

Statistics on electricity
Madagascar

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	1787	1904	1983	2099	2178	2167
Combustible fuels	836	998	1177	1107	1259	1317
Hydro	935	887	783	968	886	818
Nuclear	..	..	..	..	..	..
Other	16	20	23	*23	32	32
Main activity	1558	1671	1723	1820	1892	1869
Combustible fuels	607	765	917	829	974	1018
Hydro	935	887	783	968	886	818
Nuclear	..	..	..	..	..	..
Other	16	20	23	*23	32	32
Own use in electricity, CHP and heat plants	*41	*46	38	*29	*43	*38
Net production	1746	1858	1945	2070	2134	2129
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*110	116	128	*130	*135	*132
Consumption	1636	1742	1817	*1940	1999	*1997
Energy industries own use	..	..	..	..	..	..
By industry and construction	*587	*400	*434	*608	*533	*643
By transport	..	..	..	..	..	..
By households and other cons.	1049	1342	1383	*1332	1466	*1354
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*592	587	721	706	592	*649
Combustible fuels	*419	417	542	521	407	*465
Hydro	164	159	166	165	165	164
Nuclear	..	..	..	..	..	..
Other	9	11	13	20	20	*20
Main activity	*520	496	615	598	486	*547
Combustible fuels	*347	326	436	413	301	*363
Hydro	164	159	166	165	165	164
Nuclear	..	..	..	..	..	..
Other	9	11	13	20	20	*20
Combustible fuel input	Terajoules					
Hard Coal	*722	712	963	851	955	*1084
Gas-diesel oil	4795	5151	4188	*4184	*4175	*4150
Fuel oil	*2464	2262	5276	5361	5822	6686
Bagasse	*263	*336	*368	*335	*377	*402
Total input	8244	8462	10796	10732	11328	12321
Total production	3011	3592	4237	3987	4532	4740
Estimated efficiency (% of production to input)	37	42	39	37	40	38

Statistics on electricity

Malawi

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	2168	2157	1917	1803	1937	*1882
Combustible fuels	*183	*183	*54	*385	*125	*68
Hydro	1961	1949	1824	1365	1647	*1647
Nuclear	..	..	..	..	..	..
Other	25	25	39	53	165	168
Main activity	1986	1974	1863	1418	1812	*1814
Combustible fuels	*5	*5	*1	*5	*5	*5
Hydro	1956	1944	1823	1360	1642	*1642
Nuclear	..	..	..	..	..	..
Other	25	25	39	53	165	168
Own use in electricity, CHP and heat plants	43	30	108	11	50	56
Net production	2125	2127	1809	1792	1887	*1826
Imports	..	..	..	..	..	..
Exports	22	24	20	19	20	19
Losses	*394	*248	*279	*296	*291	*220
Consumption	1559	1855	1509	1477	1576	1587
Energy industries own use	..	..	..	..	..	..
By industry and construction	691	971	573	678	715	654
By transport	..	..	..	..	..	..
By households and other cons.	868	884	936	799	861	933
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	579	579	586	590	590	609
Combustible fuels	*211	*211	*211	*211	*211	*211
Hydro	356	356	356	356	356	374
Nuclear	..	..	..	..	..	..
Other	12	12	19	23	23	24
Main activity	364	364	371	375	375	394
Combustible fuels	*1	*1	*1	*1	*1	*1
Hydro	351	351	351	351	351	369
Nuclear	..	..	..	..	..	..
Other	12	12	19	23	23	24
Combustible fuel input	Terajoules					
Gas-diesel oil	*1829	*1904	*22	*4588	*1075	*245
Bagasse	*934	*903	*903	*903	*903	*903
Total input	*2764	*2808	*925	*5492	*1978	*1149
Total production	*658	*658	*194	*1386	*450	*245
Estimated efficiency (% of production to input)	24	23	21	25	23	21

Statistics on electricity
Malaysia

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	150123	156665	164509	170578	175778	182658
Combustible fuels	135926	136336	137599	143621	148168	154011
Hydro	13924	20019	26580	26325	26666	26217
Nuclear	..	..	..	..	..	..
Other	273	310	330	632	*943	2430
Main activity	145137	150442	159257	163415	168194	176046
Combustible fuels	130940	130113	132352	136517	140670	147491
Hydro	13924	20019	26575	26325	26666	26217
Nuclear	..	..	..	..	..	..
Other	273	310	330	573	*857	2338
Own use in electricity, CHP and heat plants	4043	1317	4588	696	5974	6296
Net production	146080	155348	159921	169882	169804	176362
Imports	13	33	7	20	19	41
Exports	3	694	1124	1509	669	1699
Losses	12535	10102	12288	14109	12124	12592
Consumption	132199	144024	146520	152866	158703	151940
Energy industries own use	..	..	..	..	..	..
By industry and construction	60641	67664	71417	76088	79436	74048
By transport	266	340	459	482	503	451
By households and other cons.	71292	76020	74644	76296	78764	77442
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	30440	33090	33334	34389	*34153	*35863
Combustible fuels	23519	25732	26848	26432	*26260	*27257
Hydro	5716	6137	6128	6168	6245	6275
Nuclear	..	..	..	..	..	..
Other	1205	1220	358	1790	1648	*2331
Main activity	27368	29789	30892	31714	*31699	*33410
Combustible fuels	21309	23226	24410	24479	*24498	*25497
Hydro	5714	6135	6126	6168	6245	6275
Nuclear	..	..	..	..	..	..
Other	345	427	356	1066	956	*1638
Combustible fuel input	Terajoules					
Hard Coal	654254	710051	794090	857092	894234	909909
Biogas	752	884	1715	6146	4425	4175
Gas-diesel oil	13975	8944	15738	14448	15067	23487
Fuel oil	4121	6302	4040	687	724	726
Natural gas	711320	600958	540161	536208	606454	613984
Vegetal waste	9878	9878	*8196	12581	12624	9945
Total input	1394300	1337018	1363940	1427162	1533528	1562225
Total production	489334	490810	495356	517036	533406	554441
Estimated efficiency (% of production to input)	35	37	36	36	35	35

Statistics on electricity

Maldives

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	619	672	725	772	804	807
Combustible fuels	611	660	709	756	780	783
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	8	12	16	16	24	*24
Main activity	394	432	465	492	504	507
Combustible fuels	386	420	449	476	480	483
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	8	12	16	16	24	*24
Own use in electricity, CHP and heat plants	*19	*21	*21	*21	*24	*27
Net production	600	651	704	751	780	780
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*18	*20	*20	*21	*22	*25
Consumption	*582	*631	*684	*730	*758	*755
Energy industries own use	..	..	..	..	..	..
By industry and construction	*33	*35	*37	*39	*40	*40
By transport	..	..	..	..	..	..
By households and other cons.	*549	*596	*647	*691	*718	*715
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	271	274	*278	*382	522	*528
Combustible fuels	266	266	*266	*365	500	*500
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	5	8	12	17	22	28
Main activity	146	149	*153	*257	312	*318
Combustible fuels	141	141	*141	*240	290	*290
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	5	8	12	17	22	28
Combustible fuel input	Terajoules					
Gas-diesel oil	*7310	*7433	*8109	*8790	*9460	*9030
Total input	*7310	*7433	*8109	*8790	*9460	*9030
Total production	2201	2376	2552	2722	2809	2820
Estimated efficiency (% of production to input)	30	32	31	31	30	31

Statistics on electricity

Mali

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	2396	2640	*3096	*3290	*3535	*3728
Combustible fuels	1356	1509	*1935	*1992	*2137	*2191
Hydro	1012	1102	1130	*1267	1365	1444
Nuclear	..	..	..	..	..	..
Other	28	29	31	31	33	93
Main activity	1712	1905	2082	*2220	2411	2595
Combustible fuels	698	801	949	*950	1044	1090
Hydro	1012	1102	1130	*1267	1365	1444
Nuclear	..	..	..	..	..	..
Other	2	2	3	*3	2	61
Own use in electricity, CHP and heat plants	*10	*11	*12	*13	*13	25
Net production	2386	2629	*3084	*3277	*3522	*3703
Imports	317	113	*117	*198	*180	*172
Exports	*486	*529	*535	*550	*556	*569
Losses	*288	*311	*318	*356	*395	*407
Consumption	*1929	*1902	*2348	*2568	*2751	*2899
Energy industries own use	..	..	..	..	..	..
By industry and construction	*823	*715	*920	*1010	*1103	*1160
By transport	..	..	..	..	..	..
By households and other cons.	*1106	*1187	*1428	*1558	*1649	*1739
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*871	*958	*1029	*1029	*1030	*1113
Combustible fuels	*404	*490	*560	*560	*560	*560
Hydro	*450	*450	*450	*450	*450	*453
Nuclear	..	..	..	..	..	..
Other	17	18	19	19	20	100
Main activity	*741	*741	*752	*752	*751	*783
Combustible fuels	*290	*290	*300	*300	*300	*300
Hydro	*450	*450	*450	*450	*450	*453
Nuclear	..	..	..	..	..	..
Other	*1	*1	*2	*2	*1	*30
Combustible fuel input	Terajoules					
Gas-diesel oil	*16873	*15471	*14070	*12668	11262	12646
Fuel oil	*4618	*7005	*8553	*9474	11554	9381
Bagasse	*1457	1457	*1457	*1457	*1457	*1457
Total input	*22948	*23934	*24079	*23599	24273	23484
Total production	4882	5432	*6965	*7171	*7692	*7888
Estimated efficiency (% of production to input)	21	23	29	30	32	34

Statistics on electricity

Malta

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	1305	857	1652	1962	2060	2143
Combustible fuels	1210	729	1489	1772	1864	1906
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	95	128	162	190	195	237
Main activity	1203	721	1480	1763	1858	1900
Combustible fuels	1203	721	1480	1763	1858	1900
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	64	51	49	50	59	62
Net production	1241	806	1603	1912	2001	2081
Imports	1054	1527	897	631	657	420
Exports	..	..	36	11	20	4
Losses	179	216	144	143	158	128
Consumption	2114	2117	2320	2390	2479	2368
Energy industries own use	..	..	3	16	15	14
By industry and construction	415	411	459	470	477	462
By transport	..	..	0	1	2	2
By households and other cons.	1699	1706	1858	1903	1986	1890
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	668	573	706	727	750	783
Combustible fuels	593	480	595	595	595	595
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	75	94	112	132	155	188
Main activity	590	475	590	590	590	590
Combustible fuels	590	475	590	590	590	590
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Biogas	46	42	46	43	31	28
Gas-diesel oil	860	129	252	224	410	997
Fuel oil	10262	7151	1913	0	..	..
Natural gas	..	..	10776	13602	14216	14799
Total input	11168	7322	12987	13869	14657	15824
Total production	4356	2624	5362	6381	6712	6862
Estimated efficiency (% of production to input)	39	36	41	46	46	43

Statistics on electricity

Marshall Islands

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*81	*82	*87	*85	82	*82
Combustible fuels	*80	*80	*85	*83	80	*80
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	2	2	2	2	2
Main activity	*81	*82	*87	*85	82	*82
Combustible fuels	*80	*80	*85	*83	80	*80
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	2	2	2	2	2
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	*81	*82	*87	*85	82	*82
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*23	*23	*22	*22	*22	*21
Consumption	*58	*59	*66	*64	*61	*61
Energy industries own use	..	..	..	..	..	..
By industry and construction	*3	*4	*4	*4	*4	*4
By transport	..	..	..	..	..	..
By households and other cons.	*55	*56	*62	*60	*57	*58
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	37	*37	*35	*35	32	*32
Combustible fuels	36	*35	*33	*33	30	*30
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	2	2	2	2	2
Main activity	37	*37	*35	*35	32	*32
Combustible fuels	36	*35	*33	*33	30	*30
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	2	2	2	2	2
Combustible fuel input	Terajoules					
Gas-diesel oil	*817	*817	*834	*817	*817	*826
Total input	*817	*817	*834	*817	*817	*826
Total production	*288	*288	*306	*299	288	*288
Estimated efficiency (% of production to input)	35	35	37	37	35	35

Statistics on electricity

Mauritania

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	975	1042	1183	1271	1347	*1434
Combustible fuels	841	875	1022	1023	1099	*1163
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	134	168	161	248	*248	271
Main activity	662	683	841	925	997	*1062
Combustible fuels	528	515	680	677	749	*791
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	134	168	161	248	*248	271
Own use in electricity, CHP and heat plants	35	63	95	95	73	*128
Net production	940	979	1088	1176	1275	*1306
Imports	183	221	*185	198	204	*196
Exports	..	57	..	..	..	..
Losses	*190	*192	*210	*230	*217	*224
Consumption	932	941	982	1023	1099	1190
Energy industries own use	..	..	..	..	..	..
By industry and construction	360	357	343	342	372	380
By transport	..	..	..	..	..	..
By households and other cons.	572	584	639	681	728	810
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	444	*461	*506	*570	*608	*626
Combustible fuels	392	*392	*421	*449	*486	*504
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	52	69	85	121	122	122
Main activity	364	*381	*426	*485	*518	*531
Combustible fuels	312	*312	*341	*364	*396	*409
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	52	69	85	121	122	122
Combustible fuel input	Terajoules					
Gas-diesel oil	*5616	*5031	*7310	*7740	*7955	*8471
Fuel oil	2630	*2674	*2771	*2020	*2424	*2788
Total input	*8246	*7705	*10081	*9760	*10379	*11259
Total production	3028	3148	3678	3683	3956	*4187
Estimated efficiency (% of production to input)	37	41	36	38	38	37

Statistics on electricity

Mauritius

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	2996	3042	3120	3131	3237	2882
Combustible fuels	2845	2895	2976	2943	2994	2603
Hydro	122	100	90	125	99	116
Nuclear	..	..	..	..	..	..
Other	29	48	54	64	144	164
Main activity	1258	1234	1293	1373	1482	1200
Combustible fuels	1133	1131	1201	1246	1381	1082
Hydro	122	100	90	125	99	116
Nuclear	..	..	..	..	..	..
Other	3	4	3	3	3	3
Own use in electricity, CHP and heat plants	44	45	44	44	45	46
Net production	2952	2998	3076	3088	3192	2836
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	178	172	187	165	182	143
Consumption	2770	3079	3146	3185	3248	2918
Energy industries own use	264	260	266	268	247	235
By industry and construction	696	970	994	1002	991	863
By transport	..	..	..	..	..	..
By households and other cons.	1809	1848	1886	1916	2010	1820
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	792	811	835	873	844	862
Combustible fuels	711	709	732	732	681	681
Hydro	61	61	60	60	60	61
Nuclear	..	..	..	..	..	..
Other	20	41	43	81	103	120
Main activity	489	493	516	516	516	516
Combustible fuels	427	427	450	450	450	450
Hydro	61	61	60	60	60	61
Nuclear	..	..	..	..	..	..
Other	1	5	5	5	5	5
Combustible fuel input	Terajoules					
Hard Coal	17647	18091	18871	17916	16464	16139
Biogas	73	67	61	81	71	89
Gas-diesel oil	43	45	55	34	28	35
Fuel oil	9292	8696	9672	9991	11034	8574
Other kerosene	44	34	41	28	162	11
Bagasse	9575	8722	8324	7791	7736	6514
Total input	36675	35654	37025	35842	35495	31362
Total production	10242	10420	10714	10593	10779	9370
Estimated efficiency (% of production to input)	28	29	29	30	30	30

Statistics on electricity

Mexico

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	310712	320565	322062	357593	344176	314549
Combustible fuels	253005	262310	261725	279725	266753	245464
Hydro	30815	30698	31981	32526	23716	26817
Nuclear	11577	10567	10883	13675	11190	8131
Other	15315	16990	17472	31667	42517	34137
Main activity	262721	266201	259077	292942	284294	247812
Combustible fuels	212385	217231	209160	226758	220287	191853
Hydro	30051	29805	31040	31621	22927	26009
Nuclear	11577	10567	10883	13675	11190	8131
Other	8708	8598	7995	20888	29890	21819
Own use in electricity, CHP and heat plants	12935	17689	13129	16715	5371	4669
Net production	297777	302876	308933	340878	338805	309880
Imports	1650	2232	2151	3673	3907	9965
Exports	2320	1968	1804	2426	3084	5955
Losses	40640	40002	43915	42075	40018	36985
Consumption	261850	274210	275859	277778	284167	262633
Energy industries own use	4400	3843	3938	4185	4092	3781
By industry and construction	139990	145945	147465	146474	153433	141807
By transport	1134	1140	1077	1072	1106	1022
By households and other cons.	116326	123282	123379	126047	125537	116023
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	67504	72574	74431	89351	93111	95045
Combustible fuels	49421	53047	54388	62010	63521	63521
Hydro	12223	12580	12628	12643	13301	13301
Nuclear	1510	1608	1608	1634	1721	1721
Other	4350	5339	5807	13064	14568	16502
Main activity	54856	55904	57536	76423	81298	83145
Combustible fuels	39735	40280	41616	53963	56823	56823
Hydro	12028	12348	12395	12418	13076	13076
Nuclear	1510	1608	1608	1634	1721	1721
Other	1583	1668	1917	8408	9678	11525
Combustible fuel input	Terajoules					
Hard Coal	146312	169061	205979	183718	201282	137603
Brown Coal	206785	198168	133446	120895	99833	51313
Biogas	1961	1912	2265	2082	2195	2888
Gas-diesel oil	21586	27606	31820	40936	34701	34701
Fuel oil	254762	282194	306838	256823	365984	365984
Petroleum coke	39163	29803	38350	37863	39520	37830
Natural gas	1609427	1684576	1782417	1698244	1500693	1438994
Blast furnace gas	5592	4677	3470	2452	2060	2450
Fuelwood	*324	*329	*416	*10499	*6547	*6500
Bagasse	*68416	*70268	*76659	*76630	*73843	*69390
Others	5860	4612	3351	1407	1735	1597
Total input	2360188	2473205	2585012	2431548	2328392	2149250
Total production	910818	944316	942211	1007009	960311	883670
Estimated efficiency (% of production to input)	39	38	36	41	41	41

Statistics on electricity

Micronesia (Fed. States of)

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	68	*69	*69	*70	*70	*70
Combustible fuels	66	*66	*65	*65	*65	*65
Hydro	1	1	1	1	1	*1
Nuclear	..	..	..	..	..	..
Other	1	2	2	4	4	*4
Main activity	68	*69	*69	*70	*70	*70
Combustible fuels	66	*66	*65	*65	*65	*65
Hydro	1	1	1	1	1	*1
Nuclear	..	..	..	..	..	..
Other	1	2	2	4	4	*4
Own use in electricity, CHP and heat plants	1	2	*2	*2	*3	*3
Net production	67	*67	*67	*68	*68	*67
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*19	*19	*20	*21	*21	*20
Consumption	48	*48	*47	*47	*47	*47
Energy industries own use	..	..	..	..	..	..
By industry and construction	*16	*17	*17	*16	*16	*16
By transport	..	..	..	..	..	..
By households and other cons.	31	*31	*31	*31	*31	*31
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*33	*34	*34	*35	*35	*35
Combustible fuels	*32	*32	*32	*32	*32	*32
Hydro	1	1	1	1	1	1
Nuclear	..	..	..	..	..	..
Other	1	1	1	3	3	*3
Main activity	*33	*34	*34	*35	*35	*35
Combustible fuels	*32	*32	*32	*32	*32	*32
Hydro	1	1	1	1	1	1
Nuclear	..	..	..	..	..	..
Other	1	1	1	3	3	*3
Combustible fuel input	Terajoules					
Gas-diesel oil	834	*834	*830	*830	*826	*830
Total input	834	*834	*830	*830	*826	*830
Total production	236	*236	*235	*233	*233	*232
Estimated efficiency (% of production to input)	28	28	28	28	28	28

Statistics on electricity
Mongolia

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	5513	5667	6027	6535	6900	6970
Combustible fuels	5290	5413	5759	6055	6416	6486
Hydro	61	87	86	81	*85	85
Nuclear	..	..	..	..	..	..
Other	162	167	182	399	*399	399
Main activity	5452	5580	5941	6454	6815	6885
Combustible fuels	5290	5413	5759	6055	6416	6486
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	162	167	182	399	*399	399
Own use in electricity, CHP and heat plants	778	749	816	849	861	834
Net production	4735	4918	5211	5686	6040	6136
Imports	1417	1446	1574	1666	1723	1685
Exports	51	36	26	27	24	42
Losses	783	817	811	875	892	963
Consumption	5284	5446	5949	6450	6847	6817
Energy industries own use	..	..	..	..	..	..
By industry and construction	3261	3356	3692	4003	4249	4231
By transport	217	223	248	268	285	284
By households and other cons.	1806	1867	2009	2178	2313	2302
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*1175	*1199	1311	*1461	*1486	*1507
Combustible fuels	*1092	*1103	1132	*1210	*1210	*1230
Hydro	26	29	29	31	31	31
Nuclear	..	..	..	..	..	..
Other	57	67	150	220	245	246
Main activity	*1139	*1160	1272	*1420	*1445	*1466
Combustible fuels	*1082	*1093	1122	*1200	*1200	*1220
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	57	67	150	220	245	246
Combustible fuel input	Terajoules					
Hard Coal	40417	42227	51712	63440	45811	33124
Brown Coal	75744	75391	78587	79093	87952	90042
Gas-diesel oil	3182	2662	3913	4124	*4356	*4644
Fuel oil	129	105	89	121	121	*113
Total input	119472	120385	134301	146777	138240	127923
Total production	19045	19487	20733	21799	23099	23349
Estimated efficiency (% of production to input)	16	16	15	15	17	18

Statistics on electricity

Montenegro

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	3003	3141	2483	3679	3423	3386
Combustible fuels	1512	1298	1348	1444	1506	1615
Hydro	1491	1843	1040	2092	1621	1448
Nuclear	..	..	..	..	..	..
Other	..	..	95	143	296	322
Main activity	3003	3141	2483	3679	3423	3386
Combustible fuels	1512	1298	1348	1444	1506	1615
Hydro	1491	1843	1040	2092	1621	1448
Nuclear	..	..	..	..	..	..
Other	..	..	95	143	296	322
Own use in electricity, CHP and heat plants	131	118	119	134	129	141
Net production	2872	3023	2364	3546	3294	3245
Imports	1040	1210	1537	780	1196	5943
Exports	517	906	417	976	943	5864
Losses	586	541	512	503	493	487
Consumption	2679	2671	2855	2847	3054	2837
Energy industries own use	..	..	..	..	..	..
By industry and construction	767	660	732	737	699	700
By transport	20	21	20	19	21	12
By households and other cons.	1892	1990	2103	2090	2335	2124
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	870	870	949	999	1001	1047
Combustible fuels	219	219	225	225	225	225
Hydro	651	651	652	652	652	697
Nuclear	..	..	..	..	..	..
Other	..	..	72	121	123	125
Main activity	870	870	949	999	1001	1047
Combustible fuels	219	219	225	225	225	225
Hydro	651	651	652	652	652	697
Nuclear	..	..	..	..	..	..
Other	..	..	72	121	123	125
Combustible fuel input	Terajoules					
Brown Coal	15362	12028	12341	14816	15109	15766
Total input	15362	12028	12341	14816	15109	15766
Total production	5443	4673	4853	5198	5423	5815
Estimated efficiency (% of production to input)	35	39	39	35	36	37

Statistics on electricity
Montserrat

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	13	14	13	14	14	14
Combustible fuels	13	14	13	14	14	14
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	0	0
Main activity	13	14	13	14	14	14
Combustible fuels	13	14	13	14	14	14
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	0	0
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	13	13	13	14	14	14
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	0	1	0	1	0	0
Consumption	11	11	11	11	12	12
Energy industries own use	..	..	..	..	..	..
By industry and construction	0	0	0	0	0	0
By transport	..	..	..	..	..	..
By households and other cons.	11	11	11	11	12	12
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	5	5	5	5	6	6
Combustible fuels	5	5	5	5	5	5
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	0	0
Main activity	5	5	5	5	6	6
Combustible fuels	5	5	5	5	5	5
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	0	0
Combustible fuel input	Terajoules					
Gas-diesel oil	*184	*194	*172	*186	*168	*172
Total input	*184	*194	*172	*186	*168	*172
Total production	46	49	48	51	50	49
Estimated efficiency (% of production to input)	25	25	28	27	30	28

Statistics on electricity

Morocco

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	31217	32141	33192	35822	41650	40057
Combustible fuels	25108	25776	26875	27708	32390	31353
Hydro	2282	1662	1565	1998	1654	1290
Nuclear	..	..	..	..	..	..
Other	3827	4703	4752	6116	7607	7414
Main activity	29855	30747	31804	34432	40083	38396
Combustible fuels	25048	25776	26875	27708	32214	31070
Hydro	2282	1662	1565	1998	1654	1290
Nuclear	..	..	..	..	..	..
Other	2525	3309	3364	4726	6216	6036
Own use in electricity, CHP and heat plants	52	50	60	42	41	38
Net production	31165	32091	33132	35779	41610	40019
Imports	5138	5289	6058	3724	526	856
Exports	165	135	161	350	1453	624
Losses	5515	5654	6066	6134	6703	6771
Consumption	30624	31592	32962	33020	33979	33480
Energy industries own use	685	529	510	406	527	577
By industry and construction	10864	11190	11825	12065	12431	11680
By transport	345	352	368	375	386	214
By households and other cons.	18730	19521	20259	20175	20634	21010
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	11860	11996	12555	12785	14412	14432
Combustible fuels	8727	8732	9128	9151	10276	10046
Hydro	1770	1770	1770	1770	1770	1770
Nuclear	..	..	..	..	..	..
Other	1363	1494	1657	1864	2366	2616
Main activity	8160	8268	8827	9057	10684	10704
Combustible fuels	5427	5432	5828	5851	6976	6746
Hydro	1770	1770	1770	1770	1770	1770
Nuclear	..	..	..	..	..	..
Other	963	1066	1229	1436	1938	2188
Combustible fuel input	Terajoules					
Hard Coal	*188077	178592	185656	214785	278225	279407
Gas-diesel oil	430	516	416	255	186	159
Fuel oil	*23917	31148	34721	12420	8315	6733
Natural gas	43985	45068	44651	39792	37016	27994
Total input	*256409	255324	265445	267252	323742	314292
Total production	90389	92794	96749	99749	116602	112870
Estimated efficiency (% of production to input)	35	36	36	37	36	36

Statistics on electricity
Mozambique

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	19641	18697	17452	16988	18824	18886
Combustible fuels	2547	3103	3393	3088	3864	3113
Hydro	17093	15592	14058	13899	14930	15703
Nuclear	..	..	..	..	..	..
Other	1	2	2	1	31	70
Main activity	19471	18620	17394	16927	18759	18816
Combustible fuels	2493	3045	3335	3027	3799	3043
Hydro	16978	15575	14058	13899	14930	15703
Nuclear	..	..	..	..	..	..
Other	..	..	2	1	31	70
Own use in electricity, CHP and heat plants	238	58	58	83	90	124
Net production	19403	18639	17394	16906	18734	18762
Imports	10547	9928	8289	8327	8276	8276
Exports	12876	14269	10010	9738	10771	12290
Losses	5080	2480	2603	2663	2768	2768
Consumption	12180	11383	12346	12437	12952	12433
Energy industries own use	..	..	103	93	116	94
By industry and construction	9800	9100	10307	10416	10557	10376
By transport	..	..	..	..	..	..
By households and other cons.	2380	2283	1936	1928	2279	1964
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	2507	2492	2618	2683	2753	2753
Combustible fuels	399	399	*399	*424	*454	*454
Hydro	2097	2078	2204	2204	2204	2204
Nuclear	..	..	..	..	..	..
Other	11	14	15	55	95	95
Main activity	2470	2473	2604	2669	2739	2739
Combustible fuels	385	385	*385	*410	*440	*440
Hydro	2075	2075	2204	2204	2204	2204
Nuclear	..	..	..	..	..	..
Other	10	13	15	55	95	95
Combustible fuel input	Terajoules					
Gas-diesel oil	215	215	52	47	44	52
Fuel oil	..	3717	5671	2267	1250	1170
Natural gas	23573	24356	25469	25710	29940	27556
Bagasse	..	..	3201	3130	2944	2412
Total input	23788	28288	34392	31154	34178	31190
Total production	9168	11172	12214	11115	13910	11206
Estimated efficiency (% of production to input)	39	39	36	36	41	36

Statistics on electricity

Myanmar

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	17212	20248	20055	22883	23778	23643
Combustible fuels	6573	8123	8864	11641	14328	15194
Hydro	10639	12125	11191	11228	9369	8370
Nuclear	..	..	..	..	..	..
Other	..	..	..	14	81	79
Main activity	15193	17218	13557	10487	9363	7222
Combustible fuels	5129	5734	3116	2862	3399	1951
Hydro	10064	11484	10441	7625	5964	5271
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	1242	2381	136	184	205	174
Net production	15970	17867	19919	22699	23573	23469
Imports	..	..	116	152	122	129
Exports	..	..	1393	1527	1281	1637
Losses	2414	2385	2803	3405	3734	4273
Consumption	13397	15355	15839	17919	18681	19196
Energy industries own use	..	..	..	..	..	..
By industry and construction	2145	2120	2773	4581	5553	4718
By transport	..	..	..	..	..	..
By households and other cons.	11252	13235	13066	13338	13128	14477
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	5259	5390	5642	5838	7129	6830
Combustible fuels	2076	2135	2387	2536	3827	3527
Hydro	3183	3255	3255	3262	3262	3262
Nuclear	..	..	..	..	..	..
Other	..	..	..	40	40	41
Main activity	4631	4590	4288	3144	3410	3234
Combustible fuels	1620	1507	1205	993	1259	1083
Hydro	3011	3083	3083	2151	2151	2151
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Hard Coal	465	*1047	*6373	21934	32145	*21097
Gas-diesel oil	4322	6807	4597	860	1247	1591
Natural gas	89943	123472	126111	126322	171094	*226908
Total input	94730	131326	137081	149116	204486	*249596
Total production	23663	29243	31912	41908	51581	54697
Estimated efficiency (% of production to input)	25	22	23	28	25	22

Statistics on electricity

Namibia

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	1576	1479	1773	1416	1372	1957
Combustible fuels	34	62	66	21	52	65
Hydro	1502	1359	1593	1144	954	1505
Nuclear	..	..	..	..	..	..
Other	40	58	113	251	366	387
Main activity	1576	1479	1773	1416	1372	1957
Combustible fuels	34	62	66	21	52	65
Hydro	1502	1359	1593	1144	954	1505
Nuclear	..	..	..	..	..	..
Other	40	58	113	251	366	387
Own use in electricity, CHP and heat plants	1	1	0	0	0	0
Net production	1575	1478	1773	1416	1372	1957
Imports	2678	3085	2911	3337	3161	2785
Exports	88	99	100	114	119	593
Losses	340	504	451	342	274	308
Consumption	3782	3909	4057	4171	4040	3759
Energy industries own use	..	..	..	..	..	..
By industry and construction	613	585	603	586	537	397
By transport	..	..	..	..	..	..
By households and other cons.	3169	3324	3454	3585	3503	3362
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	513	529	565	582	600	610
Combustible fuels	155	143	143	143	113	113
Hydro	337	350	347	347	347	347
Nuclear	..	..	..	..	..	..
Other	21	36	75	93	140	150
Main activity	513	529	565	582	600	610
Combustible fuels	155	143	143	143	113	113
Hydro	337	350	347	347	347	347
Nuclear	..	..	..	..	..	..
Other	21	36	75	93	140	150
Combustible fuel input	Terajoules					
Hard Coal	91	772	953	295	634	806
Gas-diesel oil	387	129	0	..	104	123
Total input	478	901	953	295	737	929
Total production	122	223	239	76	186	234
Estimated efficiency (% of production to input)	26	25	25	26	25	25

Statistics on electricity

Nauru

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	31	32	35	36	36	38
Combustible fuels	31	31	34	35	35	36
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	1	1	1	2
Main activity	31	32	35	36	36	38
Combustible fuels	31	31	34	35	35	36
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	1	1	1	2
Own use in electricity, CHP and heat plants	0	0	0	0	2	2
Net production	31	31	34	36	34	36
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	12	10	9	8	4	7
Consumption	19	21	26	28	32	32
Energy industries own use	..	..	..	..	..	..
By industry and construction	1	1	1	1	2	1
By transport	..	..	..	..	..	..
By households and other cons.	18	20	25	27	30	31
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*6	*7	*8	*14	*14	18
Combustible fuels	*6	*6	*7	*13	*13	16
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	1	1	1	1	2
Main activity	*6	*7	*8	*14	*14	18
Combustible fuels	*6	*6	*7	*13	*13	16
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	1	1	1	1	2
Combustible fuel input	Terajoules					
Gas-diesel oil	334	343	360	344	343	*344
Total input	334	343	360	344	343	*344
Total production	112	113	121	126	126	129
Estimated efficiency (% of production to input)	34	33	34	37	37	37

Statistics on electricity
Nepal

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	3460	4244	4639	4902	6181	6223
Combustible fuels	..	..	0	0	0	0
Hydro	3453	4237	4632	4895	6173	6215
Nuclear	..	..	..	..	..	..
Other	7	7	7	6	7	8
Main activity	3306	4089	4483	4745	6019	6059
Combustible fuels	..	..	0	0	0	0
Hydro	3299	4082	4476	4738	6012	6052
Nuclear	..	..	..	..	..	..
Other	7	7	7	6	7	8
Own use in electricity, CHP and heat plants	49	48	55	56	30	34
Net production	3411	4196	4584	4846	6151	6189
Imports	1778	2175	2582	2813	1729	2826
Exports	3	3	3	35	107	44
Losses	1309	1433	1443	1114	1183	1526
Consumption	3867	4926	5710	6500	6579	7434
Energy industries own use	..	..	..	..	..	..
By industry and construction	1206	1719	2010	2438	2286	2816
By transport	6	6	5	5	3	2
By households and other cons.	2655	3201	3695	4057	4290	4616
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	798	979	*1142	1190	1198	1400
Combustible fuels	53	53	53	53	53	53
Hydro	738	919	*1081	1129	1129	1278
Nuclear	..	..	..	..	..	..
Other	*7	*7	*7	*7	*15	69
Main activity	701	879	*1041	1065	1074	1199
Combustible fuels	53	53	53	53	53	53
Hydro	641	819	*981	1005	1005	1110
Nuclear	..	..	..	..	..	..
Other	*7	*7	*7	*7	*15	36
Combustible fuel input	Terajoules					
Fuel oil	0	0	1	1	1	0
Total input	0	0	1	1	1	0
Total production	..	..	0	0	0	0
Estimated efficiency (% of production to input)	..	..	40	40	38	37

Statistics on electricity
Netherlands

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	110211	115157	117195	114258	121352	123554
Combustible fuels	95955	99997	99411	95815	99915	94804
Hydro	93	100	61	72	74	46
Nuclear	4078	3960	3402	3515	3910	4087
Other	10085	11100	14321	14856	17453	24617
Main activity	87279	92099	91977	87411	92352	88997
Combustible fuels	75543	79596	77467	73576	77022	69066
Hydro	93	100	61	72	74	46
Nuclear	4078	3960	3402	3515	3910	4087
Other	7565	8443	11046	10248	11346	15797
Own use in electricity, CHP and heat plants	4480	4179	3792	3415	3495	3396
Net production	105731	110978	113403	110842	117856	120158
Imports	30760	24258	22458	26755	20403	19773
Exports	22012	19343	18952	18785	19548	22433
Losses	5264	5434	5414	5334	5059	4744
Consumption	109655	111011	112060	114771	114892	113994
Energy industries own use	5810	5933	5718	5826	5724	4930
By industry and construction	34061	35396	35555	36025	35413	35445
By transport	1823	1836	1845	2002	2158	2166
By households and other cons.	67961	67846	68942	70918	71598	71453
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	33878	34262	33923	35110	37135	42233
Combustible fuels	28356	27266	26106	25505	24821	24066
Hydro	37	37	37	37	37	37
Nuclear	485	485	485	485	485	485
Other	5000	6474	7295	9083	11792	17645
Main activity	26805	26719	25657	24965	24782	26825
Combustible fuels	23355	22346	21186	20061	19416	18211
Hydro	37	37	37	37	37	37
Nuclear	485	485	485	485	485	485
Other	2928	3851	3949	4383	4844	8092
Combustible fuel input	Terajoules					
Hard Coal	336307	306318	267976	231463	155720	69325
Biogas	6656	6247	5804	5415	5386	5002
Gas-diesel oil	817	559	488	482	774	364
Refinery gas	13613	13613	11631	15019	17385	14449
Natural gas	371042	415454	446583	434494	512624	516074
Coke-oven gas	1976	1554	2103	2033	2096	1709
Blast furnace gas	24657	22972	23886	22844	21758	21153
Fuelwood	*19448	*16302	*15390	11560	24667	*50360
Vegetal waste	*1245	*5245	*6229	*9622	*9440	*10091
Municipal waste	70793	75189	73443	70913	69139	68539
Total input	846554	863453	853534	803846	818989	757068
Total production	345438	359989	357880	344935	359694	341293
Estimated efficiency (% of production to input)	41	42	42	43	44	45

Statistics on electricity
New Caledonia

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	2903	3130	3228	3486	3334	3233
Combustible fuels	2494	2842	2794	3077	2876	2729
Hydro	340	232	361	317	285	305
Nuclear	..	..	..	..	..	..
Other	68	57	73	92	173	199
Main activity	2903	3130	3228	3486	3334	3233
Combustible fuels	2494	2842	2794	3077	2876	2729
Hydro	340	232	361	317	285	305
Nuclear	..	..	..	..	..	..
Other	68	57	73	92	173	199
Own use in electricity, CHP and heat plants	0	0	1	0	0	0
Net production	2903	3130	3228	3486	3334	3233
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	61	90	68	65	61	67
Consumption	2842	3040	3161	3420	3273	3166
Energy industries own use	..	..	..	..	..	..
By industry and construction	2193	2354	2488	2744	2604	2506
By transport	..	..	..	..	..	..
By households and other cons.	650	686	672	676	670	660
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	998	1001	*1020	*1044	*1072	*1093
Combustible fuels	875	875	*875	*875	*875	*875
Hydro	78	78	78	78	78	81
Nuclear	..	..	..	..	..	..
Other	44	48	67	91	119	*137
Main activity	937	940	*957	*976	*997	*1013
Combustible fuels	815	815	*815	*815	*815	*815
Hydro	78	78	78	78	78	81
Nuclear	..	..	..	..	..	..
Other	44	46	64	83	104	*117
Combustible fuel input	Terajoules					
Hard Coal	12389	17157	19141	19299	21379	19303
Gas-diesel oil	3500	2700	2223	3684	1800	1633
Fuel oil	15792	16677	14512	15659	14361	13021
Other kerosene	237	311	210	403	42	9
Bitumen	133	133	113	121	129	117
Other liquid biofuels	*5	*7	*5	*5	*5	*5
Total input	32056	36986	36204	39171	37716	34088
Total production	8979	10230	10059	11077	10354	9824
Estimated efficiency (% of production to input)	28	28	28	28	27	29

Statistics on electricity

New Zealand

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	44691	44164	44641	44695	45147	44543
Combustible fuels	9496	7576	9004	8029	8858	9467
Hydro	24528	25933	25173	26252	25596	24266
Nuclear	..	..	..	..	..	..
Other	10667	10655	10463	10414	10693	10811
Main activity	43135	42651	43083	43183	43511	42981
Combustible fuels	8104	6250	7648	6731	7462	8170
Hydro	24524	25929	25169	26248	25592	24262
Nuclear	..	..	..	..	..	..
Other	10507	10472	10266	10204	10457	10549
Own use in electricity, CHP and heat plants	1551	1461	1532	1441	1557	1361
Net production	43140	42703	43109	43254	43590	43182
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	2897	2955	2944	2942	3001	2956
Consumption	40747	40232	39933	39968	40319	39441
Energy industries own use	700	731	751	695	724	663
By industry and construction	13910	13816	13865	13927	14105	13373
By transport	84	91	91	94	110	100
By households and other cons.	26053	25594	25226	25252	25381	25305
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	9797	9635	9656	9704	9737	9902
Combustible fuels	2409	2236	2239	2242	2242	2346
Hydro	5426	5426	5426	5426	5434	5434
Nuclear	..	..	..	..	..	..
Other	1962	1973	1991	2036	2061	2122
Main activity	9481	9304	9303	9330	9338	9482
Combustible fuels	2158	1985	1984	1987	1987	2097
Hydro	5423	5423	5423	5423	5431	5431
Nuclear	..	..	..	..	..	..
Other	1900	1896	1896	1920	1920	1954
Combustible fuel input	Terajoules					
Brown Coal	11331	4620	5591	9124	16623	18179
Biogas	2827	3057	3053	3021	3076	3151
Gas-diesel oil	0	43	59	118	39	1345
Natural gas	56477	49137	59596	49204	49591	53811
Coke-oven gas	2119	1854	1966	1941	2626	2454
Blast furnace gas	5617	5377	5665	5314	5492	4888
Fuelwood	0	0	0	0	0	0
Vegetal waste	5104	4870	4368	4536	3927	3944
Black liquor	13714	13663	13529	13395	13394	13310
Total input	97189	82621	93827	86653	94768	101082
Total production	34186	27274	32415	28903	31890	34081
Estimated efficiency (% of production to input)	35	33	35	33	34	34

Statistics on electricity
Nicaragua

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	4580	4591	4525	4636	4576	3791
Combustible fuels	2740	2728	2657	2599	2815	1873
Hydro	295	426	468	411	227	574
Nuclear	..	..	..	..	..	..
Other	1545	1437	1400	1626	1534	1343
Main activity	4071	4002	3814	3901	3686	3013
Combustible fuels	2232	2140	1946	1864	1927	1098
Hydro	294	425	468	411	227	574
Nuclear	..	..	..	..	..	..
Other	1545	1437	1400	1626	1533	1340
Own use in electricity, CHP and heat plants	364	193	407	403	479	418
Net production	4216	4398	4118	4233	4096	3373
Imports	34	205	327	201	434	1071
Exports	22	18	1	0	0	0
Losses	837	964	996	978	1089	1046
Consumption	3396	3665	3451	3594	3769	3653
Energy industries own use	..	..	..	..	..	..
By industry and construction	1128	1174	1147	1069	1092	1042
By transport	..	..	..	..	..	..
By households and other cons.	2268	2491	2304	2525	2677	2611
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	1346	1396	1482	1482	1620	1620
Combustible fuels	866	912	985	985	1107	1107
Hydro	138	142	142	142	157	157
Nuclear	..	..	..	..	..	..
Other	342	342	355	355	356	356
Main activity	1211	1219	1305	1305	1401	1401
Combustible fuels	733	735	809	809	888	888
Hydro	137	142	142	142	157	157
Nuclear	..	..	..	..	..	..
Other	342	342	355	355	356	356
Combustible fuel input	Terajoules					
Biogas	..	..	..	..	75	71
Gas-diesel oil	645	602	602	516	509	328
Fuel oil	20119	19473	17210	16483	17392	10454
Bagasse	*13301	*14126	*16153	*15717	*16287	*14177
Vegetal waste	0	0	0	*348	*272	*306
Total input	34065	34201	33965	33064	34535	*25336
Total production	9864	9821	9565	9356	10133	6745
Estimated efficiency (% of production to input)	29	29	28	28	29	27

Statistics on electricity

Niger

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	522	442	566	480	626	656
Combustible fuels	511	428	552	447	593	610
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	11	13	15	33	33	*46
Main activity	496	415	541	437	535	548
Combustible fuels	496	415	541	437	535	548
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	44	68	72	38	*112	*74
Net production	478	374	494	442	514	582
Imports	782	779	845	1253	1057	1105
Exports	0	0	0	0	..	..
Losses	215	*208	*218	*238	313	*330
Consumption	916	*968	*1014	*1379	1239	1350
Energy industries own use	..	..	..	..	..	..
By industry and construction	218	*272	*285	*387	219	257
By transport	..	..	..	..	..	..
By households and other cons.	699	*696	*729	*992	1020	1093
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	277	288	290	311	*324	*324
Combustible fuels	270	280	281	291	*297	*297
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	7	8	9	20	27	27
Main activity	216	226	228	238	*244	*244
Combustible fuels	216	226	228	238	*244	*244
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Hard Coal	3535	3721	3552	3414	3214	3784
Gas-diesel oil	2253	2279	*2365	*2064	2322	2494
Liquefied petroleum gas	596	*449	*520	*572	907	946
Other oil products	..	..	764	764	683	563
Natural gas	..	..	..	..	1444	1444
Total input	6384	6449	7202	6814	8570	9231
Total production	1838	1542	1986	1610	2136	2197
Estimated efficiency (% of production to input)	29	24	28	24	25	24

Statistics on electricity
Nigeria

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	33145	36508	32218	33380	33107	32432
Combustible fuels	26697	28331	24443	25657	24633	24701
Hydro	6420	8147	7744	7692	8430	7686
Nuclear	..	..	..	..	..	..
Other	28	30	31	31	44	45
Main activity	27152	30121	26688	27586	27508	26833
Combustible fuels	20863	22140	19102	20051	19250	19303
Hydro	6289	7981	7586	7535	8258	7530
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	1631	1048	925	958	951	931
Net production	31514	35460	31293	32422	32157	31501
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	4971	5476	4832	5007	4966	4864
Consumption	25026	25636	26228	26881	27516	28006
Energy industries own use	179	207	236	229	242	239
By industry and construction	3918	3825	3817	3897	3927	3819
By transport	..	..	..	..	..	..
By households and other cons.	20929	21604	22175	22756	23347	23948
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*10589	*12535	*12275	*12275	11681	12004
Combustible fuels	*8458	*10403	*10142	*10142	9539	9862
Hydro	*2111	*2111	*2111	*2111	*2111	*2111
Nuclear	..	..	..	..	..	..
Other	20	21	22	22	31	31
Main activity	*7529	*9212	*9033	*9033	8430	8753
Combustible fuels	*5458	*7141	*6962	*6962	6359	6682
Hydro	*2071	*2071	*2071	*2071	*2071	*2071
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Natural gas	266970	283310	244700	268629	254826	268097
Total input	266970	283310	244700	268629	254826	268097
Total production	96109	101992	87996	92366	88679	88922
Estimated efficiency (% of production to input)	36	36	36	34	35	33

Statistics on electricity

Niue

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	3	*3	*3	*4	*4	*4
Combustible fuels	3	*3	*3	*3	*3	*3
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Main activity	3	*3	*3	*4	*4	*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	*4	*4	*4
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	0	0	0	0	*1	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	*3	*3	*3
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*2	*2	*2	*2	*3	*3
Combustible fuels	*2	*2	*2	*2	*2	*2
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	1	*1
Main activity	*2	*2	*2	*2	*3	*3
Combustible fuels	*2	*2	*2	*2	*2	*2
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	1	*1
Combustible fuel input	Terajoules					
Gas-diesel oil	34	*34	*33	*34	*34	*34
Total input	34	*34	*33	*34	*34	*34
Total production	12	*12	*12	*12	*12	*12
Estimated efficiency (% of production to input)	35	35	36	36	36	36

Statistics on electricity
North Macedonia

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	5646	5630	5600	5607	5870	5346
Combustible fuels	3638	3599	4356	3696	4581	3929
Hydro	1865	1897	1110	1791	1164	1277
Nuclear	..	..	..	..	..	..
Other	143	133	134	120	125	140
Main activity	5646	5630	5600	5607	5870	5346
Combustible fuels	3638	3599	4356	3696	4581	3929
Hydro	1865	1897	1110	1791	1164	1277
Nuclear	..	..	..	..	..	..
Other	143	133	134	120	125	140
Own use in electricity, CHP and heat plants	380	358	387	338	381	327
Net production	5266	5272	5213	5269	5488	5019
Imports	2656	2191	2294	2297	2411	2965
Exports	143	160	311	377	583	639
Losses	1035	1007	1004	995	979	1027
Consumption	6743	6296	6192	6194	6337	6319
Energy industries own use	108	103	90	89	96	94
By industry and construction	1976	1653	1472	1560	1635	1640
By transport	17	14	14	12	14	13
By households and other cons.	4642	4526	4616	4534	4592	4572
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	1790	1823	1836	1839	1844	1850
Combustible fuels	1078	1109	1111	1111	1112	1112
Hydro	658	660	671	674	678	684
Nuclear	..	..	..	..	..	..
Other	54	54	54	54	54	54
Main activity	1790	1823	1836	1839	1844	1850
Combustible fuels	1078	1109	1111	1111	1112	1112
Hydro	658	660	671	674	678	684
Nuclear	..	..	..	..	..	..
Other	54	54	54	54	54	54
Combustible fuel input	Terajoules					
Brown Coal	38046	33979	38362	32774	39673	35350
Biogas	75	519	742	778	793	825
Fuel oil	1584	1130	986	548	690	1084
Natural gas	1481	4603	6503	5902	7231	8702
Total input	41185	40231	46592	40003	48387	45960
Total production	13095	12956	15680	13304	16492	14144
Estimated efficiency (% of production to input)	32	32	34	33	34	31

Statistics on electricity

Northern Mariana Islands

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*430	*387	*380	*390	*392	*293
Combustible fuels	*430	*387	*380	*390	*392	*290
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	*3
Main activity	*430	*387	*380	*390	*392	*293
Combustible fuels	*430	*387	*380	*390	*392	*290
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	*3
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	*430	*387	*380	*390	*392	*293
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*96	*86	*85	*86	*86	*63
Consumption	*334	*301	*295	*304	*306	*230
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	*334	*301	*295	*304	*306	*230
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*95	95	*63	*63	*63	*65
Combustible fuels	*95	95	*63	*63	*63	*63
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	*2
Main activity	*95	95	*63	*63	*63	*65
Combustible fuels	*95	95	*63	*63	*63	*63
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	*2
Combustible fuel input	Terajoules					
Gas-diesel oil	*5504	*4945	*4859	*4988	*5031	*3655
Total input	*5504	*4945	*4859	*4988	*5031	*3655
Total production	*1547	*1392	*1368	*1404	*1411	*1044
Estimated efficiency (% of production to input)	28	28	28	28	28	29

Statistics on electricity

Norway

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	144546	149042	149480	146891	135292	154255
Combustible fuels	3247	3201	3190	3169	3010	2436
Hydro	138450	143417	143112	139509	126404	141593
Nuclear	..	..	..	..	..	..
Other	2849	2424	3178	4213	5877	10226
Main activity	141616	146136	146635	143968	132571	152138
Combustible fuels	651	603	669	584	631	635
Hydro	138450	143417	143112	139509	126404	141593
Nuclear	..	..	..	..	..	..
Other	2515	2116	2854	3876	5536	9911
Own use in electricity, CHP and heat plants	642	563	717	653	626	603
Net production	143904	148479	148763	146238	134666	153652
Imports	7371	5740	6111	8340	12353	4496
Exports	22016	22151	21276	18489	12309	24968
Losses	7469	9170	9153	9005	8257	8909
Consumption	120255	122117	123023	126143	125459	123277
Energy industries own use	9178	8472	9327	10236	9835	9955
By industry and construction	45012	45756	46010	47004	46555	47154
By transport	794	901	993	1223	1446	1652
By households and other cons.	65271	66988	66693	67679	67623	64516
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	33837	33808	34228	35416	36940	39026
Combustible fuels	1563	1073	1074	1073	1074	1069
Hydro	31372	31817	31912	32530	32797	33732
Nuclear	..	..	..	..	..	..
Other	902	918	1242	1813	3069	4225
Main activity	33284	33255	33689	34796	36268	38309
Combustible fuels	1010	520	535	521	522	512
Hydro	31372	31817	31912	32530	32797	33732
Nuclear	..	..	..	..	..	..
Other	902	918	1242	1745	2949	4065
Combustible fuel input	Terajoules					
Hard Coal	703	731	815	865	853	819
Biogas	181	130	159	130	134	57
Gas-diesel oil	344	387	235	232	171	174
Liquefied petroleum gas	0	0	0	12	12	10
Refinery gas	4653	4851	5544	4507	3752	1639
Natural gas	15298	15309	14827	15198	13989	10588
Blast furnace gas	1088	1006	1255	1247	1251	867
Fuelwood	94	309	1536	1550	1847	1750
Municipal waste	8670	8610	8756	8861	9158	8867
Other liquid biofuels	0	0	14	8	7	4
Total input	31030	31333	33140	32609	31175	24776
Total production	11689	11524	11484	11410	10838	8769
Estimated efficiency (% of production to input)	38	37	35	35	35	35

Statistics on electricity

Oman

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	32762	34232	36130	37718	38337	38173
Combustible fuels	32758	34228	36114	37702	38320	38045
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	4	4	16	16	17	128
Main activity	32762	34232	36130	37718	38337	38173
Combustible fuels	32758	34228	36114	37702	38320	38045
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	4	4	16	16	17	128
Own use in electricity, CHP and heat plants	676	620	459	497	820	1313
Net production	32086	33612	35670	37221	37517	36860
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	3174	3253	3321	3674	3721	3742
Consumption	28912	30359	32349	33547	33796	33117
Energy industries own use	..	..	..	..	..	..
By industry and construction	4723	5153	5021	5169	5092	4923
By transport	..	..	..	..	..	..
By households and other cons.	24189	25206	27328	28379	28704	28194
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	7868	8165	8228	8450	8501	*8603
Combustible fuels	7866	8163	8220	8442	8442	*8442
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	2	8	8	59	162
Main activity	7868	8165	8228	8450	8501	*8603
Combustible fuels	7866	8163	8220	8442	8442	*8442
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	2	8	8	59	162
Combustible fuel input	Terajoules					
Gas-diesel oil	8686	9632	10606	11542	12308	12308
Natural gas	317548	304957	314281	316552	286348	277564
Total input	326234	314589	324887	328094	298657	289872
Total production	117928	123220	130011	135728	137953	136962
Estimated efficiency (% of production to input)	36	39	40	41	46	47

Statistics on electricity
Pakistan

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	110129	115503	123533	134982	136461	130458
Combustible fuels	70557	74698	81447	93546	89621	80734
Hydro	32867	34573	32132	27729	32789	33991
Nuclear	5804	4602	6867	9849	9134	11495
Other	901	1630	3087	3858	4917	4238
Main activity	107515	113189	120807	131999	133481	127881
Combustible fuels	68383	73016	79732	91583	87608	78718
Hydro	32867	34573	32132	27729	32789	33991
Nuclear	5804	4602	6867	9849	9134	11495
Other	461	998	2076	2838	3950	3677
Own use in electricity, CHP and heat plants	4124	4503	3793	4311	2896	298
Net production	106005	111000	119740	130671	133565	130160
Imports	552	655	433	297	499	514
Exports	..	..	..	..	..	..
Losses	16941	17823	20615	16765	17389	22986
Consumption	90429	95530	103273	109459	113546	107687
Energy industries own use	..	..	..	..	..	..
By industry and construction	25035	24010	27398	28760	29834	25545
By transport	0	0	..	..	..	..
By households and other cons.	65394	71520	75875	80699	83712	82141
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	24495	26698	31246	34875	37681	39669
Combustible fuels	16217	17874	21518	24325	24386	26273
Hydro	7115	7115	7115	7270	9757	9858
Nuclear	750	750	1090	1430	1430	1430
Other	413	959	1523	1850	2108	2108
Main activity	23872	26012	30434	34012	36761	38742
Combustible fuels	15751	17407	21037	23834	23896	25776
Hydro	7115	7115	7115	7270	9757	9858
Nuclear	750	750	1090	1430	1430	1430
Other	256	740	1192	1478	1678	1678
Combustible fuel input	Terajoules					
Hard Coal	5024	20662	115611	122361	153542	279971
Gas-diesel oil	12040	11954	7955	1118	1118	507
Fuel oil	324776	299021	*249591	*111948	*113039	118336
Natural gas	359108	361882	478796	520576	477108	358309
Bagasse	*23583	*23560	*23560	*23622	*23622	*23939
Total input	724531	717079	875513	779625	768429	781061
Total production	254005	268913	293209	336766	322636	290642
Estimated efficiency (% of production to input)	35	38	33	43	42	37

Statistics on electricity
Palau

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*92	*94	*98	*96	97	*98
Combustible fuels	*89	*90	*94	*92	91	*92
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	4	*4	*4	*6	*6
Main activity	*86	*88	*90	*86	85	*86
Combustible fuels	*83	*84	*86	*82	79	*80
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	4	*4	*4	*6	*6
Own use in electricity, CHP and heat plants	*7	*6	*5	*5	*3	*3
Net production	*85	*88	*93	*91	94	*95
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*4	*4	*9	*5	*5	*7
Consumption	*79	*76	*84	*86	*89	*88
Energy industries own use	..	..	..	..	..	..
By industry and construction	*6	*6	*6	*6	*6	*6
By transport	..	..	..	..	..	..
By households and other cons.	*73	*70	*78	*80	*83	*82
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	31	40	*40	*40	*41	*41
Combustible fuels	30	39	*39	*39	*39	*39
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	1	1	2	3	*3
Main activity	29	38	*38	*38	*39	*39
Combustible fuels	28	37	*37	*37	*37	*37
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	1	1	2	3	*3
Combustible fuel input	Terajoules					
Gas-diesel oil	*918	*922	*976	*961	*939	*968
Total input	*918	*922	*976	*961	*939	*968
Total production	*321	*323	*338	*330	326	*331
Estimated efficiency (% of production to input)	35	35	35	34	35	34

Statistics on electricity
Panama

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	10295	10885	11054	11353	11663	10970
Combustible fuels	3604	3666	3141	2657	5527	2685
Hydro	6257	6523	7256	7858	5096	7353
Nuclear	..	..	..	..	..	..
Other	435	697	657	838	1040	932
Main activity	10262	10853	11022	11192	10495	10046
Combustible fuels	3570	3634	3109	2496	4359	1918
Hydro	6257	6523	7256	7858	5096	7197
Nuclear	..	..	..	..	..	..
Other	435	697	657	838	1040	931
Own use in electricity, CHP and heat plants	201	207	242	492	197	207
Net production	10095	10678	10812	10861	11466	10763
Imports	17	30	7	13	77	117
Exports	139	398	318	326	427	567
Losses	1400	1512	1448	1423	1309	1207
Consumption	8549	8761	9095	9296	9786	9232
Energy industries own use	..	..	..	..	..	..
By industry and construction	669	647	651	617	605	461
By transport	42	37	41	41	54	70
By households and other cons.	7837	8077	8403	8638	9127	8701
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	3224	3371	3423	4055	4091	4117
Combustible fuels	1202	1235	1225	1811	1819	1819
Hydro	1726	1769	1777	1777	1796	1806
Nuclear	..	..	..	..	..	..
Other	296	367	421	467	476	491
Main activity	2992	3139	3191	3823	3569	3595
Combustible fuels	1030	1063	1053	1639	1357	1357
Hydro	1666	1709	1717	1717	1736	1746
Nuclear	..	..	..	..	..	..
Other	296	367	421	467	476	491
Combustible fuel input	Terajoules					
Hard Coal	9133	8075	2252	5642	23137	24894
Gas-diesel oil	2555	1935	2718	881	929	464
Fuel oil	19386	21312	19682	9750	11126	1749
Natural gas	..	..	..	10180	31663	16315
Bagasse	2900	4001	2843	4409	2573	2785
Total input	33974	35324	27495	30862	69428	46207
Total production	12974	13199	11309	9565	19896	9667
Estimated efficiency (% of production to input)	38	37	41	31	29	21

Statistics on electricity

Papua New Guinea

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	4560	4794	4595	4629	4686	4476
Combustible fuels	3125	3367	3155	3375	3167	2997
Hydro	1012	1005	1018	830	1095	1077
Nuclear	..	..	..	..	..	..
Other	423	422	422	424	424	402
Main activity	1153	1274	1291	1376	1640	1697
Combustible fuels	491	622	622	753	752	818
Hydro	661	650	667	621	886	877
Nuclear	..	..	..	..	..	..
Other	1	2	2	2	2	2
Own use in electricity, CHP and heat plants	236	465	259	58	103	216
Net production	4324	4329	4336	4571	4583	4260
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	442	349	*372	384	372	361
Consumption	3882	3991	*3998	*4280	*4278	*4364
Energy industries own use	..	..	..	..	..	..
By industry and construction	2838	2931	*2935	*3140	*3081	*3201
By transport	..	..	..	..	..	..
By households and other cons.	*1044	*1061	*1063	*1140	*1197	*1162
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*905	*971	*971	*1102	*1325	*1336
Combustible fuels	*590	*656	*656	*750	*919	*930
Hydro	*258	*258	*258	295	295	*295
Nuclear	..	..	..	..	..	..
Other	57	57	57	57	111	*111
Main activity	*296	*363	*369	*501	*670	*681
Combustible fuels	*140	*206	*206	*300	*469	*480
Hydro	*155	*155	*162	200	200	*200
Nuclear	..	..	..	..	..	..
Other	1	1	1	1	1	*1
Combustible fuel input	Terajoules					
Gas-diesel oil	4312	3894	4194	6824	6155	5234
Fuel oil	22273	22693	20179	27047	24535	21018
Natural gas	7397	9351	9676	7443	6885	11211
Bagasse	84	84	84	84	84	84
Total input	34065	36021	34134	41398	37658	37546
Total production	11250	12121	11358	12150	11401	10789
Estimated efficiency (% of production to input)	33	34	33	29	30	29

Statistics on electricity
Paraguay

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	55744	63771	59685	59212	49448	46373
Combustible fuels	1	1	2	2	2	2
Hydro	55743	63770	59684	59211	49446	46371
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	55744	63771	59685	59212	49448	46373
Combustible fuels	1	1	2	2	2	2
Hydro	55743	63770	59684	59211	49446	46371
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	451	523	495	483	390	422
Net production	55293	63248	59190	58730	49058	45951
Imports	..	..	..	..	..	..
Exports	41127	48415	43635	42205	31748	28005
Losses	3590	3821	4000	4021	4470	4227
Consumption	10576	11012	11555	12504	12840	13719
Energy industries own use	..	..	..	..	..	..
By industry and construction	4010	4105	4452	4695	4714	4656
By transport	..	..	..	..	..	..
By households and other cons.	6567	6907	7103	7808	8126	9063
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	8775	8761	8761	8761	8761	8761
Combustible fuels	15	1	1	1	1	1
Hydro	8760	8760	8760	8760	8760	8760
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	8775	8761	8761	8761	8761	8761
Combustible fuels	15	1	1	1	1	1
Hydro	8760	8760	8760	8760	8760	8760
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	18	17	20	21	24	22
Total input	18	17	20	21	24	22
Total production	5	5	5	6	7	7
Estimated efficiency (% of production to input)	28	27	27	27	31	31

Statistics on electricity

Peru

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	48277	52277	52743	54982	57038	52803
Combustible fuels	23729	26188	22265	21946	23088	19624
Hydro	23722	24785	29075	30737	31462	30510
Nuclear	..	..	..	..	..	..
Other	826	1305	1403	2299	2488	2670
Main activity	45719	50018	50345	52368	54464	50673
Combustible fuels	21766	24577	20591	20125	21261	18169
Hydro	23127	24136	28393	29989	30769	29895
Nuclear	..	..	..	..	..	..
Other	826	1305	1361	2253	2434	2608
Own use in electricity, CHP and heat plants	567	1388	752	743	856	780
Net production	47710	50889	51991	54239	56182	52024
Imports	1	22	17	21	60	37
Exports	55	38	0	..	..	..
Losses	5324	5484	5543	5969	6411	6414
Consumption	42334	45390	46465	48292	49831	45647
Energy industries own use	..	..	..	..	..	..
By industry and construction	23446	26055	26716	27832	28695	25596
By transport	48	46	53	60	75	77
By households and other cons.	18840	19290	19696	20401	21061	19974
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	12089	14517	14775	15214	15162	15229
Combustible fuels	7619	8988	9005	9154	9062	9072
Hydro	4130	5189	5246	5363	5397	5417
Nuclear	..	..	..	..	..	..
Other	340	340	524	697	703	740
Main activity	10511	13044	13239	13651	13650	13790
Combustible fuels	6145	7632	7639	7762	7723	7807
Hydro	4026	5072	5116	5232	5266	5286
Nuclear	..	..	..	..	..	..
Other	340	340	484	657	661	698
Combustible fuel input	Terajoules					
Hard Coal	6694	12096	9015	4735	5662	4467
Biogas	985	1906	391	484	576	504
Gas-diesel oil	8983	11048	15232	7825	6861	1911
Fuel oil	6339	6572	5828	5821	5824	3406
Refinery gas	1485	0	..	..	..	..
Natural gas	182405	199607	165558	168231	177697	150433
Bagasse	14363	11792	17599	13390	14490	14183
Biodiesel	383	473	762	391	343	96
Total input	221636	243493	214384	200877	211453	174999
Total production	85424	94275	80154	79005	83119	70645
Estimated efficiency (% of production to input)	39	39	37	39	39	40

Statistics on electricity

Philippines

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	82905	91789	95747	101223	107517	103215
Combustible fuels	62292	70519	73554	78985	86496	82851
Hydro	8682	8128	9628	9401	8043	7209
Nuclear	..	..	..	..	..	..
Other	11931	13143	12565	12837	12979	13156
Main activity	82413	90798	94371	99765	106042	101756
Combustible fuels	61818	69544	72195	77544	85038	81408
Hydro	8665	8111	9611	9384	8026	7192
Nuclear	..	..	..	..	..	..
Other	11931	13143	12565	12837	12979	13156
Own use in electricity, CHP and heat plants	7582	9314	9655	9589	10333	10171
Net production	75323	82475	86092	91634	97184	93044
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	7481	8286	8262	9007	9994	9742
Consumption	67808	74154	77793	82617	87118	83243
Energy industries own use	..	..	..	..	..	..
By industry and construction	22514	24119	25573	27587	28194	25566
By transport	98	103	112	105	106	76
By households and other cons.	45196	49933	52108	54925	58818	57600
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	18989	21869	23341	24464	26187	26899
Combustible fuels	12864	15127	16470	17480	19135	19713
Hydro	3616	3634	3643	3717	3776	3795
Nuclear	..	..	..	..	..	..
Other	2509	3108	3228	3267	3276	3390
Main activity	18765	21425	22728	23815	25531	26250
Combustible fuels	12656	14699	15873	16847	18495	19080
Hydro	3600	3618	3627	3701	3760	3779
Nuclear	..	..	..	..	..	..
Other	2509	3108	3228	3267	3276	3390
Combustible fuel input	Terajoules					
Brown Coal	387713	425312	514939	575508	632054	657530
Gas-diesel oil	12711	21251	17402	16473	17931	12780
Fuel oil	47559	31666	24284	15013	16148	9223
Natural gas	127938	146239	146138	157703	161726	145863
Bagasse	4590	9867	13825	15094	14144	17311
Municipal waste	955	447	527	543	634	467
Biodiesel	233	372	307	321	347	224
Total input	581699	635153	717423	780654	842984	843400
Total production	224251	253867	264794	284345	311384	298262
Estimated efficiency (% of production to input)	39	40	37	36	37	35

Statistics on electricity

Poland

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	164944	166635	170465	170039	163989	158043
Combustible fuels	151478	151234	152295	154428	145269	137254
Hydro	2435	2622	3034	2387	2665	2937
Nuclear	..	..	..	..	..	..
Other	11031	12779	15136	13224	16055	17852
Main activity	155562	156178	158554	155193	146774	139247
Combustible fuels	142272	140971	140614	140010	129006	120513
Hydro	2432	2619	3030	2384	2662	2934
Nuclear	..	..	..	..	..	..
Other	10858	12588	14909	12799	15107	15800
Own use in electricity, CHP and heat plants	14249	14632	15596	14780	12626	11892
Net production	150695	152003	154869	155260	151363	146151
Imports	14459	14017	13271	13816	17868	20624
Exports	14793	12018	10984	8121	7245	7357
Losses	10534	9495	9996	8894	8951	9995
Consumption	139827	144507	147160	152060	153035	149422
Energy industries own use	12008	11668	11372	11591	12623	12101
By industry and construction	49482	51210	54543	56424	56675	55272
By transport	3107	3287	3326	3469	3413	3174
By households and other cons.	75230	78342	77919	80575	80323	78876
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	37327	38105	42850	43046	43440	49368
Combustible fuels	29961	29783	34412	34314	33638	36715
Hydro	2370	2386	2390	2391	2397	2400
Nuclear	..	..	..	..	..	..
Other	4996	5936	6048	6340	7405	10254
Main activity	35189	36027	40077	39377	38760	42336
Combustible fuels	27934	27895	31929	31220	30526	33638
Hydro	2369	2385	2390	2391	2397	2399
Nuclear	..	..	..	..	..	..
Other	4886	5747	5758	5766	5838	6298
Combustible fuel input	Terajoules					
Hard Coal	912442	938903	953273	944114	875581	788395
Brown Coal	508760	485377	503717	483381	395678	368363
Biogas	6298	7231	8216	8582	8623	9597
Fuel oil	15837	16443	14890	12711	12489	13487
Natural gas	57442	68953	83638	102753	117539	135750
Coke-oven gas	22755	24895	22961	23502	22651	18713
Blast furnace gas	16242	14630	15884	16215	13887	11370
Fuelwood	*50048	*45096	*37123	*31861	*35043	*34915
Vegetal waste	*44115	*26528	*16529	*23161	*32134	*38851
Municipal waste	727	3959	6497	8918	11039	12170
Others	6620	5735	3904	5168	4612	4961
Total input	1641286	1637750	1666631	1660366	1529276	1436573
Total production	545321	544442	548263	555940	522968	494115
Estimated efficiency (% of production to input)	33	33	33	33	34	34

Statistics on electricity
Portugal

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	52420	60328	59432	59636	53154	53078
Combustible fuels	30005	29903	38344	32155	27687	25214
Hydro	9799	16909	7632	13628	10243	13633
Nuclear	..	..	..	..	..	..
Other	12616	13516	13456	13853	15225	14231
Main activity	44126	52123	50996	51312	44477	44201
Combustible fuels	22076	22104	30392	24341	19689	17319
Hydro	9784	16889	7621	13610	10225	13615
Nuclear	..	..	..	..	..	..
Other	12266	13130	12983	13362	14563	13267
Own use in electricity, CHP and heat plants	1480	1466	1763	1439	969	800
Net production	50940	58862	57669	58197	52185	52278
Imports	8077	4616	5506	5668	8099	7553
Exports	5811	9701	8190	8325	4700	6097
Losses	4894	4901	5101	5060	4948	4501
Consumption	48309	48880	49884	50480	50637	49166
Energy industries own use	2497	2485	3243	2521	2758	2912
By industry and construction	15481	15645	16143	16397	16696	16067
By transport	308	431	485	491	494	430
By households and other cons.	30023	30319	30013	31071	30690	29757
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	19624	20613	20933	21186	21575	21655
Combustible fuels	8048	7990	7975	8080	8160	8163
Hydro	6168	6960	7226	7236	7262	7241
Nuclear	..	..	..	..	..	..
Other	5408	5663	5733	5869	6153	6252
Main activity	17575	18570	18849	18950	19166	19156
Combustible fuels	6205	6209	6205	6208	6281	6278
Hydro	6162	6954	7220	7230	7256	7235
Nuclear	..	..	..	..	..	..
Other	5208	5407	5424	5511	5629	5642
Combustible fuel input	Terajoules					
Hard Coal	135911	118603	135512	112417	52058	28657
Biogas	3121	2996	3224	3127	3068	3168
Gas-diesel oil	989	774	790	740	697	699
Fuel oil	9656	9938	9362	8647	9279	8660
Refinery gas	644	396	469	525	628	797
Natural gas	97300	110638	155584	133961	146170	147715
Fuelwood	*11384	*15464	*12422	*10686	*15008	*20958
Vegetal waste	*6961	*2483	*5061	*7397	*6295	*4905
Municipal waste	8155	8680	8738	8120	8666	8341
Black liquor	*7031	*7751	*9033	*9138	*8413	*8761
Others	153	182	172	169	163	162
Total input	281303	277905	340367	294928	250448	232823
Total production	108018	107651	138039	115758	99674	90772
Estimated efficiency (% of production to input)	38	39	41	39	40	39

Statistics on electricity
Puerto Rico

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	20911	20644	16371	17453	18886	18774
Combustible fuels	20522	20262	16013	17226	18444	18321
Hydro	56	71	51	38	41	51
Nuclear	..	..	..	..	..	..
Other	333	311	308	189	401	402
Main activity	20661	20394	16161	17233	18656	18542
Combustible fuels	20272	20012	15803	17006	18214	18089
Hydro	56	71	51	38	41	51
Nuclear	..	..	..	..	..	..
Other	333	311	308	189	401	402
Own use in electricity, CHP and heat plants	829	764	674	664	670	632
Net production	20082	19880	15698	16789	18217	18142
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*1255	*1239	*982	*524	*1133	*1126
Consumption	17235	17311	13559	16375	16077	16035
Energy industries own use	..	..	..	..	..	..
By industry and construction	2355	2250	1741	2128	2048	1910
By transport	..	..	..	..	..	..
By households and other cons.	14880	15061	11817	14246	14029	14126
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*6112	6257	*6264	5830	6173	*6126
Combustible fuels	*5800	5900	*5900	5466	5808	*5760
Hydro	99	99	99	99	99	99
Nuclear	..	..	..	..	..	..
Other	213	258	266	266	267	267
Main activity	*6051	6196	*6203	5770	6113	*6066
Combustible fuels	*5739	5839	*5839	5406	5748	*5700
Hydro	99	99	99	99	99	99
Nuclear	..	..	..	..	..	..
Other	213	258	266	266	267	267
Combustible fuel input	Terajoules					
Hard Coal	37689	37240	26195	29113	40540	35111
Biogas	*4	*89	*139	*136	*195	*121
Fuel oil	110159	96972	85616	78235	73249	107084
Natural gas	61149	67732	51276	66555	75889	53292
Total input	209000	202032	163225	174038	189873	195608
Total production	73879	72942	57646	62013	66399	65957
Estimated efficiency (% of production to input)	35	36	35	36	35	34

Statistics on electricity

Qatar

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	41499	42307	45555	47913	49873	49259
Combustible fuels	41499	42307	45555	47913	49873	49259
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	2501	2550	2742	1533	1930	2759
Combustible fuels	2501	2550	2742	1533	1930	2759
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	2647	2642	2831	3259	3440	3434
Net production	38852	39665	42724	44654	46432	45825
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	2475	2532	2695	2786	2772	2774
Consumption	36378	37134	40030	*41868	*43660	43089
Energy industries own use	..	..	..	..	..	..
By industry and construction	11887	12026	11262	12197	12124	10465
By transport	..	..	..	..	..	..
By households and other cons.	24491	25108	28768	*29671	*31536	32625
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*8561	*8559	*10170	*10590	*10590	*10590
Combustible fuels	*8561	*8559	*10170	*10590	*10590	*10590
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*1284	*1284	*1526	*1553	*1553	*1553
Combustible fuels	*1284	*1284	*1526	*1553	*1553	*1553
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Natural gas	399818	407605	438866	452056	472908	473104
Total input	399818	407605	438866	452056	472908	473104
Total production	149396	152305	163998	172487	179542	177332
Estimated efficiency (% of production to input)	37	37	37	38	38	37