

**Statistics on electricity**
**Madagascar**

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	1904	1983	2099	2178	2167	2273
Combustible fuels	998	1177	1107	1259	1317	1477
Hydro	887	783	968	886	818	767
Nuclear	..	..	..	..	..	..
Other	20	23	*23	32	32	29
Main activity	1671	1723	1820	1892	1869	1940
Combustible fuels	765	917	829	974	1018	1143
Hydro	887	783	968	886	818	767
Nuclear	..	..	..	..	..	..
Other	20	23	*23	32	32	29
Own use in electricity, CHP and heat plants	*46	38	*29	*43	*38	*40
Net production	1858	1945	2070	2134	2129	2234
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	116	128	*130	*135	*132	*135
Consumption	1742	1817	*1940	1999	*1997	*2099
Energy industries own use	..	..	..	..	..	..
By industry and construction	*400	*434	*608	*533	*643	*638
By transport	..	..	..	..	..	..
By households and other cons.	1342	1383	*1332	1466	*1354	*1461
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	587	721	706	592	*649	*695
Combustible fuels	417	542	521	407	*465	*511
Hydro	159	166	165	165	164	164
Nuclear	..	..	..	..	..	..
Other	11	13	20	20	20	20
Main activity	496	615	598	486	*547	*592
Combustible fuels	326	436	413	301	*363	*408
Hydro	159	166	165	165	164	164
Nuclear	..	..	..	..	..	..
Other	11	13	20	20	20	20
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	712	963	851	955	*1084	*1135
Gas-diesel oil	*5151	*4188	*4184	*4175	*4150	*4128
Fuel oil	2262	5276	5361	5822	6686	*7983
Bagasse	*336	*368	*335	*377	*402	*432
<b>Total input</b>	*8462	10796	10732	11328	12321	*13679
<b>Total production</b>	3592	4237	3987	4532	4740	5318
<b>Estimated efficiency (% of production to input)</b>	42	39	37	40	38	39

## Statistics on electricity

### Malawi

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	2157	1917	1803	1937	*1882	*1955
Combustible fuels	*183	*54	*385	*125	*68	*130
Hydro	1949	1824	1365	1647	*1647	*1655
Nuclear	..	..	..	..	..	..
Other	25	39	53	165	168	*170
Main activity	1974	1863	1418	1812	*1814	*1825
Combustible fuels	*5	*1	*5	*5	*5	*5
Hydro	1944	1823	1360	1642	*1642	*1650
Nuclear	..	..	..	..	..	..
Other	25	39	53	165	168	*170
Own use in electricity, CHP and heat plants	30	108	11	50	56	*55
Net production	2127	1809	1792	1887	*1826	*1900
Imports	..	..	..	..	..	..
Exports	24	20	19	20	19	*20
Losses	*248	*279	*296	*291	*220	*230
Consumption	1855	1509	1477	1576	1587	*1650
Energy industries own use	..	..	..	..	..	..
By industry and construction	971	573	678	715	654	*700
By transport	..	..	..	..	..	..
By households and other cons.	884	936	799	861	933	*950
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	579	586	593	647	664	743
Combustible fuels	*211	*211	*211	*211	*211	*211
Hydro	356	356	356	356	373	392
Nuclear	..	..	..	..	..	..
Other	12	19	26	80	80	140
Main activity	364	371	378	432	449	528
Combustible fuels	*1	*1	*1	*1	*1	*1
Hydro	351	351	351	351	368	387
Nuclear	..	..	..	..	..	..
Other	12	19	26	80	80	140
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	*1904	*22	*4588	*1075	*245	*1161
Bagasse	*903	*903	*903	*903	*903	*903
<b>Total input</b>	*2808	*925	*5492	*1978	*1149	*2064
<b>Total production</b>	*658	*194	*1386	*450	*245	*468
<b>Estimated efficiency (% of production to input)</b>	23	21	25	23	21	23

**Statistics on electricity**
**Malaysia**

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	156665	164509	170578	178440	174224	180070
Combustible fuels	136336	137599	143621	150783	144794	146849
Hydro	20019	26580	26325	26167	27295	31101
Nuclear	..	..	..	..	..	..
Other	310	330	632	1490	2136	2120
Main activity	150442	159257	163415	171270	167466	173301
Combustible fuels	130113	132352	136517	143699	138128	140173
Hydro	20019	26575	26325	26167	27295	31101
Nuclear	..	..	..	..	..	..
Other	310	330	573	1404	2044	2027
Own use in electricity, CHP and heat plants	1317	4588	696	6147	6010	6209
Net production	155348	159921	169882	172293	168215	173861
Imports	33	7	20	41	18	35
Exports	694	1124	1509	1699	1572	977
Losses	10102	12288	14109	12301	12010	12413
Consumption	144024	146520	152866	158709	152131	155400
Energy industries own use	..	..	..	..	..	..
By industry and construction	67664	71417	76088	78480	74245	77409
By transport	340	459	482	478	390	349
By households and other cons.	76020	74644	76296	79752	77496	77642
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	33090	33334	34389	*34153	*35863	36985
Combustible fuels	25732	26848	26432	*26260	*27257	28168
Hydro	6137	6128	6168	6245	6275	6190
Nuclear	..	..	..	..	..	..
Other	1220	358	1790	1648	2331	2626
Main activity	29789	30892	31714	*31699	*33410	34532
Combustible fuels	23226	24410	24479	*24498	*25497	26408
Hydro	6135	6126	6168	6245	6275	6190
Nuclear	..	..	..	..	..	..
Other	427	356	1066	956	1638	1933
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	710051	794090	857092	810193	981830	897022
Biogas	884	1715	6146	4425	6025	5795
Gas-diesel oil	8944	15738	14448	24892	8957	11184
Fuel oil	6302	4040	687	769	486	326
Natural gas	600958	540161	536208	670151	523688	505285
Vegetal waste	9878	*8196	12581	12624	9945	10886
<b>Total input</b>	1337018	1363940	1427162	1523054	1530930	1430498
<b>Total production</b>	490810	495356	517036	542820	521258	528657
<b>Estimated efficiency (% of production to input)</b>	37	36	36	36	34	37

**Statistics on electricity**
**Maldives**

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	674	728	*773	*847	*853	*857
Combustible fuels	660	709	*745	*813	*810	*812
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	14	19	27	33	43	*45
Main activity	434	468	*493	*547	*553	*557
Combustible fuels	420	449	*465	*513	*510	*512
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	14	19	27	33	43	*45
Own use in electricity, CHP and heat plants	*21	*21	*21	*24	*27	*31
Net production	653	707	*752	*823	*825	*826
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*34	*44	*46	*51	*51	*53
Consumption	*619	*663	*706	*772	*774	*773
Energy industries own use	..	..	..	..	..	..
By industry and construction	*35	*37	*39	*40	*40	*46
By transport	..	..	..	..	..	..
By households and other cons.	*584	*626	*667	*732	*734	*727
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	275	*278	*304	410	*414	*419
Combustible fuels	266	*266	*286	388	*386	*387
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	9	12	18	22	28	32
Main activity	150	*153	*179	*200	*204	*209
Combustible fuels	141	*141	*161	*178	*176	*177
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	9	12	18	22	28	32
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	*7433	*8109	*8790	*9559	*9421	*9460
<b>Total input</b>	*7433	*8109	*8790	*9559	*9421	*9460
<b>Total production</b>	2376	2552	*2683	*2928	*2917	*2923
<b>Estimated efficiency (% of production to input)</b>	32	31	31	31	31	31

## Statistics on electricity

### Mali

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	2640	*3096	*3289	*3535	*3728	*3969
Combustible fuels	1509	*1935	*1991	*2137	*2191	*2381
Hydro	1102	1130	*1267	1365	1444	*1473
Nuclear	..	..	..	..	..	..
Other	29	31	31	33	93	115
Main activity	1905	2082	*2218	2411	2595	*2806
Combustible fuels	801	949	949	1044	1090	*1250
Hydro	1102	1130	*1267	1365	1444	*1473
Nuclear	..	..	..	..	..	..
Other	2	3	3	2	61	83
Own use in electricity, CHP and heat plants	*11	*12	12	13	*25	*27
Net production	2629	*3084	*3277	*3522	*3703	*3942
Imports	*113	*117	*198	*180	*172	*174
Exports	*529	*535	*550	*556	*569	*590
Losses	*311	*318	*356	*370	*407	*419
Consumption	*1902	*2348	*2568	*2751	*2899	3107
Energy industries own use	..	..	..	..	..	..
By industry and construction	*715	*920	*1010	*1103	*1160	*957
By transport	..	..	..	..	..	..
By households and other cons.	*1187	*1428	*1558	*1649	*1739	2150
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	1007	1098	1098	1100	1204	1204
Combustible fuels	539	629	629	629	629	629
Hydro	*450	*450	*450	*450	*453	*453
Nuclear	..	..	..	..	..	..
Other	18	19	19	21	122	*122
Main activity	*790	*821	*821	*821	*874	*874
Combustible fuels	339	369	369	369	369	369
Hydro	*450	*450	*450	*450	*453	*453
Nuclear	..	..	..	..	..	..
Other	1	2	2	2	52	52
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	12040	13674	14233	11262	12646	*12771
Fuel oil	4444	8040	10504	11554	9381	*9474
Bagasse	896	896	896	896	896	*896
<b>Total input</b>	17380	22609	25633	23712	22923	*23141
<b>Total production</b>	5432	*6965	*7167	*7692	*7888	*8572
<b>Estimated efficiency (% of production to input)</b>	31	31	28	32	34	37

## Statistics on electricity

### Malta

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	857	1652	1962	2060	2143	2215
Combustible fuels	729	1489	1772	1864	1906	1959
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	128	162	190	195	237	256
Main activity	721	1480	1763	1858	1900	1952
Combustible fuels	721	1480	1763	1858	1900	1952
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	51	49	50	59	62	55
Net production	806	1603	1912	2001	2081	2160
Imports	1527	897	631	657	420	547
Exports	..	36	11	20	4	36
Losses	216	144	143	158	128	89
Consumption	2117	2320	2390	2479	2368	2583
Energy industries own use	..	3	3	5	5	3
By industry and construction	411	459	477	470	462	495
By transport	..	0	1	2	2	5
By households and other cons.	1706	1858	1909	2002	1899	2079
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	573	706	727	750	783	800
Combustible fuels	480	595	595	595	595	595
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	94	112	132	155	188	206
Main activity	475	590	590	590	590	590
Combustible fuels	475	590	590	590	590	590
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Biogas	42	46	43	31	28	34
Gas-diesel oil	129	252	224	410	997	439
Fuel oil	7151	1913	0	..	..	..
Natural gas	..	10776	13602	14216	14799	14777
<b>Total input</b>	7322	12987	13869	14657	15824	15250
<b>Total production</b>	2624	5362	6381	6712	6862	7053
<b>Estimated efficiency (% of production to input)</b>	36	41	46	46	43	46

**Statistics on electricity**
**Marshall Islands**

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	*82	*87	*85	82	*82	*82
Combustible fuels	*80	*85	*83	80	*80	*80
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	2	2	2	2	2
Main activity	*82	*87	*85	82	*82	*82
Combustible fuels	*80	*85	*83	80	*80	*80
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	2	2	2	2	2
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	*82	*87	*85	82	*82	*82
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*23	*22	*22	*22	*21	*21
Consumption	*59	*66	*64	*61	*61	*61
Energy industries own use	..	..	..	..	..	..
By industry and construction	*4	*4	*4	*4	*4	*4
By transport	..	..	..	..	..	..
By households and other cons.	*56	*62	*60	*57	*58	*58
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	*37	*35	*35	32	*32	*32
Combustible fuels	*35	*33	*33	30	*30	*30
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	2	2	2	2	2
Main activity	*37	*35	*35	32	*32	*32
Combustible fuels	*35	*33	*33	30	*30	*30
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	2	2	2	2	2
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	*817	*834	*817	*817	*826	*826
<b>Total input</b>	*817	*834	*817	*817	*826	*826
<b>Total production</b>	*288	*306	*299	288	*288	*288
<b>Estimated efficiency (% of production to input)</b>	35	37	37	35	35	35

**Statistics on electricity**
**Mauritania**

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	1052	1192	1281	1477	*1461	*1364
Combustible fuels	875	1022	1023	1216	*1178	*1080
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	177	170	258	*261	283	*284
Main activity	683	841	925	1102	*1081	*980
Combustible fuels	515	680	677	854	*810	*710
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	168	161	248	*248	271	*270
Own use in electricity, CHP and heat plants	72	104	105	95	72	34
Net production	979	1088	1176	1382	*1389	*1330
Imports	221	*185	198	204	*225	*200
Exports	57	..	..	..	..	..
Losses	*192	*210	*230	*217	*224	*210
Consumption	941	1063	1143	1369	1390	1320
Energy industries own use	..	..	..	..	..	..
By industry and construction	357	343	342	372	380	383
By transport	..	..	..	..	..	..
By households and other cons.	584	720	801	997	1010	937
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	*444	*508	*571	*608	*626	*626
Combustible fuels	*392	*421	*449	*486	*504	*504
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	52	87	122	*122	*122	*122
Main activity	*357	*421	*479	*511	*524	*524
Combustible fuels	*312	*341	*364	*396	*409	*409
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	45	80	115	*115	*115	*115
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	*5031	*7310	*8815	*9370	*8905	*8011
Fuel oil	*2674	*2771	*2020	*2424	*2788	*2586
<b>Total input</b>	*7705	*10081	*10835	*11794	*11693	*10597
<b>Total production</b>	3148	3678	3683	4376	*4239	*3889
<b>Estimated efficiency (% of production to input)</b>	41	36	34	37	36	37



## Statistics on electricity

### Mauritius

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	3042	3120	3131	3237	2883	2992
Combustible fuels	2895	2976	2943	2994	2603	2719
Hydro	100	90	125	99	116	107
Nuclear	..	..	..	..	..	..
Other	48	54	64	144	164	167
Main activity	1234	1293	1373	1482	1201	1226
Combustible fuels	1131	1201	1246	1381	1082	1114
Hydro	100	90	125	99	116	107
Nuclear	..	..	..	..	..	..
Other	4	3	3	3	3	5
Own use in electricity, CHP and heat plants	45	44	44	45	47	53
Net production	2998	3076	3088	3192	2836	2939
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	172	187	165	182	143	191
Consumption	2819	2880	2918	3001	2683	2748
Energy industries own use	..	..	..	..	..	..
By industry and construction	970	994	1002	991	863	898
By transport	..	..	..	..	..	5
By households and other cons.	1848	1886	1916	2010	1820	1845
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	811	835	873	844	862	863
Combustible fuels	709	732	732	681	681	684
Hydro	61	60	60	60	61	61
Nuclear	..	..	..	..	..	..
Other	41	43	81	103	120	119
Main activity	493	516	516	516	516	517
Combustible fuels	427	450	450	450	450	450
Hydro	61	60	60	60	61	61
Nuclear	..	..	..	..	..	..
Other	5	5	5	5	5	7
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	18091	18871	17916	16464	16139	18046
Biogas	67	61	81	71	89	69
Gas-diesel oil	45	55	34	28	35	39
Fuel oil	8696	9672	9991	11034	8574	8973
Other kerosene	34	41	28	162	11	26
Bagasse	8722	8324	7791	7736	6514	6161
<b>Total input</b>	35654	37025	35842	35495	31362	33313
<b>Total production</b>	10420	10714	10593	10779	9370	9787
<b>Estimated efficiency (% of production to input)</b>	29	29	30	30	30	29

## Statistics on electricity

### Mexico

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	320565	323124	357592	344839	317680	379696
Combustible fuels	262310	261726	279724	267416	245464	294525
Hydro	30698	31981	32526	23716	26817	32869
Nuclear	10567	10883	13675	11190	11262	11923
Other	16990	18534	31667	42517	34137	40379
Main activity	266201	260164	292942	284294	250943	319616
Combustible fuels	217231	209160	226758	220287	191853	248122
Hydro	29805	31040	31621	22927	26009	32086
Nuclear	10567	10883	13675	11190	11262	11923
Other	8598	9082	20888	29890	21819	27485
Own use in electricity, CHP and heat plants	17689	13205	11499	6509	5447	8185
Net production	302876	309919	346093	338330	312233	371511
Imports	2232	2151	3673	3907	9965	1737
Exports	1968	1804	2426	3084	5955	2693
Losses	40002	43915	42075	40018	36985	42047
Consumption	274210	275859	303881	284167	303740	297771
Energy industries own use	3843	3938	4185	4092	3781	2730
By industry and construction	145945	147465	168392	153433	175159	171470
By transport	1140	1077	1073	1106	945	1582
By households and other cons.	123282	123379	130231	125537	123855	121989
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	72574	74409	87131	94805	95982	105310
Combustible fuels	53047	54388	62010	63521	63521	71083
Hydro	12580	12628	12628	13076	13301	13303
Nuclear	1608	1608	1634	1721	1721	1721
Other	5339	5785	10859	16487	17439	19203
Main activity	55904	57536	74954	82982	84169	92227
Combustible fuels	40280	41616	53963	56823	56823	63452
Hydro	12348	12395	12395	12851	13076	13078
Nuclear	1608	1608	1634	1721	1721	1721
Other	1668	1917	6962	11587	12549	13976
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	169061	205979	183718	201282	137603	138298
Brown Coal	198168	133446	120895	99833	51313	57610
Biogas	1912	2265	2082	2195	2888	1767
Gas-diesel oil	27606	31820	40936	34701	34701	38657
Fuel oil	282194	306838	256823	365984	365984	374670
Petroleum coke	29803	38350	37863	37830	37830	32598
Natural gas	1684576	1782417	1698244	1500693	1438994	1985870
Blast furnace gas	4677	3470	2452	2060	2452	1420
Bagasse	*70268	*76659	*76630	*73843	*69390	*55635
Industrial waste	552	897	1010	1067	1200	9918
Others	4389	2870	*10896	*7215	*6897	117
<b>Total input</b>	2473205	2585012	2431548	2326702	2149252	2696559
<b>Total production</b>	944316	942212	1007006	962698	883670	1060290
<b>Estimated efficiency (% of production to input)</b>	38	36	41	41	41	39

Statistics on electricity

Micronesia (Fed. States of)

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	*69	*69	*70	*70	*70	*70
Combustible fuels	*66	*65	*65	*65	*65	*64
Hydro	1	1	1	1	*1	*1
Nuclear	..	..	..	..	..	..
Other	2	2	4	4	*4	*4
Main activity	*69	*69	*70	*70	*70	*70
Combustible fuels	*66	*65	*65	*65	*65	*64
Hydro	1	1	1	1	*1	*1
Nuclear	..	..	..	..	..	..
Other	2	2	4	4	*4	*4
Own use in electricity, CHP and heat plants	2	*2	*2	*3	*3	*3
Net production	*67	*67	*68	*68	*67	*67
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*19	*20	*21	*21	*20	*20
Consumption	*48	*47	*47	*47	*47	*47
Energy industries own use	..	..	..	..	..	..
By industry and construction	*17	*17	*16	*16	*16	*16
By transport	..	..	..	..	..	..
By households and other cons.	*31	*31	*31	*31	*31	*31
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	*34	*34	*35	*35	42	42
Combustible fuels	*32	*32	*32	*32	38	38
Hydro	1	1	1	1	1	1
Nuclear	..	..	..	..	..	..
Other	1	1	3	3	3	3
Main activity	*34	*34	*35	*35	42	42
Combustible fuels	*32	*32	*32	*32	38	38
Hydro	1	1	1	1	1	1
Nuclear	..	..	..	..	..	..
Other	1	1	3	3	3	3
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	*834	*830	*830	*826	*830	*820
<b>Total input</b>	*834	*830	*830	*826	*830	*820
<b>Total production</b>	*236	*235	*233	*233	*232	*232
<b>Estimated efficiency (% of production to input)</b>	28	28	28	28	28	28

**Statistics on electricity**
**Mongolia**

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	5667	6027	6535	6900	6970	7825
Combustible fuels	5413	5759	6055	6416	6486	7061
Hydro	87	86	81	*85	85	138
Nuclear	..	..	..	..	..	..
Other	167	182	399	*399	399	627
Main activity	5580	5941	6454	6815	6885	7687
Combustible fuels	5413	5759	6055	6416	6486	7061
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	167	182	399	*399	399	627
Own use in electricity, CHP and heat plants	749	816	849	861	834	887
Net production	4918	5211	5686	6040	6136	6938
Imports	1446	1574	1666	1723	1685	1823
Exports	36	26	27	24	42	24
Losses	817	811	875	892	963	1019
Consumption	5446	5949	6450	6847	6817	7755
Energy industries own use	..	..	..	..	..	..
By industry and construction	3356	3692	4003	4249	4231	4791
By transport	223	248	268	285	284	321
By households and other cons.	1867	2009	2178	2313	2302	2644
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	*1199	1311	*1461	*1486	*1507	*1507
Combustible fuels	*1103	1132	*1210	*1210	*1230	*1230
Hydro	29	29	31	31	31	31
Nuclear	..	..	..	..	..	..
Other	67	150	220	245	246	246
Main activity	*1160	1272	*1420	*1445	*1466	*1466
Combustible fuels	*1093	1122	*1200	*1200	*1220	*1220
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	67	150	220	245	246	246
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	42227	51712	63440	45811	33124	53598
Brown Coal	75391	78587	79093	87952	90042	92966
Gas-diesel oil	2662	3913	4124	*4356	*4644	4803
Fuel oil	105	89	121	121	113	73
<b>Total input</b>	120385	134301	146777	138240	127923	151439
<b>Total production</b>	19487	20733	21799	23099	23349	25419
<b>Estimated efficiency (% of production to input)</b>	16	15	15	17	18	17

## Statistics on electricity

### Montenegro

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	3141	2483	3679	3423	3386	3777
Combustible fuels	1298	1348	1444	1506	1615	1444
Hydro	1843	1040	2092	1621	1448	2010
Nuclear	..	..	..	..	..	..
Other	..	95	143	296	322	323
Main activity	3141	2483	3679	3423	3386	3777
Combustible fuels	1298	1348	1444	1506	1615	1444
Hydro	1843	1040	2092	1621	1448	2010
Nuclear	..	..	..	..	..	..
Other	..	95	143	296	322	323
Own use in electricity, CHP and heat plants	118	119	134	129	141	124
Net production	3023	2364	3546	3294	3245	3653
Imports	1210	1537	780	1196	5943	5318
Exports	906	417	976	943	5864	5489
Losses	541	512	503	493	487	504
Consumption	2671	2855	2847	3054	2837	2978
Energy industries own use	..	..	..	..	..	..
By industry and construction	660	732	737	699	700	678
By transport	21	20	19	21	12	11
By households and other cons.	1990	2103	2090	2335	2124	2289
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	870	949	999	1001	1047	1047
Combustible fuels	219	225	225	225	225	225
Hydro	651	652	652	652	697	697
Nuclear	..	..	..	..	..	..
Other	..	72	121	123	125	125
Main activity	870	949	999	1001	1047	1047
Combustible fuels	219	225	225	225	225	225
Hydro	651	652	652	652	697	697
Nuclear	..	..	..	..	..	..
Other	..	72	121	123	125	125
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Brown Coal	12028	12341	14816	15109	15766	13704
<b>Total input</b>	12028	12341	14816	15109	15766	13704
<b>Total production</b>	4673	4853	5198	5423	5815	5199
<b>Estimated efficiency (% of production to input)</b>	39	39	35	36	37	38

Statistics on electricity

Montserrat

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	14	13	14	14	14	16
Combustible fuels	14	13	14	14	14	14
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	0	0	2
Main activity	14	13	14	14	14	16
Combustible fuels	14	13	14	14	14	14
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	0	0	2
Own use in electricity, CHP and heat plants	1	1	1	0	1	1
Net production	13	13	13	14	13	15
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	1	0	1	0	0	0
Consumption	11	11	11	12	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	12	12	*12
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	5	5	5	6	6	6
Combustible fuels	5	5	5	5	5	5
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	0	0	1
Main activity	5	5	5	6	6	6
Combustible fuels	5	5	5	5	5	5
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	0	0	1
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	*194	*172	*186	*168	*172	*181
<b>Total input</b>	*194	*172	*186	*168	*172	*181
<b>Total production</b>	49	48	51	50	49	50
<b>Estimated efficiency (% of production to input)</b>	25	28	27	30	28	28

## Statistics on electricity

### Morocco

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	32141	33192	35822	41650	40057	42562
Combustible fuels	25776	26875	27708	32390	31353	33120
Hydro	1662	1565	1998	1654	1290	1213
Nuclear	..	..	..	..	..	..
Other	4703	4752	6116	7607	7414	8229
Main activity	30747	31804	34432	40083	38396	40942
Combustible fuels	25776	26875	27708	32214	31070	32885
Hydro	1662	1565	1998	1654	1290	1213
Nuclear	..	..	..	..	..	..
Other	3309	3364	4726	6216	6036	6845
Own use in electricity, CHP and heat plants	50	60	42	41	38	44
Net production	32091	33132	35779	41610	40019	42518
Imports	5289	6058	3724	526	856	688
Exports	135	161	350	1453	624	851
Losses	5654	6066	6134	6703	6771	7274
Consumption	31592	32962	33020	33979	33480	35081
Energy industries own use	529	510	406	527	577	541
By industry and construction	11190	11825	12065	12431	11680	12838
By transport	352	368	375	386	214	312
By households and other cons.	19521	20259	20175	20634	21010	21389
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	11996	12555	12785	14412	14432	*14548
Combustible fuels	8732	9128	9151	10276	10046	*10046
Hydro	1770	1770	1770	1770	1770	1770
Nuclear	..	..	..	..	..	..
Other	1494	1657	1864	2366	2616	2732
Main activity	8268	8827	9057	10684	10704	*10820
Combustible fuels	5432	5828	5851	6976	6746	*6746
Hydro	1770	1770	1770	1770	1770	1770
Nuclear	..	..	..	..	..	..
Other	1066	1229	1436	1938	2188	2304
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	178592	185656	214785	278225	279407	293030
Gas-diesel oil	516	416	255	186	159	294
Fuel oil	31148	34721	12420	8315	6733	14373
Natural gas	45068	44651	39792	37016	27994	27710
<b>Total input</b>	255324	265445	267252	323742	314292	335407
<b>Total production</b>	92794	96749	99749	116602	112870	119233
<b>Estimated efficiency (% of production to input)</b>	36	36	37	36	36	36

**Statistics on electricity**
**Mozambique**

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	18697	17641	17140	18981	19026	18863
Combustible fuels	3103	3581	3239	4021	3253	3326
Hydro	15592	14058	13899	14930	15703	15468
Nuclear	..	..	..	..	..	..
Other	2	2	1	31	70	69
Main activity	18620	17394	16927	18759	18816	18653
Combustible fuels	3045	3335	3027	3799	3043	3116
Hydro	15575	14058	13899	14930	15703	15468
Nuclear	..	..	..	..	..	..
Other	..	2	1	31	70	69
Own use in electricity, CHP and heat plants	58	246	234	247	264	225
Net production	18639	17394	16906	18734	18762	18638
Imports	9928	8289	8327	8276	8100	8133
Exports	14269	10010	9738	10771	11511	11096
Losses	2480	2603	2663	2768	2768	2930
Consumption	11383	12346	12437	12952	12433	12625
Energy industries own use	..	103	93	116	94	94
By industry and construction	9100	10307	10416	10557	10376	10428
By transport	..	..	..	..	..	..
By households and other cons.	2283	1936	1928	2279	1964	2103
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	2492	2654	2719	2789	2789	2776
Combustible fuels	399	*435	*460	*490	*490	*490
Hydro	2078	2204	2204	2204	2204	2191
Nuclear	..	..	..	..	..	..
Other	14	15	55	95	95	*95
Main activity	2473	2604	2669	2739	2739	2726
Combustible fuels	385	*385	*410	*440	*440	*440
Hydro	2075	2204	2204	2204	2204	2191
Nuclear	..	..	..	..	..	..
Other	13	15	55	95	95	*95
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	215	52	47	44	52	63
Fuel oil	3717	5671	2267	1250	1170	1432
Natural gas	24356	25469	25710	29940	27556	27330
Bagasse	..	3201	3130	2944	2412	2603
<b>Total input</b>	28288	34392	31154	34178	31190	31428
<b>Total production</b>	11172	12892	11661	14476	11710	11973
<b>Estimated efficiency (% of production to input)</b>	39	37	37	42	38	38



## Statistics on electricity

### Myanmar

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	20248	20055	22883	23778	23643	22075
Combustible fuels	8123	8864	11641	14328	15194	12350
Hydro	12125	11191	11228	9369	8370	9590
Nuclear	..	..	..	..	..	..
Other	..	..	14	81	79	135
Main activity	17218	13557	10487	9363	7222	7216
Combustible fuels	5734	3116	2862	3399	1951	971
Hydro	11484	10441	7625	5964	5271	6245
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	1
Own use in electricity, CHP and heat plants	2381	136	184	205	174	143
Net production	17867	19919	22699	23573	23469	21931
Imports	..	116	152	122	129	140
Exports	..	1393	1527	1281	1637	852
Losses	2385	2803	3405	3734	4273	4658
Consumption	15355	15839	17919	18681	19196	17273
Energy industries own use	..	..	..	..	..	..
By industry and construction	2120	2773	4581	5553	4718	5087
By transport	..	..	..	..	..	..
By households and other cons.	13235	13066	13338	13128	14477	12186
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	5390	5642	5838	7129	6830	7174
Combustible fuels	2135	2387	2536	3827	3527	3841
Hydro	3255	3255	3262	3262	3262	3262
Nuclear	..	..	..	..	..	..
Other	..	..	40	40	41	71
Main activity	4590	4288	3144	3410	3234	3236
Combustible fuels	1507	1205	993	1259	1083	1084
Hydro	3083	3083	2151	2151	2151	2151
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	1
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	*1047	*6373	21934	32145	*21097	21543
Crude oil	..	..	..	..	..	169
Gas-diesel oil	6807	4597	860	1247	1591	172
Natural gas	123472	126111	126322	121094	*146908	*112650
<b>Total input</b>	131326	137081	149116	154486	*169596	*134534
<b>Total production</b>	29243	31912	41908	51581	54697	44458
<b>Estimated efficiency (% of production to input)</b>	22	23	28	33	32	33

## Statistics on electricity

### Namibia

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	1478	1781	1437	1402	2012	1467
Combustible fuels	62	66	21	52	65	41
Hydro	1359	1593	1144	954	1505	968
Nuclear	..	..	..	..	..	..
Other	57	122	272	396	442	458
Main activity	1478	1781	1437	1402	2012	1467
Combustible fuels	62	66	21	52	65	41
Hydro	1359	1593	1144	954	1505	968
Nuclear	..	..	..	..	..	..
Other	57	122	272	396	442	458
Own use in electricity, CHP and heat plants	162	159	145	123	133	116
Net production	1315	1622	1292	1279	1879	1351
Imports	3073	2911	3337	3161	2785	2825
Exports	99	100	114	119	593	382
Losses	*378	*372	*338	*287	*310	*271
Consumption	*3909	*4057	*4171	*4040	*3759	*3521
Energy industries own use	..	..	..	..	..	..
By industry and construction	585	603	586	537	397	135
By transport	..	..	..	..	..	..
By households and other cons.	*3324	*3454	*3585	*3503	*3362	*3386
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	529	565	582	600	616	628
Combustible fuels	143	143	143	113	113	120
Hydro	350	347	347	347	347	351
Nuclear	..	..	..	..	..	..
Other	36	75	93	140	157	157
Main activity	529	565	582	600	616	628
Combustible fuels	143	143	143	113	113	120
Hydro	350	347	347	347	347	351
Nuclear	..	..	..	..	..	..
Other	36	75	93	140	157	157
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	772	950	302	634	806	576
Gas-diesel oil	129	5	2	104	123	14
<b>Total input</b>	901	955	304	737	929	590
<b>Total production</b>	223	238	76	187	234	148
<b>Estimated efficiency (% of production to input)</b>	25	25	25	25	25	25

## Statistics on electricity

### Nauru

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	32	35	36	36	38	*44
Combustible fuels	31	34	35	35	36	*41
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	1	1	1	2	*3
Main activity	32	35	36	36	38	*44
Combustible fuels	31	34	35	35	36	*41
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	1	1	1	2	*3
Own use in electricity, CHP and heat plants	0	0	1	1	2	*2
Net production	31	34	36	35	36	*42
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	10	9	8	4	*5	*6
Consumption	21	26	28	30	30	*36
Energy industries own use	..	..	..	..	..	..
By industry and construction	1	1	1	2	1	*1
By transport	..	..	..	..	..	..
By households and other cons.	20	25	27	28	29	*35
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	*7	*8	*14	*14	18	18
Combustible fuels	*6	*7	*13	*13	16	16
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	1	1	1	2	2
Main activity	*7	*8	*14	*14	18	18
Combustible fuels	*6	*7	*13	*13	16	16
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	1	1	1	2	2
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	343	360	344	343	344	355
<b>Total input</b>	343	360	344	343	344	355
<b>Total production</b>	113	121	126	126	129	*149
<b>Estimated efficiency (% of production to input)</b>	33	34	37	37	37	42

**Statistics on electricity**
**Nepal**

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	4177	4566	4829	6134	6189	9668
Combustible fuels	..	0	0	0	0	0
Hydro	4152	4488	4754	6061	6092	9534
Nuclear	..	..	..	..	..	..
Other	25	78	75	73	96	134
Main activity	4070	4401	4666	5942	5966	9441
Combustible fuels	..	0	0	0	0	0
Hydro	4063	4398	4663	5939	5949	9388
Nuclear	..	..	..	..	..	..
Other	7	3	3	3	17	53
Own use in electricity, CHP and heat plants	54	54	56	30	34	38
Net production	4123	4512	4773	6104	6155	9630
Imports	2175	2582	2813	1729	2806	1543
Exports	3	3	35	107	38	493
Losses	1433	1442	1149	1186	1504	1709
Consumption	4860	5646	6398	6536	7414	8966
Energy industries own use	..	..	..	..	..	..
By industry and construction	1719	2010	2422	2301	2816	3443
By transport	6	5	5	3	2	4
By households and other cons.	3135	3631	3971	4232	4596	5519
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	991	*1181	1229	1238	1395	2204
Combustible fuels	53	53	53	53	53	53
Hydro	919	*1081	1129	1129	1278	2082
Nuclear	..	..	..	..	..	..
Other	*19	*47	*47	*55	*64	69
Main activity	879	*1041	1065	1074	1187	1693
Combustible fuels	53	53	53	53	53	53
Hydro	819	*981	1005	1005	1110	1604
Nuclear	..	..	..	..	..	..
Other	*7	*7	*7	*15	*24	36
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Fuel oil	0	1	1	1	0	0
<b>Total input</b>	0	1	1	1	0	0
<b>Total production</b>	..	0	0	0	0	0
<b>Estimated efficiency (% of production to input)</b>	..	40	40	38	37	37

**Statistics on electricity**
**Netherlands (Kingd. of the)**

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	115156	117192	114264	121355	123287	122132
Combustible fuels	99996	99411	95830	99917	94795	88194
Hydro	100	61	72	74	46	88
Nuclear	3960	3402	3515	3910	4087	3828
Other	11100	14317	14847	17455	24359	30022
Main activity	92098	91977	87411	92352	88753	84815
Combustible fuels	79595	77467	73576	77022	69066	61891
Hydro	100	61	72	74	46	88
Nuclear	3960	3402	3515	3910	4087	3828
Other	8443	11046	10248	11346	15554	19009
Own use in electricity, CHP and heat plants	4178	3792	3416	3496	3407	3741
Net production	110978	113400	110849	117859	119880	118390
Imports	24258	22458	26755	20403	19773	20885
Exports	19343	18952	18785	19548	22433	20632
Losses	5434	5414	5334	5059	4744	4797
Consumption	110634	111468	113611	113340	111268	112349
Energy industries own use	5927	5714	5828	5718	4935	5177
By industry and construction	35642	35755	36287	35737	35679	35387
By transport	1921	1997	2164	2349	2300	2697
By households and other cons.	67144	68002	69332	69537	68354	69088
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	34262	33923	35110	37135	42421	47252
Combustible fuels	27266	26106	25505	24821	24066	23873
Hydro	37	37	37	37	37	37
Nuclear	485	485	485	485	485	512
Other	6474	7295	9083	11792	17833	22830
Main activity	26719	25657	24965	24782	26622	27504
Combustible fuels	22346	21186	20061	19416	18211	17304
Hydro	37	37	37	37	37	37
Nuclear	485	485	485	485	485	512
Other	3851	3949	4383	4844	7888	9652
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	306318	267976	231463	155720	69325	129631
Biogas	6248	5803	5459	5386	5045	4773
Refinery gas	13613	11643	14981	17387	14479	14325
Natural gas	415387	446471	435403	512705	514816	404722
Coke-oven gas	1547	2085	1994	2077	1698	1632
Blast furnace gas	22968	23868	22772	21745	21113	22732
Fuelwood	*16301	*15390	*11563	*24727	*53148	*70588
Vegetal waste	*5245	*6229	*9622	*9385	*7349	*8285
Municipal waste	76330	73597	70986	69207	68664	72634
Industrial waste	1295	1186	1387	1460	1205	1190
Others	559	488	487	775	361	629
<b>Total input</b>	865811	854738	806116	820575	757203	731141
<b>Total production</b>	359986	357880	344987	359700	341262	317497
<b>Estimated efficiency (% of production to input)</b>	42	42	43	44	45	43

## Statistics on electricity

### New Caledonia

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	3130	3228	3486	3334	3233	2910
Combustible fuels	2842	2794	3077	2876	2729	2256
Hydro	232	361	317	285	305	425
Nuclear	..	..	..	..	..	..
Other	57	73	92	173	199	229
Main activity	3130	1442	1409	1325	1290	1332
Combustible fuels	2842	1008	1009	887	815	732
Hydro	232	361	317	285	305	425
Nuclear	..	..	..	..	..	..
Other	57	73	83	154	169	175
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	3130	3228	3486	3334	3233	2910
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	90	68	65	61	67	66
Consumption	3040	3160	3421	3273	3166	2844
Energy industries own use	..	..	..	..	..	..
By industry and construction	2354	2488	2744	2604	2506	2177
By transport	..	..	..	..	..	..
By households and other cons.	686	672	677	669	660	667
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	1001	959	974	1022	1047	1090
Combustible fuels	875	815	811	811	811	810
Hydro	78	78	78	78	78	81
Nuclear	..	..	..	..	..	..
Other	48	66	86	134	158	199
Main activity	940	382	392	434	446	471
Combustible fuels	815	243	238	238	238	238
Hydro	78	78	78	78	78	81
Nuclear	..	..	..	..	..	..
Other	46	60	75	117	129	153
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	17157	19174	19181	21250	19185	15734
Gas-diesel oil	2700	2204	3675	1790	1600	2787
Fuel oil	16677	14584	15754	14445	13096	10296
Other kerosene	311	207	401	31	8	249
Bitumen	133	..	..	..	..	..
Other liquid biofuels	*7	2	5	4	4	4
<b>Total input</b>	36986	36171	39016	37521	33892	29069
<b>Total production</b>	10230	10060	11077	10354	9824	8123
<b>Estimated efficiency (% of production to input)</b>	28	28	28	28	29	28

## Statistics on electricity

### New Zealand

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	44164	44641	44695	45147	44530	44610
Combustible fuels	7576	9004	8029	8859	9454	9035
Hydro	25933	25173	26252	25596	24266	24232
Nuclear	..	..	..	..	..	..
Other	10655	10463	10414	10693	10811	11342
Main activity	42651	43083	43183	43511	42969	42921
Combustible fuels	6250	7648	6731	7462	8158	7657
Hydro	25929	25169	26248	25592	24262	24228
Nuclear	..	..	..	..	..	..
Other	10472	10266	10204	10457	10549	11035
Own use in electricity, CHP and heat plants	1461	1532	1441	1557	1348	1340
Net production	42703	43109	43254	43590	43182	43270
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	2955	2944	2942	3001	2956	2901
Consumption	40232	39933	39968	40319	39441	39568
Energy industries own use	731	751	695	724	663	676
By industry and construction	13816	13865	13927	14105	13373	13082
By transport	91	91	94	110	100	98
By households and other cons.	25594	25226	25252	25381	25305	25712
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	9415	9436	9483	9515	9682	9952
Combustible fuels	2236	2239	2242	2242	2346	2346
Hydro	5435	5435	5435	5443	5443	5443
Nuclear	..	..	..	..	..	..
Other	1744	1762	1806	1830	1893	2163
Main activity	9084	9083	9110	9118	9262	9485
Combustible fuels	1985	1984	1987	1987	2097	2097
Hydro	5432	5432	5432	5440	5440	5440
Nuclear	..	..	..	..	..	..
Other	1667	1667	1691	1691	1725	1948
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Brown Coal	4620	5591	9124	16623	18179	23815
Biogas	3057	3054	3021	3076	3130	3066
Gas-diesel oil	43	62	121	45	1351	308
Natural gas	49137	59596	49204	49591	53811	42909
Coke-oven gas	1854	1966	1941	2626	2454	2595
Blast furnace gas	5377	5665	5314	5492	4888	5593
Fuelwood	0	..	..	..	..	..
Vegetal waste	4870	4368	4536	3927	3944	3987
Black liquor	13663	13529	13395	13394	13310	12992
<b>Total input</b>	82621	93830	86656	94774	101067	95266
<b>Total production</b>	27274	32416	28904	31891	34034	32527
<b>Estimated efficiency (% of production to input)</b>	33	35	33	34	34	34

**Statistics on electricity**
**Nicaragua**

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	4591	4525	4636	4576	3791	4213
Combustible fuels	2728	2657	2599	2815	1873	2197
Hydro	426	468	411	227	574	599
Nuclear	..	..	..	..	..	..
Other	1437	1400	1626	1534	1343	1417
Main activity	4002	3814	3901	3686	3013	3271
Combustible fuels	2140	1946	1864	1927	1098	1259
Hydro	425	468	411	227	574	599
Nuclear	..	..	..	..	..	..
Other	1437	1400	1626	1533	1340	1414
Own use in electricity, CHP and heat plants	193	407	403	479	418	471
Net production	4398	4118	4233	4096	3373	3742
Imports	205	327	201	434	1071	1005
Exports	18	1	0	0	0	0
Losses	964	996	978	1089	1046	1110
Consumption	3665	3451	3594	3769	3653	3879
Energy industries own use	..	..	..	..	..	..
By industry and construction	1174	1147	1069	1092	1042	1194
By transport	..	..	..	..	..	..
By households and other cons.	2491	2304	2525	2677	2611	2684
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	1396	1482	1482	1620	1620	1615
Combustible fuels	912	985	985	1107	1107	1101
Hydro	142	142	142	157	157	159
Nuclear	..	..	..	..	..	..
Other	342	355	355	356	356	356
Main activity	1219	1305	1305	1401	1401	1396
Combustible fuels	735	809	809	888	888	883
Hydro	142	142	142	157	157	158
Nuclear	..	..	..	..	..	..
Other	342	355	355	356	356	356
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Biogas	..	..	..	75	71	92
Gas-diesel oil	602	602	516	509	328	495
Fuel oil	19473	17210	16483	17392	10454	11607
Bagasse	*14126	*16153	*15717	*16287	*14177	*15022
Vegetal waste	0	0	*348	*272	*306	381
<b>Total input</b>	34201	33965	33064	34535	*25336	*27597
<b>Total production</b>	9821	9565	9356	10133	6745	7910
<b>Estimated efficiency (% of production to input)</b>	29	28	28	29	27	29



## Statistics on electricity

### Niger

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	442	566	480	626	635	*658
Combustible fuels	428	552	447	593	610	*612
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	13	15	33	33	24	*46
Main activity	415	541	437	535	477	*550
Combustible fuels	415	541	437	535	465	*550
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	12	..
Own use in electricity, CHP and heat plants	68	72	38	*112	59	*98
Net production	374	494	442	514	575	*560
Imports	779	845	1253	1057	1108	1122
Exports	0	0	0	..	..	..
Losses	*208	*218	*238	313	330	*330
Consumption	*968	*1014	*1379	1239	1410	*1352
Energy industries own use	..	..	..	..	113	..
By industry and construction	*272	*285	*387	219	207	*256
By transport	..	..	..	..	..	..
By households and other cons.	*696	*729	*992	1020	1090	*1096
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	288	290	311	*324	*324	*324
Combustible fuels	280	281	291	*297	*297	*297
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	8	9	20	27	27	*27
Main activity	226	228	238	*244	*244	*244
Combustible fuels	226	228	238	*244	*244	*244
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	3721	3552	3414	3214	3784	*3856
Gas-diesel oil	2279	*2365	*2064	2322	2468	*2580
Liquefied petroleum gas	*449	*520	*572	907	946	*993
Other oil products	..	764	764	683	..	*603
Natural gas	..	..	..	1444	1586	*1487
<b>Total input</b>	6449	7202	6814	8570	8784	*9519
<b>Total production</b>	1542	1986	1610	2136	2197	*2203
<b>Estimated efficiency (% of production to input)</b>	24	28	24	25	25	23

**Statistics on electricity**
**Nigeria**

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	36511	32221	33384	33110	35059	36038
Combustible fuels	28331	24443	25657	24633	27324	28046
Hydro	8150	7747	7695	8433	7690	7943
Nuclear	..	..	..	..	..	..
Other	30	31	31	44	45	49
Main activity	30124	26691	27589	27511	28886	29698
Combustible fuels	22140	19102	20051	19250	21353	21917
Hydro	7984	7589	7538	8261	7533	7781
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	1049	926	959	952	1007	1033
Net production	35462	31295	32424	32159	34052	35005
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	5476	4833	5007	4966	5258	5406
Consumption	25594	26167	26798	27404	27866	28526
Energy industries own use	207	236	229	242	239	191
By industry and construction	3825	3817	3897	3927	3819	3946
By transport	..	..	..	..	..	..
By households and other cons.	21562	22114	22673	23235	23809	24389
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	*12535	*12275	*12275	11681	12004	13247
Combustible fuels	*10403	*10142	*10142	9539	9862	11103
Hydro	*2111	*2111	*2111	*2111	*2111	*2111
Nuclear	..	..	..	..	..	..
Other	21	22	22	31	31	33
Main activity	*9212	*9033	*9033	8430	8753	9842
Combustible fuels	*7141	*6962	*6962	6359	6682	7771
Hydro	*2071	*2071	*2071	*2071	*2071	*2071
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Natural gas	283310	244700	268629	254826	282666	290131
<b>Total input</b>	283310	244700	268629	254826	282666	290131
<b>Total production</b>	101992	87996	92366	88679	98368	100965
<b>Estimated efficiency (% of production to input)</b>	36	36	34	35	35	35

## Statistics on electricity

### Niue

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	*3	*3	*4	*4	*4	*4
Combustible fuels	*3	*3	*3	*3	*3	*3
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Main activity	*3	*3	*4	*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	*4	*4	*4	*4
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	0	0	0	*1	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	*3	*3	*3	*3
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	*2	*2	*2	*3	*3	*3
Combustible fuels	*2	*2	*2	*2	*2	*2
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	1	*1	*1
Main activity	*2	*2	*2	*3	*3	*3
Combustible fuels	*2	*2	*2	*2	*2	*2
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	1	*1	*1
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	*34	*33	*34	*34	*34	*34
<b>Total input</b>	*34	*33	*34	*34	*34	*34
<b>Total production</b>	*12	*12	*12	*12	*12	*12
<b>Estimated efficiency (% of production to input)</b>	35	36	36	36	36	36

## Statistics on electricity

### North Macedonia

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	5630	5600	5870	5870	5347	5532
Combustible fuels	3599	4356	4581	4581	3929	3926
Hydro	1897	1110	1164	1164	1277	1452
Nuclear	..	..	..	..	..	..
Other	133	134	125	125	141	154
Main activity	5630	5600	5870	5870	5347	5532
Combustible fuels	3599	4356	4581	4581	3929	3926
Hydro	1897	1110	1164	1164	1277	1452
Nuclear	..	..	..	..	..	..
Other	133	134	125	125	141	154
Own use in electricity, CHP and heat plants	358	387	389	381	327	315
Net production	5272	5213	5481	5488	5020	5216
Imports	2191	2294	2411	2411	2965	2837
Exports	160	311	583	583	639	359
Losses	1007	1004	979	979	1027	1041
Consumption	6296	6192	6330	6337	6320	6653
Energy industries own use	103	90	89	96	94	*89
By industry and construction	1653	1472	1620	1635	1642	1715
By transport	14	14	14	14	13	14
By households and other cons.	4526	4616	4606	4592	4570	4835
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	1823	1836	1839	1844	1850	*1923
Combustible fuels	1109	1111	1111	1112	1112	*1112
Hydro	660	671	674	678	684	689
Nuclear	..	..	..	..	..	..
Other	54	54	54	54	54	122
Main activity	1823	1836	1839	1844	1850	*1923
Combustible fuels	1109	1111	1111	1112	1112	*1112
Hydro	660	671	674	678	684	689
Nuclear	..	..	..	..	..	..
Other	54	54	54	54	54	122
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Brown Coal	33979	38362	40057	39673	35350	25034
Biogas	519	742	778	793	825	775
Fuel oil	1130	986	690	690	1084	1544
Natural gas	4602	6501	5901	7234	8700	11633
<b>Total input</b>	40230	46591	47426	48390	45958	38986
<b>Total production</b>	12956	15680	16492	16492	14144	14132
<b>Estimated efficiency (% of production to input)</b>	32	34	35	34	31	36

Statistics on electricity

Northern Mariana Islands

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	*387	*380	*390	*392	*293	*305
Combustible fuels	*387	*380	*390	*392	*290	*300
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	*3	*5
Main activity	*387	*380	*390	*392	*293	*305
Combustible fuels	*387	*380	*390	*392	*290	*300
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	*3	*5
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	*387	*380	*390	*392	*293	*305
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*86	*85	*86	*86	*63	*66
Consumption	*301	*295	*304	*306	*230	*239
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	*301	*295	*304	*306	*230	*239
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	95	*63	*63	*63	*65	68
Combustible fuels	95	*63	*63	*63	*63	63
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	*2	*5
Main activity	95	*63	*63	*63	*65	68
Combustible fuels	95	*63	*63	*63	*63	63
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	*2	*5
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	*4945	*4859	*4988	*5031	*3655	*3870
<b>Total input</b>	*4945	*4859	*4988	*5031	*3655	*3870
<b>Total production</b>	*1392	*1368	*1404	*1411	*1044	*1080
<b>Estimated efficiency (% of production to input)</b>	28	28	28	28	29	28

## Statistics on electricity

### Norway

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	149042	149480	147097	134907	155249	157966
Combustible fuels	3201	3190	3169	3011	2441	1301
Hydro	143417	143112	139714	126030	142471	144339
Nuclear	..	..	..	..	..	..
Other	2424	3178	4214	5866	10337	12327
Main activity	146136	146635	144175	132185	153018	156717
Combustible fuels	603	669	584	631	635	609
Hydro	143417	143112	139714	126030	142471	144339
Nuclear	..	..	..	..	..	..
Other	2116	2854	3877	5525	9913	11769
Own use in electricity, CHP and heat plants	563	717	751	831	946	719
Net production	148479	148763	146346	134076	154303	157247
Imports	5740	6111	8340	12353	4496	8235
Exports	22151	21276	18489	12309	24968	25819
Losses	7695	7629	7564	6996	6351	9634
Consumption	123440	124956	127686	126269	126550	129022
Energy industries own use	8904	9904	10605	10003	10238	9031
By industry and construction	46060	46163	46891	46824	47405	49935
By transport	852	1048	1206	1418	1649	2118
By households and other cons.	67624	67842	68984	68024	67258	67938
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	33808	34228	35416	36940	39026	40307
Combustible fuels	1073	1074	1073	1074	1069	889
Hydro	31817	31912	32530	32797	33732	34075
Nuclear	..	..	..	..	..	..
Other	918	1242	1813	3069	4225	5343
Main activity	33255	33689	34796	36268	38309	39652
Combustible fuels	520	535	521	522	512	439
Hydro	31817	31912	32530	32797	33732	34075
Nuclear	..	..	..	..	..	..
Other	918	1242	1745	2949	4065	5138
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	731	815	865	853	819	762
Biogas	130	159	130	134	57	17
Gas-diesel oil	387	235	232	171	174	92
Liquefied petroleum gas	0	0	12	12	10	39
Refinery gas	4851	5544	4507	3752	1639	5206
Natural gas	15309	14827	15198	13988	10588	4067
Blast furnace gas	1006	1255	1247	1251	867	1019
Fuelwood	309	1536	1550	1847	1750	2383
Municipal waste	8610	8576	8861	9158	8867	8049
Other liquid biofuels	0	14	8	7	4	32
Others	..	..	..	..	..	1
<b>Total input</b>	31333	32960	32609	31173	24775	21667
<b>Total production</b>	11524	11484	11410	10840	8787	4683
<b>Estimated efficiency (% of production to input)</b>	37	35	35	35	35	22

**Statistics on electricity**
**Oman**

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	34232	36130	37718	38337	38173	41122
Combustible fuels	34228	36114	37702	38320	38045	40992
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	4	16	16	17	128	*130
Main activity	34232	36130	37718	38337	38173	41122
Combustible fuels	34228	36114	37702	38320	38045	40992
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	4	16	16	17	128	*130
Own use in electricity, CHP and heat plants	620	459	497	820	1313	1608
Net production	33612	35670	37221	37517	36860	39514
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	3253	3321	3674	3721	3742	3853
Consumption	30359	32349	33547	33796	33117	35661
Energy industries own use	..	..	..	..	..	..
By industry and construction	5153	5021	5169	5092	4923	6282
By transport	..	..	..	..	..	..
By households and other cons.	25206	27328	28379	28704	28194	29379
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	8165	8228	8450	11567	11960	11920
Combustible fuels	8163	8220	8442	11508	11798	11733
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	8	8	59	162	187
Main activity	8165	8228	8450	11567	11960	11920
Combustible fuels	8163	8220	8442	11508	11798	11733
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	8	8	59	162	187
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	9632	10606	11542	12308	12308	*12900
Natural gas	304957	314281	316552	286348	277564	300178
<b>Total input</b>	314589	324887	328094	298657	289872	313078
<b>Total production</b>	123220	130011	135728	137953	136962	147572
<b>Estimated efficiency (% of production to input)</b>	39	40	41	46	47	47

**Statistics on electricity**
**Pakistan**

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	123533	134982	136461	134818	144049	144435
Combustible fuels	82458	94566	90588	82533	90212	86550
Hydro	32132	27729	32789	38802	38936	35069
Nuclear	6867	9849	9134	9861	11090	17045
Other	2076	2838	3950	3622	3811	5771
Main activity	120807	131999	133481	132384	142511	141369
Combustible fuels	79732	91583	87608	80099	88674	83484
Hydro	32132	27729	32789	38802	38936	35069
Nuclear	6867	9849	9134	9861	11090	17045
Other	2076	2838	3950	3622	3811	5771
Own use in electricity, CHP and heat plants	12533	15242	5790	1253	13889	5714
Net production	111000	119740	130671	133565	130160	138721
Imports	655	433	297	499	514	498
Exports	..	..	..	..	..	..
Losses	17823	20615	16765	17389	22986	*10521
Consumption	95530	103273	109459	113546	107687	128698
Energy industries own use	..	..	..	..	..	..
By industry and construction	24010	27398	28760	29834	25545	33001
By transport	0	..	..	..	..	..
By households and other cons.	71520	75875	80699	83712	82141	95698
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	31371	34972	37847	39885	40606	42166
Combustible fuels	21518	24325	24386	26273	26600	26092
Hydro	7115	7270	9757	9858	9912	10733
Nuclear	1090	1430	1430	1430	1770	*2870
Other	1648	1947	2274	2324	2324	2471
Main activity	30434	34012	36830	38861	39629	41438
Combustible fuels	21037	23834	23896	25776	26150	25588
Hydro	7115	7270	9757	9858	9912	10733
Nuclear	1090	1430	1430	1430	1770	*2870
Other	1192	1478	1747	1797	1797	2247
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	20662	115611	153818	280729	237867	253477
Gas-diesel oil	11954	7955	1118	1118	4231	10578
Fuel oil	299021	*249591	*111948	*113039	*93332	*149682
Natural gas	361882	478796	444249	372492	382277	423244
Bagasse	*24264	*24480	*23208	*13464	*17064	*19776
<b>Total input</b>	717783	876433	734341	780842	734771	856758
<b>Total production</b>	296849	340438	326117	297119	324763	311580
<b>Estimated efficiency (% of production to input)</b>	41	39	44	38	44	36



**Statistics on electricity**
**Palau**

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	*94	*98	*96	97	*98	98
Combustible fuels	*90	*94	*92	91	*92	92
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	4	*4	*4	*6	*6	*6
Main activity	*88	*90	*86	85	*86	86
Combustible fuels	*84	*86	*82	79	*80	80
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	4	*4	*4	*6	*6	*6
Own use in electricity, CHP and heat plants	*6	*5	*5	*3	*3	*3
Net production	*88	*93	*91	94	*95	95
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*4	*9	*5	*5	*7	*7
Consumption	*76	*84	*86	*89	*88	*88
Energy industries own use	..	..	..	..	..	..
By industry and construction	*6	*6	*6	*6	*6	*6
By transport	..	..	..	..	..	..
By households and other cons.	*70	*78	*80	*83	*82	*82
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	40	*40	*40	*41	*41	*41
Combustible fuels	39	*39	*39	*39	*39	*39
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	1	2	3	*3	*3
Main activity	38	*38	*38	*39	*39	*39
Combustible fuels	37	*37	*37	*37	*37	*37
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	1	2	3	*3	*3
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	*922	*976	*961	*939	*968	*968
<b>Total input</b>	*922	*976	*961	*939	*968	*968
<b>Total production</b>	*323	*338	*330	326	*331	331
<b>Estimated efficiency (% of production to input)</b>	35	35	34	35	34	34

## Statistics on electricity

### Panama

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	10885	11153	11465	13050	12949	14197
Combustible fuels	3666	3118	2556	6806	4517	4429
Hydro	6523	7388	8065	5196	7502	8625
Nuclear	..	..	..	..	..	..
Other	697	647	844	1048	930	1142
Main activity	10853	10928	11130	12812	12655	13769
Combustible fuels	3634	3028	2454	6696	4405	4312
Hydro	6523	7254	7855	5096	7349	8342
Nuclear	..	..	..	..	..	..
Other	697	647	821	1019	901	1115
Own use in electricity, CHP and heat plants	207	308	420	415	401	537
Net production	10678	10845	11046	12635	12547	13660
Imports	30	7	13	77	117	63
Exports	398	318	326	427	567	502
Losses	1512	1448	1404	1199	1165	1152
Consumption	8761	9104	9347	11073	11071	12193
Energy industries own use	..	9	8	8	7	7
By industry and construction	647	651	617	605	461	585
By transport	37	41	41	54	70	80
By households and other cons.	8077	8403	8681	10406	10533	11521
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	3371	3426	4175	4142	4157	4089
Combustible fuels	1243	1233	1917	1827	1827	1534
Hydro	1769	1780	1779	1821	1821	1821
Nuclear	..	..	..	..	..	..
Other	359	413	479	493	508	734
Main activity	3131	3326	4052	4014	4029	3960
Combustible fuels	1063	1193	1874	1784	1784	1488
Hydro	1709	1720	1719	1761	1761	1761
Nuclear	..	..	..	..	..	..
Other	359	413	459	468	483	711
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	8075	2252	5642	23137	24894	23122
Gas-diesel oil	1935	688	258	258	387	903
Fuel oil	21312	12847	6343	7191	1656	2222
Natural gas	..	..	10878	33835	18243	21785
Bagasse	4001	2168	3402	2573	2785	2682
<b>Total input</b>	35324	17955	26523	66995	47966	50714
<b>Total production</b>	13199	11226	9202	24502	16262	15946
<b>Estimated efficiency (% of production to input)</b>	37	63	35	37	34	31

Statistics on electricity

Papua New Guinea

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	*4413	*4336	*4333	*4625	*4300	*4824
Combustible fuels	*2986	*2896	*3079	*3104	*2819	*3134
Hydro	1005	1018	830	1095	1077	1260
Nuclear	..	..	..	..	..	..
Other	422	422	424	426	405	*430
Main activity	1274	1291	1376	1642	1700	2026
Combustible fuels	622	622	753	752	818	1011
Hydro	650	667	621	886	877	1010
Nuclear	..	..	..	..	..	..
Other	2	2	2	4	5	5
Own use in electricity, CHP and heat plants	*1	0	0	0	0	0
Net production	*4412	*4336	*4333	*4625	*4300	*4824
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*365	372	384	372	361	*380
Consumption	4047	3964	3949	4252	3940	*4444
Energy industries own use	..	..	..	..	..	..
By industry and construction	2931	2778	2778	3056	2778	*3333
By transport	..	..	..	..	..	..
By households and other cons.	*1117	*1186	*1171	*1197	*1162	*1111
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	*971	*971	*1102	*1265	1058	1058
Combustible fuels	*656	*656	*750	*919	748	748
Hydro	*258	*258	295	295	258	258
Nuclear	..	..	..	..	..	..
Other	57	57	57	51	51	51
Main activity	*363	*369	*501	*670	565	565
Combustible fuels	*206	*206	*300	*469	382	382
Hydro	*155	*162	200	200	181	181
Nuclear	..	..	..	..	..	..
Other	1	1	1	1	*1	*1
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	3894	4194	6824	6155	5234	*5864
Fuel oil	22693	20179	27047	24535	21018	*21805
Natural gas	9351	9676	7443	6885	11211	*11211
Bagasse	84	84	84	84	84	*156
<b>Total input</b>	36021	34134	41398	37658	37546	*39037
<b>Total production</b>	*10749	*10427	*11083	*11173	*10148	*11282
<b>Estimated efficiency (% of production to input)</b>	30	31	27	30	27	29

**Statistics on electricity**
**Paraguay**

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	63771	59685	59212	49448	46373	40576
Combustible fuels	1	2	2	2	2	2
Hydro	63770	59684	59211	49446	46371	40574
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	63771	59685	59212	49448	46373	40576
Combustible fuels	1	2	2	2	2	2
Hydro	63770	59684	59211	49446	46371	40574
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	523	495	483	390	422	280
Net production	63248	59190	58730	49058	45951	40297
Imports	..	..	..	..	..	..
Exports	48415	43635	42205	31748	28005	21719
Losses	3821	4000	4021	4470	4227	4871
Consumption	11012	11555	12504	12840	13719	13706
Energy industries own use	..	..	..	..	..	..
By industry and construction	2175	2348	2436	2391	2379	2451
By transport	..	..	..	..	..	..
By households and other cons.	8837	9207	10068	10449	11340	11255
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	8761	8761	8761	8761	8761	8761
Combustible fuels	1	1	1	1	1	1
Hydro	8760	8760	8760	8760	8760	8760
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	8761	8761	8761	8761	8761	8761
Combustible fuels	1	1	1	1	1	1
Hydro	8760	8760	8760	8760	8760	8760
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	17	20	21	24	22	22
<b>Total input</b>	17	20	21	24	22	22
<b>Total production</b>	5	5	6	7	7	7
<b>Estimated efficiency (% of production to input)</b>	27	27	27	31	31	33

## Statistics on electricity

### Peru

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	52277	52743	54982	57038	52803	56836
Combustible fuels	26188	22265	21946	23088	19624	22261
Hydro	24785	29075	30737	31462	30510	31890
Nuclear	..	..	..	..	..	..
Other	1305	1403	2299	2488	2670	2685
Main activity	50018	50345	52368	54464	50673	54485
Combustible fuels	24577	20591	20125	21261	18169	20593
Hydro	24136	28393	29989	30769	29895	31268
Nuclear	..	..	..	..	..	..
Other	1305	1361	2253	2434	2608	2623
Own use in electricity, CHP and heat plants	1388	752	743	856	780	663
Net production	50889	51991	54239	56182	52024	56172
Imports	22	17	21	60	37	43
Exports	38	0	..	..	..	..
Losses	5484	5543	5969	6411	6414	6634
Consumption	45390	46465	48292	49831	45647	49490
Energy industries own use	..	..	..	..	..	..
By industry and construction	26055	26716	27832	28695	25596	27751
By transport	46	53	60	75	77	83
By households and other cons.	19290	19696	20401	21061	19974	21656
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	14517	14775	15214	15162	15229	15382
Combustible fuels	8988	9005	9154	9062	9072	9131
Hydro	5189	5246	5363	5397	5417	5514
Nuclear	..	..	..	..	..	..
Other	340	524	697	703	740	738
Main activity	13044	13239	13651	13650	13790	13861
Combustible fuels	7632	7639	7762	7723	7807	7782
Hydro	5072	5116	5232	5266	5286	5384
Nuclear	..	..	..	..	..	..
Other	340	484	657	661	698	696
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	12096	9015	4735	5662	5075	6108
Biogas	1906	391	484	576	504	572
Gas-diesel oil	11048	15232	7825	6861	1911	1767
Fuel oil	6572	5828	5821	5824	3406	3434
Refinery gas	0	..	..	..	..	..
Natural gas	199607	165558	168231	177697	150433	189545
Bagasse	11792	17599	13390	14490	14183	*14209
Biodiesel	473	762	391	343	96	110
<b>Total input</b>	243493	214384	200877	211453	175606	215745
<b>Total production</b>	94275	80154	79005	83119	70645	80139
<b>Estimated efficiency (% of production to input)</b>	39	37	39	39	40	37

**Statistics on electricity**
**Philippines**

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	91789	95747	101223	107517	103215	107574
Combustible fuels	70519	73554	78985	86496	82851	84952
Hydro	8128	9628	9401	8043	7209	9202
Nuclear	..	..	..	..	..	..
Other	13143	12565	12837	12979	13156	13421
Main activity	90798	94371	99765	106042	101756	106115
Combustible fuels	69544	72195	77544	85038	81408	83509
Hydro	8111	9611	9384	8026	7192	9185
Nuclear	..	..	..	..	..	..
Other	13143	12565	12837	12979	13156	13421
Own use in electricity, CHP and heat plants	9314	9655	9589	10333	10171	8981
Net production	82475	86092	91634	97184	93044	98594
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	8286	8262	9007	9994	9742	*9969
Consumption	74154	77793	82617	87118	83243	88625
Energy industries own use	..	..	..	..	..	..
By industry and construction	24119	25573	27587	28194	25566	27623
By transport	103	112	105	106	76	97
By households and other cons.	49933	52108	54925	58818	57600	60905
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	21869	23341	24464	26187	26899	24639
Combustible fuels	15127	16470	17480	19135	19713	17893
Hydro	3634	3643	3717	3776	3795	3532
Nuclear	..	..	..	..	..	..
Other	3108	3228	3267	3276	3390	3214
Main activity	21425	22728	23815	25531	26250	23990
Combustible fuels	14699	15873	16847	18495	19080	17260
Hydro	3618	3627	3701	3760	3779	3516
Nuclear	..	..	..	..	..	..
Other	3108	3228	3267	3276	3390	3214
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Brown Coal	425312	514939	575508	632054	657530	701340
Gas-diesel oil	21251	17402	16473	17931	12780	9576
Fuel oil	31666	24284	15013	16148	9223	7825
Natural gas	146239	146138	157703	161726	145863	128016
Bagasse	9867	13825	15094	14144	17311	16077
Municipal waste	447	527	543	634	467	274
Biodiesel	372	307	321	346	226	391
<b>Total input</b>	635153	717423	780654	842984	843401	863499
<b>Total production</b>	253867	264794	284345	311384	298262	305825
<b>Estimated efficiency (% of production to input)</b>	40	37	36	37	35	35

**Statistics on electricity**
**Poland**

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	166635	170465	170039	163989	158043	179631
Combustible fuels	151234	152295	154428	145269	137254	156279
Hydro	2622	3034	2387	2665	2937	3101
Nuclear	..	..	..	..	..	..
Other	12779	15136	13224	16055	17852	20252
Main activity	156178	158554	155193	146774	139247	160634
Combustible fuels	140971	140614	140010	129006	120513	141302
Hydro	2619	3030	2384	2662	2934	3099
Nuclear	..	..	..	..	..	..
Other	12588	14909	12799	15107	15800	16234
Own use in electricity, CHP and heat plants	14632	15596	14780	12626	11892	12830
Net production	152003	154869	155260	151363	146151	166801
Imports	14017	13271	13816	17868	20624	15100
Exports	12018	10984	8121	7245	7357	14212
Losses	9495	9996	8894	8951	9995	9250
Consumption	144507	147160	152060	153035	149422	158438
Energy industries own use	11668	11372	11591	12623	12101	14750
By industry and construction	51210	54543	56424	56675	55272	56307
By transport	3287	3326	3469	3413	3174	3392
By households and other cons.	78342	77919	80575	80323	78876	83989
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	38105	42850	43046	43440	49368	52834
Combustible fuels	29783	34412	34314	33638	36715	36053
Hydro	2386	2390	2391	2397	2400	2398
Nuclear	..	..	..	..	..	..
Other	5936	6048	6340	7405	10254	14383
Main activity	36027	40077	39377	38760	42336	42302
Combustible fuels	27895	31929	31220	30526	33638	32937
Hydro	2385	2390	2391	2397	2399	2397
Nuclear	..	..	..	..	..	..
Other	5747	5758	5766	5838	6298	6967
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	938903	953273	944114	875581	788395	926272
Brown Coal	485377	503717	483381	395678	368363	433426
Biogas	7231	8216	8582	8623	9597	9655
Fuel oil	16443	14890	12711	12489	13487	14571
Natural gas	68953	83638	102753	117539	135750	131214
Coke-oven gas	24895	22961	23502	22651	18713	22250
Blast furnace gas	14630	15884	16215	13887	11370	11756
Fuelwood	14680	5481	6824	6687	5335	26254
Vegetal waste	56943	48172	48202	60495	68433	41507
Municipal waste	3959	6497	8918	11039	12170	12037
Others	5735	3904	5168	4612	4961	4864
<b>Total input</b>	1637749	1666632	1660369	1529281	1436575	1633804
<b>Total production</b>	544442	548263	555940	522968	494115	562603
<b>Estimated efficiency (% of production to input)</b>	33	33	33	34	34	34

## Statistics on electricity

### Portugal

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	60328	59432	59636	53154	53078	50980
Combustible fuels	29903	38344	32155	27687	25214	21894
Hydro	16909	7632	13628	10243	13633	13455
Nuclear	..	..	..	..	..	..
Other	13516	13456	13853	15225	14231	15631
Main activity	52123	50996	51312	44477	44201	42485
Combustible fuels	22104	30392	24341	19689	17319	14461
Hydro	16889	7621	13610	10225	13615	13440
Nuclear	..	..	..	..	..	..
Other	13130	12983	13362	14563	13267	14584
Own use in electricity, CHP and heat plants	1466	1763	1439	969	800	617
Net production	58862	57669	58197	52185	52278	50362
Imports	4616	5506	5668	8099	7553	9544
Exports	9701	8190	8325	4700	6097	4791
Losses	4901	5101	5060	4948	4501	4942
Consumption	48880	49884	50480	50637	49166	50100
Energy industries own use	2485	3243	2521	2758	2912	2779
By industry and construction	15645	16143	16397	16696	16067	16629
By transport	431	485	491	494	430	472
By households and other cons.	30319	30013	31071	30690	29757	30220
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	20613	20933	21186	21575	21655	21344
Combustible fuels	7990	7975	8080	8160	8163	6987
Hydro	6960	7226	7236	7262	7241	7255
Nuclear	..	..	..	..	..	..
Other	5663	5733	5869	6153	6252	7102
Main activity	18570	18849	18950	19166	19156	18714
Combustible fuels	6209	6205	6208	6281	6278	5098
Hydro	6954	7220	7230	7256	7235	7249
Nuclear	..	..	..	..	..	..
Other	5407	5424	5511	5629	5642	6367
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	118603	135512	112417	52058	28657	9427
Biogas	2996	3224	3127	3068	3168	3349
Gas-diesel oil	774	790	740	697	699	687
Fuel oil	9938	9362	8647	9279	8660	8246
Refinery gas	396	469	525	628	797	1764
Natural gas	110638	155584	133961	146170	147715	130247
Fuelwood	*15464	*12422	*10686	*15008	*20958	*21167
Vegetal waste	*2483	*5061	*7397	*6295	*4905	*7396
Municipal waste	8680	8738	8120	8666	8341	8867
Black liquor	*7751	*9033	*9138	*8413	*8761	*9793
Others	182	172	169	163	162	219
<b>Total input</b>	277905	340367	294928	250448	232823	201162
<b>Total production</b>	107651	138039	115758	99674	90772	78817
<b>Estimated efficiency (% of production to input)</b>	39	41	39	40	39	39



## Statistics on electricity

### Puerto Rico

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	20644	16361	17453	18886	18774	19184
Combustible fuels	20262	16002	17226	18444	18321	18705
Hydro	71	51	38	41	51	40
Nuclear	..	..	..	..	..	..
Other	311	308	189	401	402	439
Main activity	20394	16151	17233	18656	18542	18951
Combustible fuels	20012	15792	17006	18214	18089	18472
Hydro	71	51	38	41	51	40
Nuclear	..	..	..	..	..	..
Other	311	308	189	401	402	439
Own use in electricity, CHP and heat plants	764	663	664	670	632	646
Net production	19880	15698	16789	18217	18142	18538
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*1239	*982	*524	*1133	*1126	*1200
Consumption	17311	13559	16375	16077	16035	16269
Energy industries own use	..	..	..	..	..	..
By industry and construction	2250	1741	2128	2048	1910	1853
By transport	..	..	..	..	..	..
By households and other cons.	15061	11817	14246	14029	14126	14416
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	6257	*6264	5830	6173	6107	6107
Combustible fuels	5900	*5900	5466	5808	5742	5742
Hydro	99	99	99	99	99	98
Nuclear	..	..	..	..	..	..
Other	258	266	266	267	267	*267
Main activity	6196	*6203	5770	6113	6047	6047
Combustible fuels	5839	*5839	5406	5748	5682	5682
Hydro	99	99	99	99	99	98
Nuclear	..	..	..	..	..	..
Other	258	266	266	267	267	*267
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	37240	26195	29113	40540	35099	32889
Biogas	*89	*139	*136	*195	*121	175
Fuel oil	96972	85616	78235	73249	107084	79439
Natural gas	66336	50727	66336	74140	54629	78042
<b>Total input</b>	200636	162677	173819	188124	196933	190545
<b>Total production</b>	72942	57607	62013	66399	65957	67339
<b>Estimated efficiency (% of production to input)</b>	36	35	36	35	33	35

## Statistics on electricity

### Qatar

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	42307	45555	47913	49873	49259	51641
Combustible fuels	42307	45555	47913	49873	49259	51641
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	2550	2742	1533	1930	2759	1637
Combustible fuels	2550	2742	1533	1930	2759	1637
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	2642	2831	3259	3440	3434	3312
Net production	39665	42724	44654	46432	45825	48329
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	2532	2695	2786	2772	2774	2925
Consumption	37134	40030	*41868	*43660	43089	45404
Energy industries own use	..	..	..	..	..	..
By industry and construction	12026	11262	12197	12124	10465	10967
By transport	..	..	..	..	..	..
By households and other cons.	25108	28768	*29671	*31536	32625	34437
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	*8559	*10170	*10590	*10590	*10590	10576
Combustible fuels	*8559	*10170	*10590	*10590	*10590	10576
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*1284	*1526	*1553	*1553	*1553	1553
Combustible fuels	*1284	*1526	*1553	*1553	*1553	1553
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Natural gas	407605	438866	452056	472908	473104	487126
<b>Total input</b>	407605	438866	452056	472908	473104	487126
<b>Total production</b>	152305	163998	172487	179542	177332	185909
<b>Estimated efficiency (% of production to input)</b>	37	37	38	38	37	38