	3247	3201	3190	3168
Hydro	128699	136185	138450	143417	143112	139509
Nuclear	..	..	..	..	..	..
Other	2135	2530	2849	2424	3178	4212
Main activity	131393	139070	141616	146136	146635	143967
Combustible fuels	813	668	651	603	669	582
Hydro	128699	136185	138450	143417	143112	139509
Nuclear	..	..	..	..	..	..
Other	1881	2217	2515	2116	2854	3876
Own use in electricity, CHP and heat plants	587	628	642	563	717	651
Net production	133485	141342	143904	148479	148763	146238
Imports	10135	6347	7371	5740	6111	8340
Exports	15141	21932	22016	22151	21276	18489
Losses	8060	7605	7469	9170	9153	9005
Consumption	118876	116673	120255	122117	123023	126142
Energy industries own use	7877	8091	9178	8472	9327	10236
By industry and construction	43348	44446	45012	45756	46010	47004
By transport	632	654	794	866	913	1062
By households and other cons.	67019	63482	65271	67023	66773	67840
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	33486	33697	33837	33808	34228	35348
Combustible fuels	1600	1563	1563	1073	1074	1073
Hydro	31033	31240	31372	31817	31912	32530
Nuclear	..	..	..	..	..	..
Other	853	894	902	918	1242	1745
Main activity	32898	33109	33249	33220	33654	34761
Combustible fuels	1047	1010	1010	520	535	521
Hydro	31033	31240	31372	31817	31912	32530
Nuclear	..	..	..	..	..	..
Other	818	859	867	883	1207	1710
Combustible fuel input	Terajoules					
Hard Coal	674	703	703	731	815	871
Biogas	64	193	181	130	159	130
Gas-diesel oil	258	215	172	258	172	172
Liquefied petroleum gas	0	0	0	0	0	0
Refinery gas	0	0	0	..	..	..
Natural gas	14820	15492	15345	15362	14873	15196
Blast furnace gas	845	938	1088	1006	1255	1247
Fuelwood	1269	77	94	309	1536	1549
Municipal waste	8242	9146	8670	8610	8756	8862
Other liquid biofuels	0	0	0	0	27	0
Total input	26172	26763	26252	26406	27593	28027
Total production	11657	11718	11689	11524	11484	11405
Estimated efficiency (% of production to input)	45	44	45	44	42	41

Statistics on electricity

Oman

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	26241	29129	32762	34232	36130	37671
Combustible fuels	26240	29128	32758	34228	36126	37667
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	1	4	4	4	4
Main activity	26241	29129	32762	34232	36130	37671
Combustible fuels	26240	29128	32758	34228	36126	37667
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	1	4	4	4	4
Own use in electricity, CHP and heat plants	580	786	680	624	457	479
Net production	25661	28343	32082	33608	35673	37192
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	2871	3170	3170	3249	3323	3645
Consumption	22790	25173	28912	30359	32350	33548
Energy industries own use	..	..	..	..	..	..
By industry and construction	3686	4189	4723	5153	5021	5169
By transport	..	..	..	..	..	..
By households and other cons.	19104	20984	24189	25206	27329	28379
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	6599	8215	7870	8167	8236	8828
Combustible fuels	6598	8214	7868	8165	8228	8820
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	1	2	2	8	8
Main activity	6599	8215	7870	8167	8236	8828
Combustible fuels	6598	8214	7868	8165	8228	8820
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	1	2	2	8	8
Combustible fuel input	Terajoules					
Gas-diesel oil	7009	7697	8686	9632	8256	11524
Natural gas	285035	305274	317548	304957	314281	316552
Total input	292044	312971	326234	314589	322537	328076
Total production	94464	104861	117929	123221	130054	135601
Estimated efficiency (% of production to input)	32	34	36	39	40	41

Statistics on electricity
Pakistan

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*100023	108150	110128	115502	123533	134981
Combustible fuels	*65067	70485	70556	74697	81447	93545
Hydro	30397	32210	32867	34573	32132	27729
Nuclear	4553	5090	5804	4602	6867	9849
Other	6	365	901	1630	3087	3858
Main activity	*97990	106106	107514	113189	120807	131999
Combustible fuels	*63034	68541	68382	73016	79732	91583
Hydro	30397	32210	32867	34573	32132	27729
Nuclear	4553	5090	5804	4602	6867	9849
Other	6	265	461	998	2076	2838
Own use in electricity, CHP and heat plants	3757	3984	4123	4502	3793	4310
Net production	*96266	104166	106005	111000	119740	130671
Imports	..	..	552	655	433	297
Exports	..	..	..	..	..	..
Losses	16487	16931	16941	17823	20615	23978
Consumption	83409	85818	90429	95530	103273	*107267
Energy industries own use	..	..	..	..	..	..
By industry and construction	24356	24979	25035	24010	27398	*28357
By transport	0	0	0	0	..	..
By households and other cons.	59053	60839	65394	71520	75875	*78910
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	23996	24830	24699	26756	31418	34880
Combustible fuels	16315	16856	16315	17926	21684	24324
Hydro	6825	6985	7115	7115	7115	7270
Nuclear	750	750	750	750	1090	1430
Other	106	239	519	965	1529	1856
Main activity	23751	24236	24069	26063	30587	34008
Combustible fuels	16070	16395	15848	17459	21191	23831
Hydro	6825	6985	7115	7115	7115	7270
Nuclear	750	750	750	750	1090	1430
Other	106	106	356	739	1191	1477
Combustible fuel input	Terajoules					
Hard Coal	3949	3556	5024	20662	115611	122361
Gas-diesel oil	12470	23134	12040	11954	7955	8385
Fuel oil	299162	346010	324776	299021	*249591	264135
Natural gas	276430	286708	359108	361882	478796	520576
Bagasse	*24278	*22626	*23583	*23560	*23560	23622
Total input	616289	682033	724531	717079	875513	939079
Total production	*234241	253746	254002	268909	293209	336762
Estimated efficiency (% of production to input)	38	37	35	38	33	36

Statistics on electricity

Palau

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*87	*90	*90	*95	*95	*95
Combustible fuels	*87	*90	*90	*95	*95	*95
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	0	0	0
Main activity	*81	*84	*84	*89	*88	*88
Combustible fuels	*81	*84	*84	*89	*88	*88
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	0	0	0
Own use in electricity, CHP and heat plants	*6	*6	*6	*6	*5	*6
Net production	*82	*84	*84	*89	*90	*89
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*14	*14	*14	*15	*16	*16
Consumption	*65	*67	*67	*71	*74	*73
Energy industries own use	..	..	..	..	..	..
By industry and construction	*5	*5	*6	*6	*6	*6
By transport	..	..	..	..	..	..
By households and other cons.	*60	*62	*61	*65	*68	*67
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*30	30	31	40	*40	*40
Combustible fuels	*30	30	30	39	*39	*39
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	1	*1	*1	*2
Main activity	*28	28	29	38	*38	*38
Combustible fuels	*28	28	28	37	*37	*37
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	1	*1	*1	*2
Combustible fuel input	Terajoules					
Gas-diesel oil	*989	*1011	*1011	*1066	*1062	*1054
Total input	*989	*1011	*1011	*1066	*1062	*1054
Total production	*315	*323	*323	*341	*342	*340
Estimated efficiency (% of production to input)	32	32	32	32	32	32

Statistics on electricity

Panama

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	8962	9287	10295	10885	11054	11353
Combustible fuels	3808	4136	3604	3666	3141	2657
Hydro	5154	5034	6257	6523	7256	7858
Nuclear	..	..	..	..	..	..
Other	..	118	435	697	657	838
Main activity	8929	9256	10262	10853	11022	11192
Combustible fuels	3775	4105	3570	3634	3109	2496
Hydro	5154	5034	6257	6523	7256	7858
Nuclear	..	..	..	..	..	..
Other	..	118	435	697	657	838
Own use in electricity, CHP and heat plants	211	200	201	207	242	492
Net production	8751	9087	10095	10678	10812	10861
Imports	75	193	17	30	7	13
Exports	71	99	139	398	318	326
Losses	1220	1328	1400	1512	1448	1423
Consumption	7511	7832	8549	8761	9095	9296
Energy industries own use	..	..	..	..	..	..
By industry and construction	706	689	669	647	651	617
By transport	..	19	42	37	41	41
By households and other cons.	6805	7124	7837	8077	8403	8638
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	2546	2829	3224	3371	3423	4055
Combustible fuels	1032	1148	1202	1235	1225	1811
Hydro	1494	1623	1726	1769	1777	1777
Nuclear	..	..	..	..	..	..
Other	20	57	296	367	421	467
Main activity	2333	2560	2992	3139	3191	3823
Combustible fuels	879	939	1030	1063	1053	1639
Hydro	1434	1563	1666	1709	1717	1717
Nuclear	..	..	..	..	..	..
Other	20	57	296	367	421	467
Combustible fuel input	Terajoules					
Hard Coal	8798	9082	9133	8075	2252	5642
Gas-diesel oil	5676	9546	2555	1935	2718	881
Fuel oil	12484	6828	19386	21312	19682	9750
Natural gas	..	..	..	..	..	6828
Bagasse	3081	2874	2900	4001	2843	4409
Total input	30038	28329	33974	35324	27495	27509
Total production	13708	14888	12974	13199	11309	9565
Estimated efficiency (% of production to input)	46	53	38	37	41	35

Statistics on electricity
Papua New Guinea

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	4039	4305	4560	4794	4595	*4482
Combustible fuels	2621	2863	3125	3367	3155	*3180
Hydro	996	1020	1012	1005	1018	876
Nuclear	..	..	..	..	..	..
Other	422	422	423	422	422	*426
Main activity	980	1069	1153	1274	1291	1290
Combustible fuels	335	409	491	622	622	*622
Hydro	645	660	661	650	667	667
Nuclear	..	..	..	..	..	..
Other	0	0	1	2	2	1
Own use in electricity, CHP and heat plants	75	129	236	465	259	*191
Net production	3964	4176	4324	4329	4336	*4291
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	454	512	442	337	*338	*340
Consumption	3513	3664	3882	3991	*3998	*3951
Energy industries own use	..	..	..	..	..	..
By industry and construction	2559	2652	2838	2931	*2935	*2901
By transport	..	..	..	..	..	..
By households and other cons.	*954	*1012	*1044	*1061	*1063	*1051
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*865	*872	*905	*971	*971	*971
Combustible fuels	*548	*566	*590	*656	*656	*656
Hydro	261	250	*258	*258	*258	*258
Nuclear	..	..	..	..	..	..
Other	56	56	57	57	57	57
Main activity	280	267	*296	*363	*369	*369
Combustible fuels	*118	116	*140	*206	*206	*206
Hydro	162	151	*155	*155	*162	*162
Nuclear	..	..	..	..	..	..
Other	0	0	1	1	1	1
Combustible fuel input	Terajoules					
Gas-diesel oil	5151	3896	4312	3894	4194	*4215
Fuel oil	19263	21856	22273	22693	20180	*20281
Natural gas	5150	6155	6657	8416	8709	*8796
Total input	29564	31907	33242	35003	33083	*33292
Total production	9436	10307	11250	12121	11358	*11448
Estimated efficiency (% of production to input)	32	32	34	35	34	34

Statistics on electricity
Paraguay

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	60381	55282	55744	63771	59685	59212
Combustible fuels	3	6	1	1	2	2
Hydro	60378	55276	55743	63770	59684	59211
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	60381	55282	55744	63771	59685	59212
Combustible fuels	3	6	1	1	2	2
Hydro	60378	55276	55743	63770	59684	59211
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	506	448	451	523	495	483
Net production	59875	54834	55293	63248	59190	58730
Imports	..	..	..	..	..	..
Exports	47365	41400	41127	48415	43635	42205
Losses	3492	3402	3590	3821	4000	4021
Consumption	9018	10030	10576	11012	11555	12504
Energy industries own use	..	..	..	..	..	..
By industry and construction	3567	3801	4010	4105	4452	4695
By transport	..	..	..	..	..	..
By households and other cons.	5451	6229	6567	6907	7103	7808
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	8825	8775	8775	8761	8761	8761
Combustible fuels	15	15	15	1	1	1
Hydro	8810	8760	8760	8760	8760	8760
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	8825	8775	8775	8761	8761	8761
Combustible fuels	15	15	15	1	1	1
Hydro	8810	8760	8760	8760	8760	8760
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	22	57	18	17	20	21
Total input	22	57	18	17	20	21
Total production	11	21	5	5	5	6
Estimated efficiency (% of production to input)	51	37	28	27	27	27

Statistics on electricity

Peru

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	43330	45508	48277	52720	52743	54982
Combustible fuels	20812	22882	23729	26630	22265	21946
Hydro	22320	22171	23722	24785	29075	30737
Nuclear	..	..	..	..	..	..
Other	198	455	826	1305	1403	2299
Main activity	40665	42844	45719	50465	50344	52367
Combustible fuels	18757	20778	21766	25024	20591	20125
Hydro	21709	21611	23127	24136	28393	29989
Nuclear	..	..	..	..	..	..
Other	198	455	826	1305	1360	2253
Own use in electricity, CHP and heat plants	589	800	567	1831	752	743
Net production	42741	44708	47710	50889	51991	54239
Imports	0	0	1	22	17	21
Exports	0	13	55	38	0	..
Losses	4556	5018	5324	5484	5543	5969
Consumption	38208	39719	42334	45390	46464	48293
Energy industries own use	..	..	..	..	..	..
By industry and construction	20686	21798	23446	26054	26716	27832
By transport	22	37	48	46	53	60
By households and other cons.	17499	17884	18840	19290	19695	20401
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	11051	11203	12089	14517	14775	15214
Combustible fuels	7414	7302	7619	8988	9005	9154
Hydro	3556	3662	4130	5189	5246	5363
Nuclear	..	..	..	..	..	..
Other	81	239	340	340	524	697
Main activity	9635	9739	10511	13044	13239	13651
Combustible fuels	6104	5942	6145	7632	7639	7762
Hydro	3451	3558	4026	5072	5116	5232
Nuclear	..	..	..	..	..	..
Other	81	239	340	340	484	657
Combustible fuel input	Terajoules					
Hard Coal	13489	8095	6694	12095	9026	4743
Biogas	806	821	985	1372	391	484
Gas-diesel oil	6183	5500	8983	11425	15751	8088
Fuel oil	8633	6226	6339	7135	6327	6319
Refinery gas	1287	1485	1485	0	..	..
Natural gas	150325	175586	182405	199607	165558	168231
Bagasse	15622	21452	14363	11792	17599	13390
Biodiesel	265	236	383	489	677	346
Total input	196611	219400	221636	243915	215328	201601
Total production	74925	82375	85424	95868	80154	79006
Estimated efficiency (% of production to input)	38	38	39	39	37	39

Statistics on electricity

Philippines

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	75519	77476	82905	91789	95747	100123
Combustible fuels	55811	57845	62292	70519	73554	77885
Hydro	10036	9154	8682	8128	9628	9401
Nuclear	..	..	..	..	..	..
Other	9672	10477	11931	13143	12565	12837
Main activity	75266	77261	82413	90798	94371	99765
Combustible fuels	55575	57647	61818	69544	72195	77544
Hydro	10019	9137	8665	8111	9611	9384
Nuclear	..	..	..	..	..	..
Other	9672	10477	11931	13143	12565	12837
Own use in electricity, CHP and heat plants	6178	6827	7582	9314	9655	9689
Net production	69340	70649	75323	82475	86092	90434
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	7741	7270	7481	8286	8262	8141
Consumption	61566	63345	67808	74154	77793	82384
Energy industries own use	..	..	..	..	..	..
By industry and construction	20677	21429	22514	24119	25573	27678
By transport	112	111	98	103	112	105
By households and other cons.	40777	41805	45196	49933	52108	54601
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	17452	18063	18989	21869	23341	23951
Combustible fuels	12013	12280	12864	15127	16470	16967
Hydro	3537	3559	3616	3634	3643	3717
Nuclear	..	..	..	..	..	..
Other	1902	2224	2509	3108	3228	3267
Main activity	17325	17944	18765	21425	22728	23815
Combustible fuels	11902	12177	12656	14699	15873	16847
Hydro	3521	3543	3600	3618	3627	3701
Nuclear	..	..	..	..	..	..
Other	1902	2224	2509	3108	3228	3267
Combustible fuel input	Terajoules					
Brown Coal	326840	344453	387713	425312	514939	575508
Gas-diesel oil	10866	14732	12711	21251	17402	16473
Fuel oil	35055	44137	47559	31666	24284	15013
Natural gas	128781	135141	127938	146239	146138	157703
Bagasse	2122	1817	4590	9867	13825	15094
Municipal waste	1499	1640	955	447	527	543
Biodiesel	191	269	233	372	307	321
Total input	505355	542188	581699	635153	717423	780654
Total production	200918	208242	224251	253867	264794	280387
Estimated efficiency (% of production to input)	40	38	39	40	37	36

Statistics on electricity
Poland

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	164580	159059	164944	166635	170467	170038
Combustible fuels	155467	148500	151478	151234	152297	154427
Hydro	2997	2734	2435	2622	3034	2387
Nuclear	..	..	..	..	..	..
Other	6116	7825	11031	12779	15136	13224
Main activity	155663	150178	155562	156178	158553	155192
Combustible fuels	146665	139771	142272	140971	140614	140009
Hydro	2994	2731	2432	2619	3030	2384
Nuclear	..	..	..	..	..	..
Other	6004	7676	10858	12588	14909	12799
Own use in electricity, CHP and heat plants	14501	13845	14249	14632	15598	14779
Net production	150079	145214	150695	152003	154869	155259
Imports	7801	13508	14459	14017	13271	13816
Exports	12322	11342	14793	12018	10984	8121
Losses	10247	10250	10534	9495	9996	8894
Consumption	135311	137129	139827	144507	147159	152061
Energy industries own use	11754	11783	12008	11668	11371	11590
By industry and construction	47290	47585	49482	51210	54542	56251
By transport	3156	3007	3107	3287	3327	3469
By households and other cons.	73111	74754	75230	78342	77919	80751
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	35815	35989	37327	38105	42850	43046
Combustible fuels	30027	29760	29961	29783	34412	34314
Hydro	2355	2364	2370	2386	2391	2392
Nuclear	..	..	..	..	..	..
Other	3433	3865	4996	5936	6047	6340
Main activity	34009	34141	35189	36027	40077	39377
Combustible fuels	28226	27942	27934	27895	31929	31220
Hydro	2354	2363	2369	2385	2390	2391
Nuclear	..	..	..	..	..	..
Other	3429	3836	4886	5747	5758	5766
Combustible fuel input	Terajoules					
Hard Coal	978720	900363	912442	938903	953281	944106
Brown Coal	542388	514876	508760	485377	503718	483374
Biogas	4872	5718	6298	7231	8216	8582
Fuel oil	12726	11352	15837	16443	14867	12726
Natural gas	47363	47736	57442	68953	83638	102753
Coke-oven gas	19410	19325	22755	24895	22961	23502
Blast furnace gas	11729	13937	16242	14630	15884	16215
Fuelwood	*40601	*42549	*43633	*45096	*37123	*40861
Vegetal waste	*34017	*42121	*44425	*26528	*16529	*14163
Municipal waste	337	237	727	3959	6497	8918
Others	7887	7194	6620	5793	3933	5158
Total input	1700050	1605409	1635181	1637808	1666648	1660358
Total production	559681	534600	545321	544442	548269	555937
Estimated efficiency (% of production to input)	33	33	33	33	33	33

Statistics on electricity
Portugal

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	51672	52802	52420	60328	59434	59635
Combustible fuels	24110	23440	30005	29903	38346	32154
Hydro	14868	16412	9799	16909	7632	13629
Nuclear	..	..	..	..	..	..
Other	12694	12950	12616	13516	13456	13852
Main activity	42662	44367	44126	52123	50996	51311
Combustible fuels	15330	15323	22076	22104	30392	24340
Hydro	14848	16389	9784	16889	7621	13610
Nuclear	..	..	..	..	..	..
Other	12484	12655	12266	13130	12983	13361
Own use in electricity, CHP and heat plants	1260	1275	1480	1466	1765	1438
Net production	50412	51527	50940	58862	57669	58197
Imports	8100	7247	8077	4616	5506	5668
Exports	5324	6344	5811	9701	8190	8325
Losses	5455	5209	4894	4901	5101	5060
Consumption	47732	47220	48309	48880	49885	50482
Energy industries own use	2475	2025	2497	2485	3243	2522
By industry and construction	15993	15395	15481	15645	16143	16398
By transport	301	302	308	431	485	490
By households and other cons.	28963	29498	30023	30319	30014	31072
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	18900	19124	19624	20613	20933	21185
Combustible fuels	8308	8113	8048	7990	7974	8080
Hydro	5661	5715	6168	6960	7226	7236
Nuclear	..	..	..	..	..	..
Other	4931	5296	5408	5663	5733	5869
Main activity	16841	17020	17575	18570	18849	18949
Combustible fuels	6409	6205	6205	6209	6205	6208
Hydro	5655	5709	6162	6954	7220	7230
Nuclear	..	..	..	..	..	..
Other	4777	5106	5208	5407	5424	5511
Combustible fuel input	Terajoules					
Hard Coal	110009	111645	135911	118603	135518	112406
Biogas	2736	3078	3121	2996	3224	3127
Gas-diesel oil	860	903	989	774	774	774
Fuel oil	11393	9494	9656	9938	9373	8646
Refinery gas	1188	941	644	396	446	545
Natural gas	79197	72602	97300	110638	155583	133961
Fuelwood	20169	12198	11382	15464	12423	10834
Vegetal waste	..	5824	6961	2483	5060	9280
Municipal waste	8097	6845	8155	8680	8739	8121
Black liquor	..	6552	7031	7751	9033	7093
Others	138	128	153	617	576	301
Total input	233786	230209	281301	278340	340748	295087
Total production	86796	84384	108018	107651	138046	115754
Estimated efficiency (% of production to input)	37	37	38	39	41	39

Statistics on electricity
Puerto Rico

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	21812	21316	21160	20887	16571	*16647
Combustible fuels	21509	20969	20771	20505	16212	*16420
Hydro	91	81	56	71	51	38
Nuclear	..	..	..	..	..	..
Other	213	266	333	311	308	189
Main activity	21562	21066	20910	20637	16361	*16427
Combustible fuels	21259	20719	20521	20255	16002	*16200
Hydro	91	81	56	71	51	38
Nuclear	..	..	..	..	..	..
Other	213	266	333	311	308	189
Own use in electricity, CHP and heat plants	553	795	602	587	461	*480
Net production	21259	20522	20558	20300	16110	*16167
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*2906	*2900	*3073	*2988	*2553	*2500
Consumption	18353	17621	17485	17312	13557	*13667
Energy industries own use	..	..	..	..	..	..
By industry and construction	2579	2338	2355	2250	1741	*1750
By transport	..	..	..	..	..	..
By households and other cons.	15774	15283	15130	15062	11816	*11917
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	6083	*6097	*6112	6257	*6265	*6265
Combustible fuels	5800	*5800	*5800	5900	*5900	*5900
Hydro	100	99	99	99	*99	99
Nuclear	..	..	..	..	..	..
Other	183	198	213	258	266	266
Main activity	6022	*6036	*6051	6196	*6204	*6205
Combustible fuels	5739	*5739	*5739	5839	*5839	*5840
Hydro	100	99	99	99	*99	99
Nuclear	..	..	..	..	..	..
Other	183	198	213	258	266	266
Combustible fuel input	Terajoules					
Hard Coal	32327	36688	34133	36352	24200	*25155
Fuel oil	111423	106688	115952	102071	90116	*92920
Natural gas	60736	60736	57717	65818	54411	*55000
Total input	204487	204112	207802	204241	168728	*173075
Total production	77431	75489	74776	73819	58362	*59112
Estimated efficiency (% of production to input)	38	37	36	36	35	34

Statistics on electricity

Qatar

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	34668	38692	41499	42307	45555	47913
Combustible fuels	34668	38692	41499	42307	45555	47913
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	3090	3502	2501	2550	2742	1533
Combustible fuels	3090	3502	2501	2550	2742	1533
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	2444	2568	2647	2642	2831	3259
Net production	32224	36124	38852	39665	42724	44654
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	2159	2341	2475	2532	2695	2786
Consumption	30066	33784	36378	37134	40030	*41868
Energy industries own use	..	..	..	..	..	..
By industry and construction	9944	11568	11887	12026	11262	12197
By transport	..	..	..	..	..	..
By households and other cons.	20122	22216	24491	25108	28768	*29671
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*8790	*8791	*8561	*8559	*10170	*10590
Combustible fuels	*8790	*8791	*8561	*8559	*10170	*10590
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*1318	*1319	*1284	*1284	*1526	*1553
Combustible fuels	*1318	*1319	*1284	*1284	*1526	*1553
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Natural gas	442417	381028	399818	407605	438866	452055
Total input	442417	381028	399818	407605	438866	452055
Total production	124805	139291	149396	152305	163998	172487
Estimated efficiency (% of production to input)	28	37	37	37	37	38