

Statistics on electricity
Madagascar

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	1670	1728	1886	1994	2095	2162
Combustible fuels	774	777	980	1182	1104	1244
Hydro	884	935	887	789	968	886
Nuclear	..	..	..	..	..	..
Other	13	16	20	23	*23	32
Main activity	1500	1558	1671	1725	1820	1892
Combustible fuels	604	607	765	913	829	974
Hydro	884	935	887	789	968	886
Nuclear	..	..	..	..	..	..
Other	13	16	20	23	*23	32
Own use in electricity, CHP and heat plants	*38	*41	*46	49	25	28
Net production	1633	1687	1840	1945	2070	2134
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*105	*110	116	128	*130	*135
Consumption	1540	1593	1757	1825	*1940	1999
Energy industries own use	..	..	..	..	..	..
By industry and construction	*537	*544	416	442	608	533
By transport	..	..	..	..	..	..
By households and other cons.	1003	1049	1342	1383	*1332	1466
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*549	*552	536	675	658	546
Combustible fuels	*379	*379	366	496	473	361
Hydro	163	164	159	166	165	165
Nuclear	..	..	..	..	..	..
Other	7	9	11	13	20	20
Main activity	*517	*520	496	615	598	486
Combustible fuels	*347	*347	326	436	413	301
Hydro	163	164	159	166	165	165
Nuclear	..	..	..	..	..	..
Other	7	9	11	13	20	20
Combustible fuel input	Terajoules					
Hard Coal	*697	*722	712	963	851	955
Gas-diesel oil	3474	4795	5865	4687	*4257	*5031
Fuel oil	*1939	*1818	2182	5292	5414	5858
Bagasse	..	..	336	368	333	357
Total input	6110	7335	9095	11310	10855	12201
Total production	2786	2799	3528	4255	3973	4477
Estimated efficiency (% of production to input)	46	38	39	38	37	37

Statistics on electricity

Malawi

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*2167	2245	2233	2142	*1997	*2321
Combustible fuels	*181	*183	*183	*183	*185	*189
Hydro	*1970	2037	2025	1920	*1765	*2085
Nuclear	..	..	..	..	..	..
Other	16	25	25	39	47	*47
Main activity	*1986	2062	2050	1959	*1812	*2132
Combustible fuels	*5	*5	*5	*5	*5	*5
Hydro	*1965	2032	2020	1915	*1760	*2080
Nuclear	..	..	..	..	..	..
Other	16	25	25	39	47	*47
Own use in electricity, CHP and heat plants	*110	120	106	*183	*155	*134
Net production	*2057	2125	2127	1959	*1842	*2187
Imports	..	..	..	..	..	..
Exports	24	22	24	20	19	20
Losses	*315	*394	*248	*459	*389	*434
Consumption	1718	1559	1855	1329	1384	1633
Energy industries own use	..	..	..	..	..	..
By industry and construction	709	691	971	573	492	761
By transport	..	..	..	..	..	..
By households and other cons.	1009	868	884	756	892	872
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	575	579	579	586	601	603
Combustible fuels	*212	*211	*211	*211	*211	*211
Hydro	355	356	356	356	367	369
Nuclear	..	..	..	..	..	..
Other	8	12	12	19	23	23
Main activity	361	364	364	371	386	388
Combustible fuels	*2	*1	*1	*1	*1	*1
Hydro	351	351	351	351	362	364
Nuclear	..	..	..	..	..	..
Other	8	12	12	19	23	23
Combustible fuel input	Terajoules					
Gas-diesel oil	*1886	*1829	*1904	*1905	*1943	1982
Bagasse	*1116	*934	*903	*903	*903	*903
Total input	*3002	*2764	*2808	*2808	*2847	2886
Total production	*652	*658	*658	*658	*666	*679
Estimated efficiency (% of production to input)	22	24	23	23	23	24

Statistics on electricity
Malaysia

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	147461	150123	156665	164509	170578	175778
Combustible fuels	133846	135926	136336	137599	143621	148168
Hydro	13388	13924	20019	26580	26325	26666
Nuclear	..	..	..	..	..	..
Other	227	273	310	330	632	*943
Main activity	142788	145137	150442	159257	163415	168194
Combustible fuels	129173	130940	130113	132352	136517	140670
Hydro	13388	13924	20019	26575	26325	26666
Nuclear	..	..	..	..	..	..
Other	227	273	310	330	573	*857
Own use in electricity, CHP and heat plants	2885	4043	1317	4588	696	5974
Net production	144576	146080	155348	159921	169882	169804
Imports	23	13	33	7	20	19
Exports	12	3	694	1124	1509	669
Losses	15585	12535	10102	12288	14109	12124
Consumption	128333	132199	144024	146520	152866	158703
Energy industries own use	..	..	..	..	..	..
By industry and construction	58948	60641	67664	71417	76088	79436
By transport	256	266	340	459	482	503
By households and other cons.	69129	71292	76020	74644	76296	78764
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	29974	30440	33090	33334	34389	*34153
Combustible fuels	25040	23519	25732	26848	26432	*26260
Hydro	4773	5716	6137	6128	6168	6245
Nuclear	..	..	..	..	..	..
Other	161	1205	1220	358	1790	1648
Main activity	27623	27368	29789	30892	31714	*31699
Combustible fuels	22695	21309	23226	24410	24479	*24498
Hydro	4768	5714	6135	6126	6168	6245
Nuclear	..	..	..	..	..	..
Other	160	345	427	356	1066	956
Combustible fuel input	Terajoules					
Hard Coal	571404	654254	710051	794090	857092	894234
Gas-diesel oil	27391	13975	8944	15781	14448	15067
Fuel oil	10948	4121	6302	4040	687	724
Natural gas	650113	711320	600958	540161	536208	606454
Vegetal waste	9346	9878	9878	*8196	12581	12624
Total input	1269202	1393548	1336134	1362268	1421016	1529103
Total production	481846	489334	490810	495356	517036	533406
Estimated efficiency (% of production to input)	38	35	37	36	36	35

Statistics on electricity

Maldives

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	543	619	672	725	772	847
Combustible fuels	535	611	660	709	756	823
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	8	8	12	16	16	24
Main activity	335	394	432	465	492	547
Combustible fuels	327	386	420	449	476	523
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	8	8	12	16	16	24
Own use in electricity, CHP and heat plants	*18	*19	*21	*21	*21	*22
Net production	525	600	651	704	751	825
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*16	*18	*20	*20	*21	*22
Consumption	*509	*582	*631	*684	*730	*803
Energy industries own use	..	..	..	..	..	..
By industry and construction	*33	*33	*35	*37	*39	*40
By transport	..	..	..	..	..	..
By households and other cons.	*476	*549	*596	*647	*691	*763
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	271	271	274	*277	*376	544
Combustible fuels	266	266	266	*266	*365	529
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	5	5	8	11	11	15
Main activity	146	146	149	*152	*251	334
Combustible fuels	141	141	141	*141	*240	319
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	5	5	8	11	11	15
Combustible fuel input	Terajoules					
Gas-diesel oil	*6695	*7310	*7433	*8109	*8790	*9460
Total input	*6695	*7310	*7433	*8109	*8790	*9460
Total production	1926	2201	2376	2552	2722	2963
Estimated efficiency (% of production to input)	29	30	32	31	31	31

Statistics on electricity

Mali

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	2104	2370	2613	*3068	*3261	*3298
Combustible fuels	1107	1356	1509	*1935	*2128	*2152
Hydro	997	1012	1102	1130	*1130	*1143
Nuclear	..	..	..	..	..	..
Other	..	2	2	3	*3	*4
Main activity	1574	1712	1905	2082	*2083	*2107
Combustible fuels	577	698	801	949	*950	*961
Hydro	997	1012	1102	1130	*1130	*1143
Nuclear	..	..	..	..	..	..
Other	..	2	2	3	*3	*4
Own use in electricity, CHP and heat plants	*9	*10	*11	*12	*13	*13
Net production	2095	2360	2602	*3056	*3248	*3285
Imports	*512	*317	113	*117	*198	*200
Exports	*479	*486	*529	*535	*550	*556
Losses	*339	*288	*311	*318	*356	*360
Consumption	1785	*1903	*1875	*2320	*2540	*2569
Energy industries own use	..	..	..	..	..	..
By industry and construction	810	*823	*715	*920	*1010	*1021
By transport	..	..	..	..	..	..
By households and other cons.	975	*1080	*1160	*1400	*1530	*1548
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*854	*855	*941	*1012	*1012	*1015
Combustible fuels	*404	*404	*490	*560	*560	*560
Hydro	*450	*450	*450	*450	*450	*450
Nuclear	..	..	..	..	..	..
Other	..	*1	*1	*2	*2	*5
Main activity	*740	*741	*741	*752	*752	*755
Combustible fuels	*290	*290	*290	*300	*300	*300
Hydro	*450	*450	*450	*450	*450	*450
Nuclear	..	..	..	..	..	..
Other	..	*1	*1	*2	*2	*5
Combustible fuel input	Terajoules					
Gas-diesel oil	18275	*19350	*13115	*17200	*19608	*19935
Bagasse	1457	*1457	1457	*1457	*1457	*1457
Total input	19732	*20807	*14572	*18657	*21065	*21392
Total production	3984	4882	5432	*6965	*7661	*7745
Estimated efficiency (% of production to input)	20	23	37	37	36	36

Statistics on electricity

Malta

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	2245	1305	857	1652	1961	2076
Combustible fuels	2177	1210	729	1489	1772	1864
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	68	95	128	162	189	212
Main activity	2170	1203	721	1480	1763	1858
Combustible fuels	2170	1203	721	1480	1763	1858
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	108	64	51	49	50	59
Net production	2137	1241	806	1603	1911	2017
Imports	..	1054	1527	897	631	657
Exports	..	..	..	36	11	20
Losses	132	179	216	144	143	158
Consumption	2005	2114	2117	2320	2389	2496
Energy industries own use	..	..	..	3	3	2
By industry and construction	406	415	411	459	478	485
By transport	..	..	..	0	1	2
By households and other cons.	1599	1699	1706	1858	1907	2007
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	678	668	573	706	726	748
Combustible fuels	623	593	480	595	595	595
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	55	75	94	112	131	154
Main activity	620	590	475	590	590	590
Combustible fuels	620	590	475	590	590	590
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Biogas	37	46	42	46	42	31
Gas-diesel oil	2322	860	129	252	224	410
Fuel oil	18665	10262	7151	1913	0	..
Natural gas	..	..	..	10776	13602	14217
Total input	21024	11168	7322	12987	13868	14657
Total production	7837	4356	2624	5362	6381	6712
Estimated efficiency (% of production to input)	37	39	36	41	46	46

Statistics on electricity

Marshall Islands

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*86	*87	*88	*89	*90	*90
Combustible fuels	*85	*86	*86	*87	*88	*88
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	1	2	2	2	2
Main activity	*86	*87	*88	*89	*90	*90
Combustible fuels	*85	*86	*86	*87	*88	*88
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	1	2	2	2	2
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	*86	*87	*88	*89	*90	*90
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*11	*11	*11	*12	*12	*12
Consumption	*75	*75	*76	*78	*78	*78
Energy industries own use	..	..	..	..	..	..
By industry and construction	*3	*3	*4	*4	*4	*4
By transport	..	..	..	..	..	..
By households and other cons.	*72	*72	*73	*74	*74	*75
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	34	37	*38	*39	*39	*39
Combustible fuels	33	36	*36	*37	*37	*37
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	1	2	2	2	2
Main activity	34	37	*38	*39	*39	*39
Combustible fuels	33	36	*36	*37	*37	*37
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	1	2	2	2	2
Combustible fuel input	Terajoules					
Gas-diesel oil	*796	*817	*817	*834	*843	*843
Total input	*796	*817	*817	*834	*843	*843
Total production	*306	*308	*308	*314	*315	*316
Estimated efficiency (% of production to input)	38	38	38	38	37	37

Statistics on electricity

Mauritania

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	851	975	1042	1183	1271	1347
Combustible fuels	808	841	875	1022	1023	1099
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	43	134	168	161	248	*248
Main activity	525	662	683	841	925	997
Combustible fuels	482	528	515	680	677	749
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	43	134	168	161	248	*248
Own use in electricity, CHP and heat plants	25	35	63	95	95	73
Net production	826	940	979	1088	1176	1275
Imports	183	183	221	*185	198	204
Exports	..	..	57	..	..	..
Losses	*172	*190	*192	*210	*230	*217
Consumption	844	932	941	982	1023	1099
Energy industries own use	..	..	..	..	..	..
By industry and construction	326	360	357	343	342	372
By transport	..	..	..	..	..	..
By households and other cons.	519	572	584	639	681	728
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	240	444	*461	*506	*570	*608
Combustible fuels	218	392	*392	*421	*449	*486
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	22	52	69	85	121	122
Main activity	161	364	*381	*426	*485	*518
Combustible fuels	139	312	*312	*341	*364	*396
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	22	52	69	85	121	122
Combustible fuel input	Terajoules					
Gas-diesel oil	5173	*5616	*5031	*7310	*7740	*7955
Fuel oil	2784	2630	*2674	*2771	*2020	*2424
Total input	7956	*8246	*7705	*10081	*9760	*10379
Total production	2907	3028	3148	3678	3683	3956
Estimated efficiency (% of production to input)	37	37	41	36	38	38

Statistics on electricity

Mauritius

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	2936	2996	3042	3120	3132	3237
Combustible fuels	2817	2845	2894	2976	2943	2994
Hydro	91	122	100	90	125	99
Nuclear	..	..	..	..	..	..
Other	28	29	48	54	64	144
Main activity	1175	1258	1215	1277	1350	1462
Combustible fuels	1081	1133	1112	1184	1223	1361
Hydro	91	122	100	90	125	99
Nuclear	..	..	..	..	..	..
Other	3	3	4	3	3	3
Own use in electricity, CHP and heat plants	42	44	45	44	44	45
Net production	2894	2952	2998	3076	3088	3192
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	182	178	172	187	165	182
Consumption	2708	2770	2815	2880	2918	3001
Energy industries own use	256	264	260	266	268	247
By industry and construction	687	696	706	727	734	744
By transport	..	..	..	..	..	..
By households and other cons.	1765	1809	1848	1886	1916	2010
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	782	792	847	836	873	844
Combustible fuels	702	711	749	736	735	684
Hydro	61	61	61	60	60	60
Nuclear	..	..	..	..	..	..
Other	19	20	38	40	78	100
Main activity	490	489	499	513	512	512
Combustible fuels	428	427	437	452	450	450
Hydro	61	61	61	60	60	60
Nuclear	..	..	..	..	..	..
Other	1	1	1	1	1	1
Combustible fuel input	Terajoules					
Hard Coal	18344	17647	18091	18871	17916	16464
Biogas	*70	73	67	61	81	71
Gas-diesel oil	43	43	45	55	34	28
Fuel oil	8928	9292	8696	9672	9991	11034
Other kerosene	44	44	34	41	28	162
Bagasse	7954	9575	8722	8324	7791	7736
Total input	35383	36675	35654	37025	35842	35495
Total production	10142	10242	10420	10714	10593	10779
Estimated efficiency (% of production to input)	29	28	29	29	30	30

Statistics on electricity

Mexico

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	301496	310712	320565	322063	357593	344176
Combustible fuels	240279	253005	262310	261726	279725	266753
Hydro	38893	30815	30698	31982	32526	23716
Nuclear	9677	11577	10567	10883	13675	11190
Other	12647	15315	16990	17472	31667	42517
Main activity	258258	262721	266201	259078	292942	284294
Combustible fuels	202346	212385	217231	209160	226758	220287
Hydro	38145	30051	29805	31040	31621	22927
Nuclear	9677	11577	10567	10883	13675	11190
Other	8090	8708	8598	7995	20888	29890
Own use in electricity, CHP and heat plants	11446	12935	17689	13130	13466	13486
Net production	290050	297777	302876	308933	344126	330690
Imports	2124	1650	2232	2151	3673	3907
Exports	2653	2320	1968	1804	2426	3084
Losses	41322	40640	40002	43915	43915	40018
Consumption	256779	261850	274210	275859	277778	284167
Energy industries own use	4559	4400	3843	3938	4185	4092
By industry and construction	142326	139990	145945	147465	146474	153433
By transport	1130	1134	1140	1077	1072	1106
By households and other cons.	108764	116326	123282	123379	126047	125537
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	66255	67504	72574	74431	89351	92286
Combustible fuels	48893	49421	53047	54388	62010	63521
Hydro	12464	12223	12580	12628	12643	13301
Nuclear	1400	1510	1608	1608	1634	1721
Other	3498	4350	5339	5807	13064	13743
Main activity	54379	54856	55904	57536	76423	80473
Combustible fuels	39294	39735	40280	41616	53963	56823
Hydro	12269	12028	12348	12395	12418	13076
Nuclear	1400	1510	1608	1608	1634	1721
Other	1416	1583	1668	1917	8408	8853
Combustible fuel input	Terajoules					
Hard Coal	150551	146312	169061	205979	183718	201282
Brown Coal	200358	206785	198168	133446	120895	99833
Biogas	1939	1961	1912	2265	2082	2195
Gas-diesel oil	21371	21586	27606	31820	40936	34701
Fuel oil	300010	254762	282194	306838	265711	325584
Petroleum coke	39910	39163	29803	38350	37863	39520
Natural gas	1484833	1609427	1684576	1782417	1698244	1500693
Blast furnace gas	4620	5592	4677	3470	2452	2060
Bagasse	*71126	*68416	*70268	*56085	*76074	*79090
Industrial waste	861	473	552	897	1010	1067
Others	5704	5711	4389	2747	397	668
Total input	2281284	2360188	2473205	2564315	2429381	2286692
Total production	865004	910818	944316	942214	1007009	960311
Estimated efficiency (% of production to input)	38	39	38	37	41	42

Statistics on electricity

Micronesia (Fed. States of)

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	69	67	*68	*67	*69	*69
Combustible fuels	68	66	*66	*65	*65	*65
Hydro	0	0	0	0	0	0
Nuclear	..	..	..	..	..	..
Other	1	1	2	2	4	4
Main activity	69	67	*68	*67	*69	*69
Combustible fuels	68	66	*66	*65	*65	*65
Hydro	0	0	0	0	0	0
Nuclear	..	..	..	..	..	..
Other	1	1	2	2	4	4
Own use in electricity, CHP and heat plants	3	1	2	*2	*2	*3
Net production	66	66	*65	*65	*66	*67
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*15	*19	*19	*20	*21	*21
Consumption	*51	46	*46	*46	*46	*46
Energy industries own use	..	..	..	..	..	..
By industry and construction	*14	15	*15	*15	*15	*15
By transport	..	..	..	..	..	..
By households and other cons.	*38	31	*31	*31	*31	*31
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	34	*34	*34	*34	*36	*36
Combustible fuels	32	*32	*32	*32	*32	*32
Hydro	2	2	2	*2	*2	*2
Nuclear	..	..	..	..	..	..
Other	1	1	1	1	3	3
Main activity	34	*34	*34	*34	*36	*36
Combustible fuels	32	*32	*32	*32	*32	*32
Hydro	2	2	2	*2	*2	*2
Nuclear	..	..	..	..	..	..
Other	1	1	1	1	3	3
Combustible fuel input	Terajoules					
Gas-diesel oil	*774	834	*834	*830	*830	*826
Total input	*774	834	*834	*830	*830	*826
Total production	243	236	*236	*235	*233	*233
Estimated efficiency (% of production to input)	31	28	28	28	28	28

Statistics on electricity

Mongolia

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	5578	5513	5667	6027	6535	6900
Combustible fuels	5376	5290	5413	5759	6055	6416
Hydro	68	61	87	86	81	*85
Nuclear	..	..	..	..	..	..
Other	134	162	167	182	399	*399
Main activity	5510	5452	5580	5941	6454	6815
Combustible fuels	5376	5290	5413	5759	6055	6416
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	134	162	167	182	399	*399
Own use in electricity, CHP and heat plants	975	778	749	816	849	861
Net production	4603	4735	4918	5211	5686	6040
Imports	1349	1417	1446	1574	1666	1723
Exports	33	51	36	26	27	24
Losses	793	783	817	811	875	892
Consumption	5159	5284	5446	5949	6450	6847
Energy industries own use	..	..	..	..	..	..
By industry and construction	3172	3261	3356	3692	4003	4249
By transport	211	217	223	248	268	285
By households and other cons.	1776	1806	1867	2009	2178	2313
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*1175	*1175	*1199	1311	*1461	*1486
Combustible fuels	*1092	*1092	*1103	1132	*1210	*1210
Hydro	26	26	29	29	31	31
Nuclear	..	..	..	..	..	..
Other	57	57	67	150	220	245
Main activity	*1139	*1139	*1160	1272	*1420	*1445
Combustible fuels	*1082	*1082	*1093	1122	*1200	*1200
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	57	57	67	150	220	245
Combustible fuel input	Terajoules					
Hard Coal	38740	40417	42227	51712	63440	45811
Brown Coal	76185	75744	75391	78587	79093	87952
Gas-diesel oil	3311	3182	2662	3913	4124	*4356
Fuel oil	125	129	105	89	121	121
Total input	118361	119472	120385	134301	146777	138240
Total production	19354	19045	19487	20733	21799	23099
Estimated efficiency (% of production to input)	16	16	16	15	15	17

Statistics on electricity

Montenegro

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	3173	3003	3141	2483	3679	3423
Combustible fuels	1421	1512	1298	1348	1444	1506
Hydro	1752	1491	1843	1040	2092	1621
Nuclear	..	..	..	..	..	..
Other	..	..	..	95	143	296
Main activity	3173	3003	3141	2483	3679	3423
Combustible fuels	1421	1512	1298	1348	1444	1506
Hydro	1752	1491	1843	1040	2092	1621
Nuclear	..	..	..	..	..	..
Other	..	..	..	95	143	296
Own use in electricity, CHP and heat plants	135	131	118	119	134	129
Net production	3038	2872	3023	2364	3546	3294
Imports	903	1040	1210	1537	780	1196
Exports	642	517	906	417	976	943
Losses	689	586	541	512	503	493
Consumption	2610	2679	2671	2855	2847	3054
Energy industries own use	..	..	..	..	..	..
By industry and construction	760	767	660	732	737	699
By transport	18	20	21	20	19	21
By households and other cons.	1832	1892	1990	2103	2090	2335
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	870	870	870	949	999	1001
Combustible fuels	219	219	219	225	225	225
Hydro	651	651	651	652	652	652
Nuclear	..	..	..	..	..	..
Other	..	..	..	72	121	123
Main activity	870	870	870	949	999	1001
Combustible fuels	219	219	219	225	225	225
Hydro	651	651	651	652	652	652
Nuclear	..	..	..	..	..	..
Other	..	..	..	72	121	123
Combustible fuel input	Terajoules					
Brown Coal	14708	15362	12028	12341	14816	15109
Total input	14708	15362	12028	12341	14816	15109
Total production	5116	5443	4673	4853	5198	5423
Estimated efficiency (% of production to input)	35	35	39	39	35	36

Statistics on electricity

Montserrat

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	13	13	14	13	14	14
Combustible fuels	13	13	14	13	14	14
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	0
Main activity	13	13	14	13	14	14
Combustible fuels	13	13	14	13	14	14
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	0
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	12	13	13	13	14	14
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	0	0	1	0	1	0
Consumption	10	11	11	11	11	12
Energy industries own use	..	..	..	..	..	..
By industry and construction	0	0	0	0	0	0
By transport	..	..	..	..	..	..
By households and other cons.	10	11	11	11	11	12
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	6	5	5	5	5	6
Combustible fuels	6	5	5	5	5	5
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	0
Main activity	6	5	5	5	5	6
Combustible fuels	6	5	5	5	5	5
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	0
Combustible fuel input	Terajoules					
Gas-diesel oil	*181	*184	*194	*172	*186	*168
Total input	*181	*184	*194	*172	*186	*168
Total production	45	46	49	48	51	50
Estimated efficiency (% of production to input)	25	25	25	28	27	30

Statistics on electricity

Morocco

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	29384	31217	32141	33192	35822	41650
Combustible fuels	24125	25108	25776	26875	27731	32414
Hydro	2033	2282	1662	1565	1998	1654
Nuclear	..	..	..	..	..	..
Other	3226	3827	4703	4752	6093	7583
Main activity	27945	29855	30839	31890	34519	40348
Combustible fuels	23988	25048	25776	26875	27731	32414
Hydro	2033	2282	1662	1565	1998	1654
Nuclear	..	..	..	..	..	..
Other	1924	2525	3401	3450	4791	6281
Own use in electricity, CHP and heat plants	44	52	50	60	42	41
Net production	29340	31165	32091	33132	35779	41610
Imports	6138	5138	5289	6058	3724	526
Exports	128	165	135	161	350	1453
Losses	5197	5515	5654	6066	6134	6703
Consumption	30153	30624	31592	32962	33020	33979
Energy industries own use	899	685	529	510	406	527
By industry and construction	10659	10864	11190	11825	12065	12431
By transport	332	345	352	368	375	386
By households and other cons.	18263	18730	19521	20259	20175	20634
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	11294	11455	11561	12120	12350	13977
Combustible fuels	8727	8727	8732	9128	9151	10276
Hydro	1770	1770	1770	1770	1770	1770
Nuclear	..	..	..	..	..	..
Other	797	958	1059	1222	1429	1931
Main activity	7994	8155	8261	8820	9050	10677
Combustible fuels	5427	5427	5432	5828	5851	6976
Hydro	1770	1770	1770	1770	1770	1770
Nuclear	..	..	..	..	..	..
Other	797	958	1059	1222	1429	1931
Combustible fuel input	Terajoules					
Hard Coal	*171048	*188077	178592	185656	214785	278225
Gas-diesel oil	645	430	516	416	255	186
Fuel oil	*28765	*23917	31148	34721	12420	6496
Natural gas	42865	43985	45068	44651	39792	37016
Total input	*243323	*256409	255324	265445	267252	321924
Total production	86850	90389	92794	96749	99830	116690
Estimated efficiency (% of production to input)	36	35	36	36	37	36

Statistics on electricity
Mozambique

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	17739	19641	18697	17641	17140	18981
Combustible fuels	1379	2547	3103	3581	3239	4021
Hydro	16359	17093	15592	14058	13899	14930
Nuclear	..	..	..	..	..	..
Other	1	1	2	2	1	31
Main activity	17271	19471	18620	17394	16927	18759
Combustible fuels	1379	2493	3045	3335	3027	3799
Hydro	15892	16978	15575	14058	13899	14930
Nuclear	..	..	..	..	..	..
Other	..	..	..	2	1	31
Own use in electricity, CHP and heat plants	238	238	58	246	234	247
Net production	17501	19403	18639	17394	16906	18734
Imports	7656	10547	9928	8289	8327	8276
Exports	10199	12876	14269	10010	9738	10771
Losses	2612	5080	2480	2603	2663	2768
Consumption	12342	12180	11383	12346	12437	12952
Energy industries own use	..	..	..	103	93	116
By industry and construction	10651	9800	9100	10307	10416	10557
By transport	..	..	..	..	..	..
By households and other cons.	1691	2380	2283	1936	1928	2279
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	2682	2508	2491	*2741	*2744	*2814
Combustible fuels	359	410	412	*415	*440	*480
Hydro	2322	2097	2078	*2311	*2264	*2264
Nuclear	..	..	..	..	..	..
Other	1	1	1	*15	*40	*70
Main activity	2596	2460	2460	*2711	*2714	*2774
Combustible fuels	359	385	385	*385	*410	*440
Hydro	2237	2075	2075	*2311	*2264	*2264
Nuclear	..	..	..	..	..	..
Other	..	..	..	*15	*40	*70
Combustible fuel input	Terajoules					
Gas-diesel oil	..	215	215	52	47	44
Fuel oil	..	..	..	5671	2267	1250
Natural gas	16137	23573	24356	25469	25710	29940
Bagasse	..	..	..	3201	3130	2944
Total input	16137	23788	24571	34392	31154	34178
Total production	4964	9168	11172	12892	11661	14476
Estimated efficiency (% of production to input)	31	39	45	37	37	42

Statistics on electricity

Myanmar

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	15626	17212	20248	20055	22883	23778
Combustible fuels	5328	6573	8123	8864	11641	14328
Hydro	10298	10639	12125	11191	11228	9369
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	14	81
Main activity	13570	15193	17218	13557	10487	9363
Combustible fuels	3828	5129	5734	3116	2862	3399
Hydro	9742	10064	11484	10441	7625	5964
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	1622	1242	2381	136	184	205
Net production	14005	15970	17867	19919	22699	23573
Imports	..	..	..	116	152	122
Exports	..	..	..	1393	1527	1281
Losses	2750	2414	2385	2803	3405	3734
Consumption	11255	13397	15355	15839	17919	18681
Energy industries own use	..	..	..	..	..	..
By industry and construction	7142	2145	2120	2773	4581	5553
By transport	..	..	..	..	..	..
By households and other cons.	4113	11252	13235	13066	13338	13128
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	4805	5259	5390	5642	5838	7129
Combustible fuels	1620	2076	2135	2387	2536	3827
Hydro	3185	3183	3255	3255	3262	3262
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	40	40
Main activity	4177	4631	4590	4288	3144	3410
Combustible fuels	1164	1620	1507	1205	993	1259
Hydro	3013	3011	3083	3083	2151	2151
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Hard Coal	619	465	*1047	*6373	21934	32145
Gas-diesel oil	4300	4322	6807	4597	860	1247
Natural gas	71842	89943	123472	126111	126322	171094
Total input	76761	94730	131326	137081	149116	204486
Total production	19181	23663	29243	31912	41908	51581
Estimated efficiency (% of production to input)	25	25	22	23	28	25

Statistics on electricity
Namibia

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	1530	1576	1479	1694	1307	1052
Combustible fuels	13	34	62	66	21	52
Hydro	1485	1502	1359	1593	1144	954
Nuclear	..	..	..	..	..	..
Other	32	40	58	*35	142	46
Main activity	1530	1576	1479	1694	1307	1052
Combustible fuels	13	34	62	66	21	52
Hydro	1485	1502	1359	1593	1144	954
Nuclear	..	..	..	..	..	..
Other	32	40	58	*35	142	46
Own use in electricity, CHP and heat plants	2	1	1	4	11	0
Net production	1528	1575	1478	1690	1296	1052
Imports	2886	2678	3085	2939	3449	3417
Exports	84	88	99	100	114	119
Losses	546	340	504	445	434	270
Consumption	3747	3782	3909	4057	4171	4040
Energy industries own use	..	..	..	..	..	..
By industry and construction	716	613	585	603	586	537
By transport	..	..	..	..	..	..
By households and other cons.	3031	3169	3324	3454	3585	3503
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	504	513	529	565	582	600
Combustible fuels	155	155	143	143	143	113
Hydro	332	337	350	347	347	347
Nuclear	..	..	..	..	..	..
Other	17	21	36	75	93	140
Main activity	504	513	529	565	582	600
Combustible fuels	155	155	143	143	143	113
Hydro	332	337	350	347	347	347
Nuclear	..	..	..	..	..	..
Other	17	21	36	75	93	140
Combustible fuel input	Terajoules					
Hard Coal	0	91	772	953	295	634
Gas-diesel oil	172	387	129	0	..	104
Total input	172	478	901	953	295	737
Total production	47	122	223	238	76	186
Estimated efficiency (% of production to input)	27	26	25	25	26	25

Statistics on electricity

Nauru

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*25	31	32	35	36	37
Combustible fuels	*25	31	31	34	35	36
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	1	1	1
Main activity	*25	31	32	35	36	37
Combustible fuels	*25	31	31	34	35	36
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	1	1	1
Own use in electricity, CHP and heat plants	0	0	0	0	0	1
Net production	*25	31	31	34	36	36
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*8	12	10	9	8	4
Consumption	*17	19	21	26	28	32
Energy industries own use	..	..	..	..	..	..
By industry and construction	*1	1	1	1	1	2
By transport	..	..	..	..	..	..
By households and other cons.	*16	18	20	25	27	30
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*6	*6	*7	*8	*14	*14
Combustible fuels	*6	*6	*6	*7	*13	*13
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	1	1	1	1
Main activity	*6	*6	*7	*8	*14	*14
Combustible fuels	*6	*6	*6	*7	*13	*13
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	1	1	1	1
Combustible fuel input	Terajoules					
Gas-diesel oil	*305	334	343	360	344	343
Total input	*305	334	343	360	344	343
Total production	*90	112	113	121	126	130
Estimated efficiency (% of production to input)	29	34	33	34	37	38

Statistics on electricity

Nepal

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	3508	3460	4244	4639	4902	6181
Combustible fuels	10	..	..	0	0	0
Hydro	3498	3453	4237	4632	4895	6173
Nuclear	..	..	..	..	..	..
Other	..	7	7	7	6	7
Main activity	3368	3306	4089	4483	4745	6019
Combustible fuels	10	..	..	0	0	0
Hydro	3358	3299	4082	4476	4738	6012
Nuclear	..	..	..	..	..	..
Other	..	7	7	7	6	7
Own use in electricity, CHP and heat plants	15	49	48	55	56	30
Net production	3493	3411	4196	4584	4846	6151
Imports	1319	1778	2175	2582	2813	1729
Exports	3	3	3	3	35	107
Losses	*1200	1309	1433	1443	1114	1183
Consumption	3491	3867	4926	5710	6500	6579
Energy industries own use	..	..	..	..	..	..
By industry and construction	1252	1206	1719	2010	2438	2286
By transport	6	6	6	5	5	3
By households and other cons.	2233	2655	3201	3695	4057	4290
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*829	798	979	*1142	1190	1198
Combustible fuels	53	53	53	53	53	53
Hydro	*776	738	919	*1081	1129	1129
Nuclear	..	..	..	..	..	..
Other	..	*7	*7	*7	*7	*15
Main activity	*654	701	879	*1041	1065	1074
Combustible fuels	53	53	53	53	53	53
Hydro	*601	641	819	*981	1005	1005
Nuclear	..	..	..	..	..	..
Other	..	*7	*7	*7	*7	*15
Combustible fuel input	Terajoules					
Fuel oil	*89	0	0	1	1	1
Total input	*89	0	0	1	1	1
Total production	35	..	..	0	0	0
Estimated efficiency (% of production to input)	39	..	..	40	40	38

Statistics on electricity
Netherlands

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	103359	110232	115168	117219	114103	121062
Combustible fuels	92488	95922	99952	99368	95659	99620
Hydro	112	93	100	61	72	74
Nuclear	4091	4078	3960	3402	3515	3910
Other	6668	10139	11156	14388	14857	17458
Main activity	81447	87279	92099	91977	87410	92340
Combustible fuels	72440	75543	79596	77467	73575	77021
Hydro	112	93	100	61	72	74
Nuclear	4091	4078	3960	3402	3515	3910
Other	4804	7565	8443	11046	10248	11335
Own use in electricity, CHP and heat plants	4645	4483	4179	3794	3411	3490
Net production	98714	105749	110989	113425	110692	117572
Imports	32855	30760	24258	22458	26755	20403
Exports	18128	22012	19343	18952	18785	19548
Losses	4934	5264	5434	5414	5334	5059
Consumption	107291	109823	111173	112221	114394	115153
Energy industries own use	5592	5672	5814	5581	5708	5599
By industry and construction	33295	34367	35678	35856	35912	35713
By transport	1716	1729	1969	1997	2121	2364
By households and other cons.	66688	68055	67712	68787	70653	71477
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	31722	33878	34262	33822	35110	37086
Combustible fuels	27286	28356	27266	26105	25505	24821
Hydro	37	37	37	37	37	37
Nuclear	485	485	485	485	485	485
Other	3914	5000	6474	7195	9083	11743
Main activity	24951	26805	26719	25557	24966	24772
Combustible fuels	22092	23355	22346	21186	20061	19416
Hydro	37	37	37	37	37	37
Nuclear	485	485	485	485	485	485
Other	2337	2928	3851	3849	4383	4834
Combustible fuel input	Terajoules					
Hard Coal	257247	336307	306318	267976	231463	155720
Biogas	6169	6656	6245	5776	5395	5384
Gas-diesel oil	2924	817	559	488	482	769
Refinery gas	20345	13662	13613	11632	15019	17385
Natural gas	423496	370867	415368	446211	433194	511005
Coke-oven gas	1965	1850	1495	1993	1848	1904
Blast furnace gas	24677	24109	22715	23423	22206	21179
Fuelwood	*16311	*19448	*16302	*15390	*11523	24472
Vegetal waste	*5344	*1245	*5245	*6229	*9622	*9641
Municipal waste	70843	70793	75189	73443	70913	69139
Others	3096	..	..	..	..	..
Total input	832416	845754	863049	852561	801666	816597
Total production	332957	345319	359827	357724	344371	358632
Estimated efficiency (% of production to input)	40	41	42	42	43	44

Statistics on electricity
New Caledonia

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	3011	2903	3130	3228	3486	3333
Combustible fuels	2660	2494	2842	2794	3077	2876
Hydro	289	340	232	361	317	285
Nuclear	..	..	..	..	..	..
Other	62	68	57	73	92	173
Main activity	3011	2903	3130	3228	3486	3333
Combustible fuels	2660	2494	2842	2794	3077	2876
Hydro	289	340	232	361	317	285
Nuclear	..	..	..	..	..	..
Other	62	68	57	73	92	173
Own use in electricity, CHP and heat plants	0	0	0	1	1	4
Net production	3011	2903	3130	3228	3485	3329
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	58	61	90	68	65	57
Consumption	2953	2842	3040	3161	3513	3369
Energy industries own use	..	..	..	..	..	..
By industry and construction	2324	2193	2354	2488	2739	2604
By transport	..	..	..	..	..	..
By households and other cons.	630	650	686	672	774	765
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	683	998	1001	*1020	*1040	*1066
Combustible fuels	565	875	875	*875	*875	*875
Hydro	78	78	78	78	78	78
Nuclear	..	..	..	..	..	..
Other	40	44	48	67	87	*113
Main activity	622	937	940	*957	*972	*991
Combustible fuels	505	815	815	*815	*815	*815
Hydro	78	78	78	78	78	78
Nuclear	..	..	..	..	..	..
Other	40	44	46	64	79	98
Combustible fuel input	Terajoules					
Hard Coal	10405	12389	17157	19141	16989	18820
Gas-diesel oil	6717	3500	2700	2223	3677	1790
Fuel oil	15320	15792	16677	14512	15756	14447
Other kerosene	293	237	311	210	403	31
Bitumen	145	133	133	113	121	129
Other liquid biofuels	*5	*5	*7	*5	*5	*5
Total input	32885	32056	36986	36204	36951	35223
Total production	9576	8979	10230	10059	11077	10352
Estimated efficiency (% of production to input)	29	28	28	28	30	29

Statistics on electricity

New Zealand

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	43679	44378	43824	44323	44412	44811
Combustible fuels	9657	9389	7466	8901	7926	8765
Hydro	24316	24528	25920	25177	26290	25575
Nuclear	..	..	..	..	..	..
Other	9706	10461	10438	10245	10197	10472
Main activity	42270	42931	42416	42866	43001	43254
Combustible fuels	8392	8106	6245	7645	6728	7448
Hydro	24312	24524	25916	25173	26286	25571
Nuclear	..	..	..	..	..	..
Other	9566	10301	10255	10048	9986	10236
Own use in electricity, CHP and heat plants	1319	1339	1223	1311	1255	1309
Net production	42360	43039	42601	43012	43157	43503
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	2851	2897	2955	2944	2942	2951
Consumption	40013	40454	39914	39634	39703	39953
Energy industries own use	613	700	731	751	695	724
By industry and construction	13806	13910	13816	13865	13927	14110
By transport	69	84	91	91	94	110
By households and other cons.	25525	25760	25276	24927	24988	25009
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	9788	9448	9290	9311	9358	9391
Combustible fuels	2763	2384	2210	2213	2216	2216
Hydro	5381	5381	5381	5381	5381	5389
Nuclear	..	..	..	..	..	..
Other	1644	1683	1699	1717	1761	1786
Main activity	9518	9163	8989	8988	9015	9023
Combustible fuels	2542	2163	1989	1988	1991	1991
Hydro	5378	5378	5378	5378	5378	5386
Nuclear	..	..	..	..	..	..
Other	1598	1622	1622	1622	1646	1646
Combustible fuel input	Terajoules					
Brown Coal	13900	11331	4620	5591	9126	16627
Biogas	2625	2827	3004	3021	2983	2982
Gas-diesel oil	43	0	43	59	118	39
Natural gas	58540	56477	49137	59596	49204	49591
Coke-oven gas	2007	2119	1854	1966	1941	2626
Blast furnace gas	5482	5617	5377	5665	5314	5492
Fuelwood	*3938	*3805	*3639	*3252	*3399	*3313
Total input	86535	82176	67674	79151	72085	80670
Total production	34765	33800	26878	32042	28532	31555
Estimated efficiency (% of production to input)	40	41	40	40	40	39

Statistics on electricity
Nicaragua

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	4454	4580	4591	4525	4636	4574
Combustible fuels	2550	2740	2728	2657	2599	2815
Hydro	395	295	426	468	411	227
Nuclear	..	..	..	..	..	..
Other	1509	1545	1437	1400	1626	1533
Main activity	3909	4071	4002	3814	3901	3686
Combustible fuels	2006	2232	2140	1946	1864	1927
Hydro	394	294	425	468	411	227
Nuclear	..	..	..	..	..	..
Other	1509	1545	1437	1400	1626	1533
Own use in electricity, CHP and heat plants	161	364	193	407	403	478
Net production	4293	4216	4398	4118	4233	4096
Imports	22	34	205	327	201	434
Exports	49	22	18	1	0	0
Losses	926	837	964	996	978	1089
Consumption	3325	3396	3665	3451	3594	3713
Energy industries own use	..	..	..	..	..	..
By industry and construction	1105	1128	1174	1147	1069	1092
By transport	..	..	..	..	..	..
By households and other cons.	2220	2268	2491	2304	2525	2621
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	1329	1346	1396	1482	1482	1621
Combustible fuels	866	866	912	985	985	1107
Hydro	120	138	142	142	142	158
Nuclear	..	..	..	..	..	..
Other	342	342	342	355	355	356
Main activity	1194	1211	1219	1305	1305	1402
Combustible fuels	733	733	735	809	809	888
Hydro	119	137	142	142	142	157
Nuclear	..	..	..	..	..	..
Other	342	342	342	355	355	356
Combustible fuel input	Terajoules					
Biogas	..	..	..	..	..	75
Gas-diesel oil	645	645	602	602	516	509
Fuel oil	17816	20119	19473	17210	16483	17093
Bagasse	*14495	*13301	*14126	*16153	*15717	*16287
Vegetal waste	0	0	0	0	*348	*272
Total input	32956	34065	34201	33965	33064	34237
Total production	9180	9864	9821	9565	9356	10133
Estimated efficiency (% of production to input)	28	29	29	28	28	30

Statistics on electricity

Niger

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	521	522	442	566	480	*555
Combustible fuels	512	511	428	552	447	*522
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	10	11	13	15	33	33
Main activity	472	496	415	541	437	*511
Combustible fuels	472	496	415	541	437	*511
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	44	44	68	72	38	50
Net production	478	478	374	494	442	*505
Imports	727	782	779	845	1253	1057
Exports	0	0	0	0	0	..
Losses	191	215	*208	*218	*238	313
Consumption	858	916	*968	*1014	*1379	1239
Energy industries own use	..	..	..	..	..	..
By industry and construction	*215	218	*272	*285	*387	219
By transport	..	..	..	..	..	..
By households and other cons.	644	699	*696	*729	*992	1020
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	230	277	288	290	311	*324
Combustible fuels	224	270	280	281	291	*297
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	6	7	8	9	20	27
Main activity	170	216	226	228	238	*244
Combustible fuels	170	216	226	228	238	*244
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Hard Coal	4231	3535	3721	3552	3414	3214
Gas-diesel oil	1883	2253	2279	*2365	*2064	2322
Liquefied petroleum gas	710	596	*449	*520	*572	907
Other oil products	..	..	..	764	764	683
Total input	6824	6384	6449	7202	6814	7126
Total production	1842	1838	1542	1986	1610	*1880
Estimated efficiency (% of production to input)	27	29	24	28	24	26

Statistics on electricity
Nigeria

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	32278	32445	36512	32221	32446	31422
Combustible fuels	26907	26697	28331	24443	25657	24633
Hydro	5346	5721	8151	7747	6758	6745
Nuclear	..	..	..	..	..	..
Other	25	27	30	31	31	44
Main activity	26247	26467	30124	26690	26670	25857
Combustible fuels	21010	20863	22140	19102	20051	19250
Hydro	5237	5604	7984	7588	6620	6607
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	948	931	1047	924	931	901
Net production	31330	31514	35465	31297	31516	30521
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	4838	4866	5476	4833	4867	4713
Consumption	24625	25026	25636	26228	26881	27516
Energy industries own use	186	179	207	236	229	242
By industry and construction	4057	3918	3825	3817	3897	3927
By transport	..	..	..	..	..	..
By households and other cons.	20382	20929	21604	22175	22756	23347
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*10587	*10589	*12535	*12275	*12275	11681
Combustible fuels	*8458	*8458	*10403	*10142	*10142	9539
Hydro	*2110	*2111	*2111	*2111	*2111	*2111
Nuclear	..	..	..	..	..	..
Other	19	20	21	22	22	31
Main activity	*7528	*7529	*9212	*9033	*9033	8430
Combustible fuels	*5458	*5458	*7141	*6962	*6962	6359
Hydro	*2070	*2071	*2071	*2071	*2071	*2071
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Natural gas	268850	266970	283310	244700	268629	254826
Total input	268850	266970	283310	244700	268629	254826
Total production	96865	96109	101992	87996	92366	88679
Estimated efficiency (% of production to input)	36	36	36	36	34	35

Statistics on electricity

Niue

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	3	3	*3	*3	*4	*4
Combustible fuels	3	3	*3	*3	*3	*4
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Main activity	3	3	*3	*3	*4	*4
Combustible fuels	3	3	*3	*3	*3	*4
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	*4	*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	*3	*3
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	2	*2	*2	*2	*2	*3
Combustible fuels	2	*2	*2	*2	*2	*2
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	1
Main activity	2	*2	*2	*2	*2	*3
Combustible fuels	2	*2	*2	*2	*2	*2
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	1
Combustible fuel input	Terajoules					
Gas-diesel oil	31	34	*34	*33	34	39
Total input	31	34	*34	*33	34	39
Total production	11	12	*12	*12	*12	*13
Estimated efficiency (% of production to input)	36	35	35	36	36	33

Statistics on electricity
North Macedonia

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	5374	5646	5630	5600	5607	5870
Combustible fuels	4082	3638	3599	4356	3696	4581
Hydro	1207	1865	1897	1110	1791	1164
Nuclear	..	..	..	..	..	..
Other	85	143	133	134	120	125
Main activity	5373	5646	5630	5600	5607	5870
Combustible fuels	4081	3638	3599	4356	3696	4581
Hydro	1207	1865	1897	1110	1791	1164
Nuclear	..	..	..	..	..	..
Other	85	143	133	134	120	125
Own use in electricity, CHP and heat plants	412	380	358	387	338	381
Net production	4961	5266	5272	5213	5269	5488
Imports	3073	2656	2191	2294	2297	2411
Exports	113	143	160	311	377	583
Losses	1069	1035	1007	1004	995	979
Consumption	6852	6743	6296	6192	6194	6337
Energy industries own use	123	108	103	90	89	96
By industry and construction	2222	1976	1653	1472	1560	1620
By transport	19	17	14	14	12	14
By households and other cons.	4489	4642	4526	4616	4534	4606
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	1759	1790	1823	1836	1839	1844
Combustible fuels	1077	1078	1109	1111	1111	1112
Hydro	630	658	660	671	674	678
Nuclear	..	..	..	..	..	..
Other	52	54	54	54	54	54
Main activity	1756	1790	1823	1836	1839	1844
Combustible fuels	1074	1078	1109	1111	1111	1112
Hydro	630	658	660	671	674	678
Nuclear	..	..	..	..	..	..
Other	52	54	54	54	54	54
Combustible fuel input	Terajoules					
Brown Coal	43856	38046	33979	38362	32774	39673
Biogas	..	75	134	191	200	204
Fuel oil	1663	1584	1130	986	548	690
Natural gas	1713	1481	4603	6503	5902	7231
Total input	47232	41185	39846	46041	39425	47798
Total production	14695	13095	12956	15680	13304	16492
Estimated efficiency (% of production to input)	31	32	33	34	34	35

Statistics on electricity

Northern Mariana Islands

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*419	*430	*387	*380	*390	*392
Combustible fuels	*419	*430	*387	*380	*390	*392
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*419	*430	*387	*380	*390	*392
Combustible fuels	*419	*430	*387	*380	*390	*392
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	*419	*430	*387	*380	*390	*392
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*93	*96	*86	*85	*86	*86
Consumption	*326	*334	*301	*295	*304	*306
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	*326	*334	*301	*295	*304	*306
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	95	*95	95	*95	*95	*98
Combustible fuels	95	*95	95	*95	*95	*98
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	95	*95	95	*95	*95	*98
Combustible fuels	95	*95	95	*95	*95	*98
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	*5375	*5504	*4945	*4859	*4988	*5031
Total input	*5375	*5504	*4945	*4859	*4988	*5031
Total production	*1508	*1547	*1392	*1368	*1404	*1411
Estimated efficiency (% of production to input)	28	28	28	28	28	28

Statistics on electricity

Norway

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	141970	144546	149042	149480	146891	135292
Combustible fuels	3255	3247	3201	3190	3169	3010
Hydro	136185	138450	143417	143112	139509	126404
Nuclear	..	..	..	..	..	..
Other	2530	2849	2424	3178	4213	5877
Main activity	139070	141616	146136	146635	143968	132571
Combustible fuels	668	651	603	669	584	631
Hydro	136185	138450	143417	143112	139509	126404
Nuclear	..	..	..	..	..	..
Other	2217	2515	2116	2854	3876	5536
Own use in electricity, CHP and heat plants	628	642	563	717	653	626
Net production	141342	143904	148479	148763	146238	134666
Imports	6347	7371	5740	6111	8340	12353
Exports	21932	22016	22151	21276	18489	12309
Losses	7605	7469	9170	9153	9005	8257
Consumption	116673	120255	122117	123023	126143	125459
Energy industries own use	8091	9178	8472	9327	10236	9835
By industry and construction	44446	45012	45756	46010	47004	46555
By transport	654	794	901	993	1223	1446
By households and other cons.	63482	65271	66988	66693	67679	67623
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	33697	33839	33810	34230	35418	36912
Combustible fuels	1563	1563	1073	1074	1073	1074
Hydro	31240	31372	31817	31912	32530	32797
Nuclear	..	..	..	..	..	..
Other	894	904	920	1244	1815	3041
Main activity	33109	33249	33220	33654	34761	36233
Combustible fuels	1010	1010	520	535	521	522
Hydro	31240	31372	31817	31912	32530	32797
Nuclear	..	..	..	..	..	..
Other	859	867	883	1207	1710	2914
Combustible fuel input	Terajoules					
Hard Coal	703	703	731	815	865	853
Biogas	193	181	130	159	130	134
Gas-diesel oil	215	172	258	172	167	101
Liquefied petroleum gas	0	0	0	0	12	12
Refinery gas	3713	4653	4851	5544	4507	3752
Natural gas	15492	15345	15362	14873	15196	13990
Blast furnace gas	938	1088	1006	1255	1247	1251
Fuelwood	77	94	309	1536	1549	1839
Municipal waste	9146	8670	8610	8756	8861	9158
Other liquid biofuels	0	0	0	14	8	7
Total input	30476	30905	31257	33124	32541	31098
Total production	11718	11689	11524	11484	11410	10838
Estimated efficiency (% of production to input)	38	38	37	35	35	35

Statistics on electricity

Oman

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	29129	32762	34232	36130	37718	38337
Combustible fuels	29128	32758	34228	36114	37702	38320
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	4	4	16	16	17
Main activity	29129	32762	34232	36130	37718	38337
Combustible fuels	29128	32758	34228	36114	37702	38320
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	4	4	16	16	17
Own use in electricity, CHP and heat plants	785	676	620	459	497	820
Net production	28344	32086	33612	35670	37221	37517
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	3172	3174	3253	3321	3674	3721
Consumption	25172	28912	30359	32349	33547	33796
Energy industries own use	..	..	..	..	..	..
By industry and construction	4189	4723	5153	5021	5169	5092
By transport	..	..	..	..	..	..
By households and other cons.	20983	24189	25206	27328	28379	28704
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	8214	7868	8165	8228	8450	8501
Combustible fuels	8213	7866	8163	8220	8442	8442
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	2	2	8	8	59
Main activity	8214	7868	8165	8228	8450	8501
Combustible fuels	8213	7866	8163	8220	8442	8442
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	2	2	8	8	59
Combustible fuel input	Terajoules					
Gas-diesel oil	7697	8686	9632	10606	11542	12308
Natural gas	305274	317548	304957	314281	316552	286348
Total input	312971	326234	314589	324887	328094	298657
Total production	104860	117928	123220	130011	135728	137953
Estimated efficiency (% of production to input)	34	36	39	40	41	46

Statistics on electricity
Pakistan

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	108150	110129	115503	123533	134982	136461
Combustible fuels	70485	70557	74698	81447	93546	89621
Hydro	32210	32867	34573	32132	27729	32789
Nuclear	5090	5804	4602	6867	9849	9134
Other	365	901	1630	3087	3858	4917
Main activity	106106	107515	113189	120807	131999	133481
Combustible fuels	68541	68383	73016	79732	91583	87608
Hydro	32210	32867	34573	32132	27729	32789
Nuclear	5090	5804	4602	6867	9849	9134
Other	265	461	998	2076	2838	3950
Own use in electricity, CHP and heat plants	3984	4124	4503	3793	4311	2896
Net production	104166	106005	111000	119740	130671	133565
Imports	..	552	655	433	297	499
Exports	..	..	..	..	..	..
Losses	16931	16941	17823	20615	16765	17389
Consumption	85818	90429	95530	103273	109459	113546
Energy industries own use	..	..	..	..	..	..
By industry and construction	24979	25035	24010	27398	28760	29834
By transport	0	0	0	..	..	..
By households and other cons.	60839	65394	71520	75875	80699	83712
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	24830	24495	26698	31246	34875	37681
Combustible fuels	16856	16217	17874	21518	24325	24386
Hydro	6985	7115	7115	7115	7270	9757
Nuclear	750	750	750	1090	1430	1430
Other	239	413	959	1523	1850	2108
Main activity	24236	23872	26012	30434	34012	36761
Combustible fuels	16395	15751	17407	21037	23834	23896
Hydro	6985	7115	7115	7115	7270	9757
Nuclear	750	750	750	1090	1430	1430
Other	106	256	740	1192	1478	1678
Combustible fuel input	Terajoules					
Hard Coal	3556	5024	20662	115611	122361	153542
Gas-diesel oil	23134	12040	11954	7955	1118	1118
Fuel oil	346010	324776	299021	*249591	*111948	*113039
Natural gas	286708	359108	361882	478796	520576	477108
Bagasse	*22626	*23583	*23560	*23560	*23622	*23622
Total input	682033	724531	717079	875513	779625	768429
Total production	253746	254005	268913	293209	336766	322636
Estimated efficiency (% of production to input)	37	35	38	33	43	42

Statistics on electricity

Palau

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*90	*90	*95	*95	*97	*97
Combustible fuels	*90	*90	*95	*95	*95	*95
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	0	0	2	2
Main activity	*84	*84	*89	*88	*90	*90
Combustible fuels	*84	*84	*89	*88	*88	*88
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	0	0	2	2
Own use in electricity, CHP and heat plants	*5	*5	*5	*5	*5	*5
Net production	*85	*85	*90	*90	*92	*92
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*11	*11	*12	*11	*11	*11
Consumption	*67	*73	*77	*81	*80	*81
Energy industries own use	..	..	..	..	..	..
By industry and construction	*5	*6	*6	*6	*6	*6
By transport	..	..	..	..	..	..
By households and other cons.	*62	*67	*71	*75	*74	*75
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	30	31	40	*40	*40	*41
Combustible fuels	30	30	39	*39	*39	*39
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	1	*1	*1	*2	*2
Main activity	28	29	38	*38	*38	*39
Combustible fuels	28	28	37	*37	*37	*37
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	1	*1	*1	*2	*2
Combustible fuel input	Terajoules					
Gas-diesel oil	*1011	*1011	*1066	*1062	*1054	*1075
Total input	*1011	*1011	*1066	*1062	*1054	*1075
Total production	*323	*323	*341	*342	*340	*340
Estimated efficiency (% of production to input)	32	32	32	32	32	32

Statistics on electricity

Panama

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	9287	10295	10885	11054	11353	11663
Combustible fuels	4136	3604	3666	3141	2657	5527
Hydro	5034	6257	6523	7256	7858	5096
Nuclear	..	..	..	..	..	..
Other	118	435	697	657	838	1040
Main activity	9256	10262	10853	11022	11192	10495
Combustible fuels	4105	3570	3634	3109	2496	4359
Hydro	5034	6257	6523	7256	7858	5096
Nuclear	..	..	..	..	..	..
Other	118	435	697	657	838	1040
Own use in electricity, CHP and heat plants	200	201	207	242	492	197
Net production	9087	10095	10678	10812	10861	11466
Imports	193	17	30	7	13	77
Exports	99	139	398	318	326	427
Losses	1328	1400	1512	1448	1423	1309
Consumption	7832	8549	8761	9095	9296	9786
Energy industries own use	..	..	..	..	..	..
By industry and construction	689	669	647	651	617	605
By transport	19	42	37	41	41	54
By households and other cons.	7124	7837	8077	8403	8638	9127
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	2829	3224	3371	3423	4055	4091
Combustible fuels	1148	1202	1235	1225	1811	1819
Hydro	1623	1726	1769	1777	1777	1796
Nuclear	..	..	..	..	..	..
Other	57	296	367	421	467	476
Main activity	2560	2992	3139	3191	3823	3569
Combustible fuels	939	1030	1063	1053	1639	1357
Hydro	1563	1666	1709	1717	1717	1736
Nuclear	..	..	..	..	..	..
Other	57	296	367	421	467	476
Combustible fuel input	Terajoules					
Hard Coal	9082	9133	8075	2252	5642	23137
Gas-diesel oil	9546	2555	1935	2718	881	929
Fuel oil	6828	19386	21312	19682	9750	11126
Natural gas	..	..	..	..	10180	31663
Bagasse	2874	2900	4001	2843	4409	2573
Total input	28329	33974	35324	27495	30862	69428
Total production	14888	12974	13199	11309	9565	19896
Estimated efficiency (% of production to input)	53	38	37	41	31	29

Statistics on electricity
Papua New Guinea

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	4305	4560	4794	4595	4629	*4858
Combustible fuels	2863	3125	3367	3155	3375	*3483
Hydro	1020	1012	1005	1018	830	*928
Nuclear	..	..	..	..	..	..
Other	422	423	422	422	424	*446
Main activity	1069	1153	1274	1291	1376	*1485
Combustible fuels	409	491	622	622	753	*833
Hydro	660	661	650	667	621	*650
Nuclear	..	..	..	..	..	..
Other	0	1	2	2	2	*2
Own use in electricity, CHP and heat plants	129	236	465	259	58	*58
Net production	4176	4324	4329	4336	4571	*4799
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	512	442	337	*338	291	305
Consumption	3664	3882	3991	*3998	*4280	*4494
Energy industries own use	..	..	..	..	..	..
By industry and construction	2652	2838	2931	*2935	*3140	*3297
By transport	..	..	..	..	..	..
By households and other cons.	*1012	*1044	*1061	*1063	*1140	*1197
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*872	*905	*971	*971	*1102	*1152
Combustible fuels	*566	*590	*656	*656	*750	*800
Hydro	250	*258	*258	*258	295	*295
Nuclear	..	..	..	..	..	..
Other	56	57	57	57	57	57
Main activity	267	*296	*363	*369	*501	*551
Combustible fuels	116	*140	*206	*206	*300	*350
Hydro	151	*155	*155	*162	200	*200
Nuclear	..	..	..	..	..	..
Other	0	1	1	1	1	1
Combustible fuel input	Terajoules					
Gas-diesel oil	3896	4312	3894	4194	6824	*7166
Fuel oil	21856	22273	22693	20179	27047	*28399
Natural gas	6155	6657	8416	8709	6699	*7034
Bagasse	84	84	84	84	84	88
Total input	31991	33326	35087	33166	40654	*42687
Total production	10307	11250	12121	11358	12150	*12540
Estimated efficiency (% of production to input)	32	34	35	34	30	29

Statistics on electricity
Paraguay

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	55282	55744	63771	59685	59212	49448
Combustible fuels	6	1	1	2	2	2
Hydro	55276	55743	63770	59684	59211	49446
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	55282	55744	63771	59685	59212	49448
Combustible fuels	6	1	1	2	2	2
Hydro	55276	55743	63770	59684	59211	49446
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	448	451	523	495	483	390
Net production	54834	55293	63248	59190	58730	49058
Imports	..	..	..	..	..	..
Exports	41400	41127	48415	43635	42205	31748
Losses	3402	3590	3821	4000	4021	4470
Consumption	10030	10576	11012	11555	12504	12840
Energy industries own use	..	..	..	..	..	..
By industry and construction	3801	4010	4105	4452	4695	4714
By transport	..	..	..	..	..	..
By households and other cons.	6229	6567	6907	7103	7808	8126
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	8775	8775	8761	8761	8761	8761
Combustible fuels	15	15	1	1	1	1
Hydro	8760	8760	8760	8760	8760	8760
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	8775	8775	8761	8761	8761	8761
Combustible fuels	15	15	1	1	1	1
Hydro	8760	8760	8760	8760	8760	8760
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	57	18	17	20	21	24
Total input	57	18	17	20	21	24
Total production	21	5	5	5	6	7
Estimated efficiency (% of production to input)	37	28	27	27	27	31

Statistics on electricity

Peru

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	45508	48277	52720	52743	54982	57038
Combustible fuels	22882	23729	26630	22265	21946	23088
Hydro	22171	23722	24785	29075	30737	31462
Nuclear	..	..	..	..	..	..
Other	455	826	1305	1403	2299	2488
Main activity	42844	45719	50465	50344	52367	54464
Combustible fuels	20778	21766	25024	20591	20125	21261
Hydro	21611	23127	24136	28393	29989	30769
Nuclear	..	..	..	..	..	..
Other	455	826	1305	1360	2253	2434
Own use in electricity, CHP and heat plants	800	567	1831	752	743	743
Net production	44708	47710	50889	51991	54239	56296
Imports	0	1	22	17	21	60
Exports	13	55	38	0	..	..
Losses	5018	5324	5484	5543	5969	5969
Consumption	39719	42334	45390	46464	48293	49831
Energy industries own use	..	..	..	..	..	..
By industry and construction	21798	23446	26054	26716	27832	28695
By transport	37	48	46	53	60	75
By households and other cons.	17884	18840	19290	19695	20401	21061
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	11203	12089	14517	14775	15214	15162
Combustible fuels	7302	7619	8988	9005	9154	9062
Hydro	3662	4130	5189	5246	5363	5397
Nuclear	..	..	..	..	..	..
Other	239	340	340	524	697	703
Main activity	9739	10511	13044	13239	13651	13650
Combustible fuels	5942	6145	7632	7639	7762	7723
Hydro	3558	4026	5072	5116	5232	5266
Nuclear	..	..	..	..	..	..
Other	239	340	340	484	657	661
Combustible fuel input	Terajoules					
Hard Coal	8095	6694	12095	9026	4735	5662
Biogas	821	985	1372	391	484	576
Gas-diesel oil	5500	8983	11425	15751	7825	6861
Fuel oil	6226	6339	7135	6327	5821	5824
Refinery gas	1485	1485	0	..	..	..
Natural gas	175586	182405	199607	165558	168231	177697
Bagasse	21452	14363	11792	17599	13390	14490
Biodiesel	236	383	489	677	391	343
Total input	219400	221636	243915	215328	200877	211453
Total production	82375	85424	95868	80154	79006	83119
Estimated efficiency (% of production to input)	38	39	39	37	39	39

Statistics on electricity

Philippines

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	77476	82905	91789	95747	101223	107517
Combustible fuels	57845	62292	70519	73554	78985	86496
Hydro	9154	8682	8128	9628	9401	8043
Nuclear	..	..	..	..	..	..
Other	10477	11931	13143	12565	12837	12979
Main activity	77261	82413	90798	94371	99765	106042
Combustible fuels	57647	61818	69544	72195	77544	85038
Hydro	9137	8665	8111	9611	9384	8026
Nuclear	..	..	..	..	..	..
Other	10477	11931	13143	12565	12837	12979
Own use in electricity, CHP and heat plants	6827	7582	9314	9655	9589	10333
Net production	70649	75323	82475	86092	91634	97184
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	7270	7481	8286	8262	9007	9994
Consumption	63345	67808	74154	77793	82617	87118
Energy industries own use	..	..	..	..	..	..
By industry and construction	21429	22514	24119	25573	27587	28194
By transport	111	98	103	112	105	106
By households and other cons.	41805	45196	49933	52108	54925	58818
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	18063	18989	21869	23341	24464	26187
Combustible fuels	12280	12864	15127	16470	17480	19135
Hydro	3559	3616	3634	3643	3717	3776
Nuclear	..	..	..	..	..	..
Other	2224	2509	3108	3228	3267	3276
Main activity	17944	18765	21425	22728	23815	25531
Combustible fuels	12177	12656	14699	15873	16847	18495
Hydro	3543	3600	3618	3627	3701	3760
Nuclear	..	..	..	..	..	..
Other	2224	2509	3108	3228	3267	3276
Combustible fuel input	Terajoules					
Brown Coal	344453	387713	425312	514939	575508	632054
Gas-diesel oil	14732	12711	21251	17402	16473	17931
Fuel oil	44137	47559	31666	24284	15013	16148
Natural gas	135141	127938	146239	146138	157703	161726
Bagasse	1817	4590	9867	13825	15094	14144
Municipal waste	1640	955	447	527	543	634
Biodiesel	269	233	372	307	321	347
Total input	542188	581699	635153	717423	780654	842984
Total production	208242	224251	253867	264794	284345	311384
Estimated efficiency (% of production to input)	38	39	40	37	36	37

Statistics on electricity

Poland

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	159059	164944	166635	170465	170039	163989
Combustible fuels	148500	151478	151234	152295	154428	145269
Hydro	2734	2435	2622	3034	2387	2665
Nuclear	..	..	..	..	..	..
Other	7825	11031	12779	15136	13224	16055
Main activity	150178	155562	156178	158554	155193	146774
Combustible fuels	139771	142272	140971	140614	140010	129006
Hydro	2731	2432	2619	3030	2384	2662
Nuclear	..	..	..	..	..	..
Other	7676	10858	12588	14909	12799	15107
Own use in electricity, CHP and heat plants	13845	14249	14632	15596	14780	12626
Net production	145214	150695	152003	154869	155260	151363
Imports	13508	14459	14017	13271	13816	17868
Exports	11342	14793	12018	10984	8121	7245
Losses	10250	10534	9495	9996	8894	8951
Consumption	137129	139827	144507	147160	152060	153035
Energy industries own use	11783	12008	11668	11372	11591	12623
By industry and construction	47585	49482	51210	54543	56424	56675
By transport	3007	3107	3287	3326	3469	3413
By households and other cons.	74754	75230	78342	77919	80575	80323
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	35989	37327	38105	42850	43046	43440
Combustible fuels	29760	29961	29783	34412	34314	33638
Hydro	2364	2370	2386	2390	2391	2397
Nuclear	..	..	..	..	..	..
Other	3865	4996	5936	6048	6340	7405
Main activity	34141	35189	36027	40077	39377	38760
Combustible fuels	27942	27934	27895	31929	31220	30526
Hydro	2363	2369	2385	2390	2391	2397
Nuclear	..	..	..	..	..	..
Other	3836	4886	5747	5758	5766	5838
Combustible fuel input	Terajoules					
Hard Coal	900363	912442	938903	953273	944114	875581
Brown Coal	514876	508760	485377	503717	483381	395678
Biogas	5718	6298	7231	8216	8582	8623
Fuel oil	11352	15837	16443	14890	12711	12489
Natural gas	47736	57442	68953	83638	102753	117539
Coke-oven gas	19325	22755	24895	22961	23502	22651
Blast furnace gas	13937	16242	14630	15884	16215	13887
Fuelwood	*53156	*50048	*45096	*37123	*40861	*45308
Vegetal waste	*42121	*44115	*26528	*16529	*14163	*21870
Municipal waste	237	727	3959	6497	8918	11039
Others	7194	6620	5793	3904	5168	4612
Total input	1616016	1641286	1637808	1666631	1660368	1529276
Total production	534600	545321	544442	548263	555940	522968
Estimated efficiency (% of production to input)	33	33	33	33	33	34

Statistics on electricity

Portugal

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	52802	52420	60328	59432	59636	53154
Combustible fuels	23440	30005	29903	38344	32155	27687
Hydro	16412	9799	16909	7632	13628	10243
Nuclear	..	..	..	..	..	..
Other	12950	12616	13516	13456	13853	15225
Main activity	44367	44126	52123	50996	51312	44477
Combustible fuels	15323	22076	22104	30392	24341	19689
Hydro	16389	9784	16889	7621	13610	10225
Nuclear	..	..	..	..	..	..
Other	12655	12266	13130	12983	13362	14563
Own use in electricity, CHP and heat plants	1275	1480	1466	1763	1439	969
Net production	51527	50940	58862	57669	58197	52185
Imports	7247	8077	4616	5506	5668	8099
Exports	6344	5811	9701	8190	8325	4700
Losses	5209	4894	4901	5101	5060	4948
Consumption	47220	48309	48880	49884	50480	50637
Energy industries own use	2025	2497	2485	3243	2521	2758
By industry and construction	15395	15481	15645	16143	16397	16696
By transport	302	308	431	485	491	494
By households and other cons.	29498	30023	30319	30013	31071	30690
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	19124	19624	20613	20933	21186	21575
Combustible fuels	8113	8048	7990	7975	8080	8160
Hydro	5715	6168	6960	7226	7236	7262
Nuclear	..	..	..	..	..	..
Other	5296	5408	5663	5733	5869	6153
Main activity	17020	17575	18570	18849	18950	19166
Combustible fuels	6205	6205	6209	6205	6208	6281
Hydro	5709	6162	6954	7220	7230	7256
Nuclear	..	..	..	..	..	..
Other	5106	5208	5407	5424	5511	5629
Combustible fuel input	Terajoules					
Hard Coal	111645	135911	118603	135512	112417	52058
Biogas	3078	3121	2996	3224	3127	3068
Gas-diesel oil	903	989	774	790	740	697
Fuel oil	9494	9656	9938	9362	8647	9279
Refinery gas	941	644	396	469	525	628
Natural gas	72602	97300	110638	155584	133961	146170
Fuelwood	12198	11382	15464	12423	10686	15008
Vegetal waste	5824	6961	2483	5060	7397	6295
Municipal waste	6845	8155	8680	8738	8120	8666
Black liquor	6552	7031	7751	9033	9138	8413
Others	128	153	617	580	472	540
Total input	230209	281301	278340	340775	295231	250825
Total production	84384	108018	107651	138039	115758	99674
Estimated efficiency (% of production to input)	37	38	39	41	39	40

Statistics on electricity

Puerto Rico

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	21067	20911	20644	16371	17453	18886
Combustible fuels	20719	20522	20262	16013	17226	18444
Hydro	81	56	71	51	38	41
Nuclear	..	..	..	..	..	..
Other	267	333	311	308	189	401
Main activity	20817	20661	20394	16161	17233	18656
Combustible fuels	20469	20272	20012	15803	17006	18214
Hydro	81	56	71	51	38	41
Nuclear	..	..	..	..	..	..
Other	267	333	311	308	189	401
Own use in electricity, CHP and heat plants	795	829	764	674	664	670
Net production	20272	20082	19880	15698	16789	18217
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*1264	*1255	*1239	*982	*524	*1133
Consumption	17348	17235	17311	13559	16375	16077
Energy industries own use	..	..	..	..	..	..
By industry and construction	2376	2355	2250	1741	2128	2048
By transport	..	..	..	..	..	..
By households and other cons.	14972	14880	15061	11817	14246	14029
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*6097	*6112	6257	*6264	5830	6173
Combustible fuels	*5800	*5800	5900	*5900	5466	5808
Hydro	99	99	99	99	99	99
Nuclear	..	..	..	..	..	..
Other	198	213	258	266	266	267
Main activity	*6036	*6051	6196	*6203	5770	6113
Combustible fuels	*5739	*5739	5839	*5839	5406	5748
Hydro	99	99	99	99	99	99
Nuclear	..	..	..	..	..	..
Other	198	213	258	266	266	267
Combustible fuel input	Terajoules					
Hard Coal	39195	37689	37240	26195	29113	40540
Biogas	..	*4	*89	*139	*136	*195
Fuel oil	106688	115952	102071	90116	*92920	73249
Natural gas	64837	61149	67732	51276	66555	75889
Total input	210720	214793	207131	167725	188724	189873
Total production	74588	73879	72942	57646	62013	66399
Estimated efficiency (% of production to input)	35	34	35	34	33	35

Statistics on electricity

Qatar

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	38692	41499	42307	45555	47913	49873
Combustible fuels	38692	41499	42307	45555	47913	49873
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	3502	2501	2550	2742	1533	1930
Combustible fuels	3502	2501	2550	2742	1533	1930
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	2568	2647	2642	2831	3259	3440
Net production	36124	38852	39665	42724	44654	46432
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	2341	2475	2532	2695	2786	2772
Consumption	33784	36378	37134	40030	*41868	*43660
Energy industries own use	..	..	..	..	..	..
By industry and construction	11568	11887	12026	11262	12197	12124
By transport	..	..	..	..	..	..
By households and other cons.	22216	24491	25108	28768	*29671	*31536
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*8791	*8561	*8559	*10170	*10590	*10590
Combustible fuels	*8791	*8561	*8559	*10170	*10590	*10590
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*1319	*1284	*1284	*1526	*1553	*1553
Combustible fuels	*1319	*1284	*1284	*1526	*1553	*1553
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Natural gas	381028	399818	407605	438866	452056	472908
Total input	381028	399818	407605	438866	452056	472908
Total production	139291	149396	152305	163998	172487	179542
Estimated efficiency (% of production to input)	37	37	37	37	38	38