

## Statistics on electricity

### Gabon

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	2338	2278	2295	2306	2423	2344
Combustible fuels	1383	1347	1307	1318	1434	1356
Hydro	953	929	987	987	987	987
Nuclear	..	..	..	..	..	..
Other	2	2	2	2	2	2
Main activity	2112	2043	2069	2085	2179	2135
Combustible fuels	1159	1119	1088	1104	1198	1154
Hydro	953	924	981	981	981	981
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	102	102	96	101	106	99
Net production	2236	2176	2199	2205	2317	2245
Imports	344	456	511	511	511	528
Exports	..	..	..	..	..	..
Losses	518	431	469	406	505	432
Consumption	2062	2201	2241	2311	2323	2340
Energy industries own use	45	46	47	47	49	17
By industry and construction	547	648	653	679	666	676
By transport	8	8	8	8	8	13
By households and other cons.	1462	1499	1532	1576	1599	1634
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	523	533	751	*784	*784	*784
Combustible fuels	352	359	418	*451	*451	*451
Hydro	170	173	332	332	332	332
Nuclear	..	..	..	..	..	..
Other	*1	*1	*1	*1	*1	*1
Main activity	452	460	663	*696	*696	*696
Combustible fuels	282	289	333	*366	*366	*366
Hydro	170	171	330	330	330	330
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	2666	2271	2230	1826	2320	2754
Natural gas	14964	15253	12938	13147	13154	13323
Fuelwood	332	334	*336	*348	*353	*354
<b>Total input</b>	17962	17858	15504	15321	15827	16430
<b>Total production</b>	4979	4849	4704	4743	5163	4881
<b>Estimated efficiency (% of production to input)</b>	28	27	30	31	33	30

## Statistics on electricity

### Gambia

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	302	317	394	462	485	516
Combustible fuels	299	314	388	456	478	510
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*4	*4	*6	6	6	6
Main activity	265	280	356	425	447	478
Combustible fuels	262	277	351	418	440	472
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*4	*4	*6	6	6	6
Own use in electricity, CHP and heat plants	*11	*12	*17	*21	*61	76
Net production	291	305	377	442	424	440
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*58	*68	*80	*95	*99	*102
Consumption	*233	*237	*297	*347	*325	*338
Energy industries own use	..	..	..	..	..	..
By industry and construction	*39	*40	*52	*60	*63	*65
By transport	..	..	..	..	..	..
By households and other cons.	*193	*197	*245	*287	*262	*273
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	*121	*121	*126	*137	142	*162
Combustible fuels	*117	*118	*123	*134	138	*158
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	3	3	3	4	4	4
Main activity	*86	*86	*90	*102	106	*126
Combustible fuels	*82	*82	*87	*98	102	*122
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	3	3	3	4	4	4
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	*2507	*2593	*3156	*3677	*3913	*4051
Fuel oil	*889	*929	*1172	*1414	*1495	*1535
<b>Total input</b>	*3396	*3522	*4328	*5091	*5408	*5586
<b>Total production</b>	1075	1129	1397	1642	1722	1837
<b>Estimated efficiency (% of production to input)</b>	32	32	32	32	32	33

**Statistics on electricity**
**Georgia**

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	11574	11531	12149	11857	11160	12645
Combustible fuels	2236	2233	2115	2840	2821	2380
Hydro	9329	9210	9949	8932	8248	10182
Nuclear	..	..	..	..	..	..
Other	9	88	84	85	91	83
Main activity	11574	11531	12149	11857	11160	12645
Combustible fuels	2236	2233	2115	2840	2821	2380
Hydro	9329	9210	9949	8932	8248	10182
Nuclear	..	..	..	..	..	..
Other	9	88	84	85	91	83
Own use in electricity, CHP and heat plants	209	215	215	236	216	214
Net production	11365	11316	11934	11620	10944	12432
Imports	1329	1751	1522	1763	1712	3190
Exports	1409	940	602	380	256	1575
Losses	784	904	886	918	888	892
Consumption	10501	11224	11950	12085	11512	13155
Energy industries own use	14	15	13	26	33	37
By industry and construction	2902	3295	3306	3253	3126	3562
By transport	301	337	366	419	237	223
By households and other cons.	7284	7578	8266	8388	8116	9333
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	3299	3592	3591	3712	3739	4272
Combustible fuels	849	849	876	1108	990	1001
Hydro	2430	2723	2695	2583	2727	3250
Nuclear	..	..	..	..	..	..
Other	20	20	20	21	21	21
Main activity	3299	3592	3591	3712	3739	4272
Combustible fuels	849	849	876	1108	990	1001
Hydro	2430	2723	2695	2583	2727	3250
Nuclear	..	..	..	..	..	..
Other	20	20	20	21	21	21
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Brown Coal	451	634	359	0	..	..
Gas-diesel oil	0	..	..	..	..	..
Natural gas	20080	20408	19304	26653	24195	19504
<b>Total input</b>	20530	21042	19662	26653	24195	19504
<b>Total production</b>	8048	8039	7614	10225	10155	8567
<b>Estimated efficiency (% of production to input)</b>	39	38	39	38	42	44

## Statistics on electricity

### Germany

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	650450	653723	640468	606917	575462	588343
Combustible fuels	419596	404286	385445	334214	302330	328342
Hydro	26135	26155	23863	25671	25275	24973
Nuclear	84634	76324	76005	75071	64382	69130
Other	120085	146958	155155	171961	183475	165898
Main activity	595587	596946	585511	553581	522452	533552
Combustible fuels	366199	348797	331660	281896	250491	274737
Hydro	25959	25983	23776	25573	25191	24873
Nuclear	84634	76324	76005	75071	64382	69130
Other	118795	145842	154070	171041	182388	164812
Own use in electricity, CHP and heat plants	36717	34670	34817	31053	27800	29855
Net production	613733	619053	605651	575864	547662	558488
Imports	28338	27842	31727	40126	47853	51731
Exports	78863	80301	80463	72793	66882	70306
Losses	25759	27024	26661	27474	26939	26582
Consumption	537449	539570	530254	515723	501693	513331
Energy industries own use	20494	20617	20860	19208	19466	18708
By industry and construction	230574	232227	230724	223267	211629	217765
By transport	11739	11957	12087	11605	11534	12868
By households and other cons.	274642	274769	266583	261643	259064	263990
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	208217	215326	227945	231489	233726	242105
Combustible fuels	95716	95134	102180	100524	98311	99241
Hydro	11207	11120	10684	10733	10808	10844
Nuclear	10799	10799	10799	9525	8113	8113
Other	90495	98273	104282	110707	116494	123907
Main activity	197629	203747	216807	220320	222575	230863
Combustible fuels	85409	83824	91301	89570	87357	88178
Hydro	11164	11078	10652	10698	10773	10809
Nuclear	10799	10799	10799	9525	8113	8113
Other	90257	98046	104055	110527	116332	123763
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	1090750	875477	801479	600095	461406	572708
Brown Coal	1411719	1394434	1354287	1064141	857632	1014964
Biogas	238590	238280	238366	236928	242451	211760
Other oil products	21507	21467	18974	17688	17527	15598
Natural gas	707551	749713	720855	780525	824084	827301
Coke-oven gas	24647	27371	27192	24384	22609	21158
Blast furnace gas	73166	71768	66613	63736	54392	65687
Fuelwood	*121485	*119451	*124895	*125813	*130083	*126231
Municipal waste	194092	196030	186036	182412	184468	189270
Industrial waste	22892	21245	13456	15265	12147	12911
Others	59415	57980	55690	54529	48219	47194
<b>Total input</b>	3965815	3773217	3607843	3165516	2855019	3104781
<b>Total production</b>	1510546	1455430	1387602	1203170	1088388	1182032
<b>Estimated efficiency (% of production to input)</b>	38	39	38	38	38	38

## Statistics on electricity

### Ghana

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	13203	14248	16425	18368	20170	22051
Combustible fuels	7615	8604	10375	11065	12820	14408
Hydro	5561	5616	6017	7252	7293	7521
Nuclear	..	..	..	..	..	..
Other	27	28	33	52	57	122
Main activity	13023	14068	16245	18188	20170	22051
Combustible fuels	7435	8424	10195	10885	12820	14408
Hydro	5561	5616	6017	7252	7293	7521
Nuclear	..	..	..	..	..	..
Other	27	28	33	52	57	122
Own use in electricity, CHP and heat plants	180	181	179	180	0	723
Net production	13023	14067	16246	18188	20170	21328
Imports	745	320	140	127	58	44
Exports	187	268	740	1430	1801	1734
Losses	876	805	1192	1184	1286	1571
Consumption	12528	13036	14401	15232	16531	18067
Energy industries own use	..	..	..	..	..	..
By industry and construction	4611	4583	5029	5260	5499	5746
By transport	7	8	9	11	12	6
By households and other cons.	7910	8446	9362	9962	11020	12316
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	4005	4609	5099	5382	5288	5449
Combustible fuels	2402	3006	3476	3759	3649	3753
Hydro	1580	1580	1580	1580	1580	1584
Nuclear	..	..	..	..	..	..
Other	23	23	43	43	59	112
Main activity	3795	4399	4889	5172	5288	5449
Combustible fuels	2192	2796	3266	3549	3649	3753
Hydro	1580	1580	1580	1580	1580	1584
Nuclear	..	..	..	..	..	..
Other	23	23	43	43	59	112
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Crude oil	25380	10448	42	5752	2182	2172
Gas-diesel oil	..	1327	613	489	1230	128
Fuel oil	..	..	..	..	..	3160
Liquefied petroleum gas	..	3888	5015	1881	..	..
Natural gas	28072	44757	55851	78499	115727	114913
<b>Total input</b>	53452	60420	61521	86620	119139	120373
<b>Total production</b>	27414	30974	37350	39834	46153	51868
<b>Estimated efficiency (% of production to input)</b>	51	51	61	46	39	43

## Statistics on electricity

### Gibraltar

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	214	214	215	220	215	233
Combustible fuels	214	213	215	220	215	233
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Main activity	214	214	215	220	215	233
Combustible fuels	214	213	215	220	215	233
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Own use in electricity, CHP and heat plants	4	4	4	4	4	5
Net production	210	209	211	215	210	228
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	6	6	7	7	7	7
Consumption	204	203	205	209	204	221
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	204	203	205	209	204	221
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	*43	*43	*43	*50	*50	*50
Combustible fuels	*43	*43	*43	*50	*50	*50
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Main activity	*43	*43	*43	*50	*50	*50
Combustible fuels	*43	*43	*43	*50	*50	*50
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Fuel oil	2060	2065	2079	1411	..	..
Natural gas	..	..	..	732	2145	2331
<b>Total input</b>	2060	2065	2079	2144	2145	2331
<b>Total production</b>	770	769	775	791	772	839
<b>Estimated efficiency (% of production to input)</b>	37	37	37	37	36	36

## Statistics on electricity

### Greece

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	54439	55266	53263	48626	48252	54715
Combustible fuels	39798	41698	37412	32880	31055	33020
Hydro	5565	4040	5760	4051	3440	5961
Nuclear	..	..	..	..	..	..
Other	9076	9528	10091	11695	13757	15734
Main activity	52492	53333	51048	46146	45539	51920
Combustible fuels	37851	39765	35197	30400	28342	30225
Hydro	5565	4040	5760	4051	3440	5961
Nuclear	..	..	..	..	..	..
Other	9076	9528	10091	11695	13757	15734
Own use in electricity, CHP and heat plants	4212	4677	3179	3069	2917	1659
Net production	50227	50589	50084	45557	45335	53056
Imports	9833	8696	8550	11067	9831	7581
Exports	1037	2459	2272	1123	967	3897
Losses	3957	1102	5242	3692	5213	5612
Consumption	55066	55724	51120	51809	48985	50637
Energy industries own use	1703	1755	1650	1611	1456	1395
By industry and construction	11285	12284	12414	12308	11857	12170
By transport	186	188	202	203	174	195
By households and other cons.	41892	41497	36854	37687	35498	36877
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	19165	19426	19581	20478	20795	20716
Combustible fuels	10799	10804	10643	10643	9971	8368
Hydro	3392	3392	3409	3412	3417	3421
Nuclear	..	..	..	..	..	..
Other	4974	5230	5529	6423	7407	8927
Main activity	18597	18855	19014	19910	20227	20148
Combustible fuels	10231	10234	10076	10076	9404	7801
Hydro	3392	3392	3409	3412	3417	3421
Nuclear	..	..	..	..	..	..
Other	4974	5230	5529	6423	7407	8927
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Brown Coal	174176	192615	185398	125530	69652	63980
Biogas	3623	3710	3790	3752	4147	3855
Gas-diesel oil	11911	13944	11777	9112	8526	7752
Fuel oil	25816	36667	36378	36324	31172	32955
Liquefied petroleum gas	2034	189	..	..	..	1
Refinery gas	14850	6647	7103	10301	10044	7356
Natural gas	103888	132678	125276	140266	148654	173465
Fuelwood	*138	*145	*205	*784	*1104	*1055
Industrial waste	1364	0	1213	1758	405	329
Biodiesel	..	7	0	1	3	3
<b>Total input</b>	337800	386602	371141	327827	273706	290752
<b>Total production</b>	143273	150112	134683	118370	111797	118871
<b>Estimated efficiency (% of production to input)</b>	42	39	36	36	41	41

## Statistics on electricity

### Greenland

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	490	518	550	531	566	569
Combustible fuels	89	130	*132	*122	*136	*137
Hydro	401	388	418	409	431	433
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	490	518	550	531	566	569
Combustible fuels	89	130	*132	*122	*136	*137
Hydro	401	388	418	409	431	433
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	15	16	*16	*16	*17	*17
Net production	476	502	533	515	549	552
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*12	13	*10	*10	*10	*12
Consumption	320	328	343	331	351	353
Energy industries own use	..	..	..	..	..	..
By industry and construction	51	52	52	48	53	*54
By transport	..	..	..	..	..	..
By households and other cons.	269	275	291	283	299	298
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	*187	187	*187	*187	*187	*187
Combustible fuels	*96	96	*96	*96	*96	*96
Hydro	91	91	91	91	91	91
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	171	171	171	171	171	171
Combustible fuels	*80	80	*80	*80	*80	*80
Hydro	91	91	91	91	91	91
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	1074	1107	1203	1102	1174	*1175
Municipal waste	94	94	98	110	103	102
<b>Total input</b>	1168	1201	1301	1212	1277	*1277
<b>Total production</b>	322	467	*475	*440	*489	*492
<b>Estimated efficiency (% of production to input)</b>	28	39	37	36	38	39

## Statistics on electricity

### Grenada

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	220	227	235	245	227	229
Combustible fuels	218	223	231	241	223	225
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	3	3	4	4	4	*5
Main activity	216	220	228	238	220	221
Combustible fuels	216	220	228	238	220	221
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	5	6	6	7	7	8
Net production	215	220	228	238	220	222
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	16	18	16	15	16	15
Consumption	199	203	212	223	204	207
Energy industries own use	..	..	..	..	..	..
By industry and construction	6	5	6	6	6	6
By transport	..	..	..	..	..	..
By households and other cons.	193	197	206	217	198	201
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	55	55	57	58	56	59
Combustible fuels	52	52	54	54	52	56
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	2	3	3	4	4
Main activity	52	52	54	54	52	55
Combustible fuels	52	52	54	54	52	55
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	1944	2016	2173	*2343	2020	2178
<b>Total input</b>	1944	2016	2173	*2343	2020	2178
<b>Total production</b>	783	804	831	869	802	808
<b>Estimated efficiency (% of production to input)</b>	40	40	38	37	40	37

Statistics on electricity

Guam

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	1720	1760	1715	1724	1683	*1712
Combustible fuels	1653	1700	1646	1655	1614	*1643
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	67	60	68	68	68	*68
Main activity	1705	1752	1698	1707	1667	*1695
Combustible fuels	1653	1700	1646	1655	1614	*1643
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	52	52	52	52	52	*52
Own use in electricity, CHP and heat plants	65	66	63	67	66	*67
Net production	1655	1694	1652	1657	1617	*1645
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	81	84	85	88	94	90
Consumption	1574	1610	1567	1568	1523	1555
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	1574	1610	1567	1568	1523	1555
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	507	457	458	459	461	463
Combustible fuels	472	420	420	420	420	420
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	35	37	38	39	41	43
Main activity	498	446	446	445	445	446
Combustible fuels	472	420	420	420	420	420
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	26	26	26	25	25	26
<b>Combustible fuel input</b>	<b>Terajoules</b>					
<b>Total input</b>	..	..	..	..	..	..
<b>Total production</b>	5951	6119	5926	5958	5812	*5916
<b>Estimated efficiency (% of production to input)</b>	..	..	..	..	..	..

## Statistics on electricity

### Guatemala

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	11789	12272	13568	*14083	12835	*14420
Combustible fuels	7122	5816	7572	*8855	*6004	*7954
Hydro	3971	5787	5218	4497	5966	5646
Nuclear	..	..	..	..	..	..
Other	696	669	778	732	865	820
Main activity	10878	11490	12522	*12748	11944	*13303
Combustible fuels	6231	5055	6554	*7547	*5145	*6869
Hydro	3951	5765	5191	4470	5934	5614
Nuclear	..	..	..	..	..	..
Other	696	669	778	732	865	820
Own use in electricity, CHP and heat plants	868	886	775	787	795	942
Net production	10921	11386	12793	*13297	12040	*13479
Imports	747	891	825	1141	1085	1141
Exports	1335	1858	2500	2190	1156	1116
Losses	383	373	903	1587	1555	1711
Consumption	9907	10115	10220	10660	10381	11760
Energy industries own use	..	..	..	..	..	..
By industry and construction	3621	3707	3695	4017	3597	4495
By transport	..	..	..	..	..	..
By households and other cons.	6286	6408	6525	6644	6785	7266
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	3442	3356	3499	4042	4162	4118
Combustible fuels	1942	1845	1770	2234	2332	2284
Hydro	1306	1311	1492	1560	1577	1584
Nuclear	..	..	..	..	..	..
Other	194	200	237	249	252	250
Main activity	2737	2677	2846	3387	3507	3463
Combustible fuels	1241	1170	1122	1584	1682	1634
Hydro	1302	1307	1487	1555	1572	1579
Nuclear	..	..	..	..	..	..
Other	194	200	237	249	252	250
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	52079	43218	51029	49813	32162	41171
Biogas	186	308	430	308	281	472
Gas-diesel oil	80	114	62	114	127	49
Fuel oil	8707	4074	3423	4129	3300	2371
Petroleum coke	..	..	1751	..	..	..
Fuelwood	12	7	3	..	..	..
Bagasse	85152	53779	51340	53779	54054	88131
<b>Total input</b>	146215	101499	108038	108143	89925	132194
<b>Total production</b>	25638	20939	27259	*31877	*21613	*28635
<b>Estimated efficiency (% of production to input)</b>	18	21	25	29	24	22

## Statistics on electricity

### Guernsey

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	87	77	54	165	23	27
Combustible fuels	87	77	54	164	23	27
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	0	0	0	0
Main activity	87	77	54	165	23	27
Combustible fuels	87	77	54	164	23	27
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	0	0	0	0
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	87	77	54	165	23	27
Imports	285	294	319	204	347	337
Exports	..	..	..	..	..	..
Losses	23	17	25	22	*32	*26
Consumption	349	354	348	348	338	338
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	349	354	348	348	338	338
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	*115	*132	*132	*132	*132	*133
Combustible fuels	*115	*132	*132	*132	*132	*132
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	0	0	0	0
Main activity	*115	*132	*132	*132	*132	*133
Combustible fuels	*115	*132	*132	*132	*132	*132
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	0	0	0	0
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	*43	*43	*43	*43	*43	*43
Fuel oil	*727	*646	*444	*1370	*162	*182
<b>Total input</b>	*770	*689	*487	*1413	*205	*225
<b>Total production</b>	315	277	194	592	82	97
<b>Estimated efficiency (% of production to input)</b>	41	40	40	42	40	43

## Statistics on electricity

### Guinea

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	1585	1740	1884	2020	2420	2995
Combustible fuels	*511	*537	*702	*740	*935	*359
Hydro	1074	1203	1182	1280	1484	2635
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	1108	1278	1290	1394	1600	2761
Combustible fuels	*34	*75	*109	*115	*116	*126
Hydro	1074	1203	1182	1280	1484	2635
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	22	24	17	34	6	*10
Net production	1564	1716	1867	1985	2414	2985
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*239	*263	*287	*303	*390	*400
Consumption	*1324	*1455	*1580	*1682	*2024	*2585
Energy industries own use	..	..	..	..	..	..
By industry and construction	*617	*620	*673	*716	*863	*1122
By transport	..	..	..	..	..	..
By households and other cons.	*707	*835	*907	*966	*1161	*1463
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	593	610	660	659	963	1037
Combustible fuels	*226	*243	*293	*297	*376	*225
Hydro	367	367	367	362	587	812
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	444	460	466	455	691	931
Combustible fuels	*77	*93	*100	*93	*104	*119
Hydro	367	367	367	362	587	812
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	*237	*516	*731	*774	*860	*774
Fuel oil	*5010	*5131	*6626	*6747	*8969	*3192
<b>Total input</b>	*5246	*5647	*7357	*7521	*9829	*3966
<b>Total production</b>	*1841	*1934	*2528	*2664	*3366	*1293
<b>Estimated efficiency (% of production to input)</b>	35	34	34	35	34	33

**Statistics on electricity**
**Guinea-Bissau**

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	*79	*80	*82	*82	*82	*82
Combustible fuels	*79	*79	*80	*80	*80	*80
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	1	2	2	2	2
Main activity	*60	*61	*63	*63	*63	*63
Combustible fuels	*60	*60	*61	*61	*61	*61
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	1	2	2	2	2
Own use in electricity, CHP and heat plants	0	*1	*2	0	0	0
Net production	*79	*79	*80	*82	*82	*82
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	..	..	..	..	..	..
Consumption	75	83	83	*89	*84	*85
Energy industries own use	..	..	..	..	..	..
By industry and construction	21	22	22	*24	24	*24
By transport	..	..	..	..	..	..
By households and other cons.	54	61	62	*65	*60	*61
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	*27	*27	*27	*28	*28	*28
Combustible fuels	*27	*26	*26	*27	*27	*27
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	1	1	1	1	1
Main activity	*21	*22	*22	*22	*22	*22
Combustible fuels	*21	*21	*21	*21	*21	*21
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	1	1	1	1	1
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	*800	*796	*843	*843	*827	*821
<b>Total input</b>	*800	*796	*843	*843	*827	*821
<b>Total production</b>	*283	*284	*287	*290	*288	*288
<b>Estimated efficiency (% of production to input)</b>	35	36	34	34	35	35

**Statistics on electricity**
**Guyana**

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	1081	1105	1136	1135	1136	1138
Combustible fuels	1076	1098	1125	1123	1124	1125
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	5	7	11	11	12	13
Main activity	999	1022	1054	1105	1112	1119
Combustible fuels	994	1015	1043	1094	1100	1106
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	5	7	11	11	12	13
Own use in electricity, CHP and heat plants	31	12	33	22	24	19
Net production	1050	1092	1103	1112	1112	1119
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	224	233	235	247	230	231
Consumption	826	859	868	869	881	883
Energy industries own use	..	..	..	..	..	..
By industry and construction	321	334	337	325	328	329
By transport	..	..	..	..	..	..
By households and other cons.	505	526	531	545	553	554
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	360	348	348	335	337	*340
Combustible fuels	356	343	340	327	329	*332
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	3	5	8	8	8	*8
Main activity	306	298	297	293	295	*298
Combustible fuels	302	293	289	285	287	*290
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	3	5	8	8	8	*8
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	2635	3096	3335	4018	4313	*3700
Fuel oil	8118	7908	8356	8482	7584	6785
Natural gas	..	..	2	14	45	141
Fuelwood	..	..	..	53	70	71
Bagasse	448	327	231	155	121	94
<b>Total input</b>	11200	11331	11923	12723	12133	10790
<b>Total production</b>	3874	3951	4049	4044	4046	4051
<b>Estimated efficiency (% of production to input)</b>	35	35	34	32	33	38

## Statistics on electricity

### Haiti

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	1086	1058	1048	1064	1029	1033
Combustible fuels	1013	928	848	887	882	896
Hydro	71	127	197	174	144	134
Nuclear	..	..	..	..	..	..
Other	2	3	3	3	3	3
Main activity	1049	1035	1027	1042	1008	1012
Combustible fuels	976	905	827	865	861	875
Hydro	71	127	197	174	144	134
Nuclear	..	..	..	..	..	..
Other	2	3	3	3	3	3
Own use in electricity, CHP and heat plants	17	17	18	18	17	17
Net production	1069	1041	1031	1046	1012	1015
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	617	624	634	643	622	624
Consumption	417	422	428	435	420	399
Energy industries own use	..	..	..	..	..	..
By industry and construction	187	189	192	195	188	188
By transport	..	..	..	..	..	..
By households and other cons.	230	233	236	240	232	211
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	*336	*344	*352	*471	*471	*471
Combustible fuels	*274	*282	*290	*390	*390	*390
Hydro	61	61	61	78	78	78
Nuclear	..	..	..	..	..	..
Other	1	1	1	3	3	3
Main activity	*240	*245	*250	*333	*333	*333
Combustible fuels	*178	*183	*188	*253	*253	*253
Hydro	61	61	61	78	78	78
Nuclear	..	..	..	..	..	..
Other	1	1	1	3	3	3
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	5289	3856	3482	3534	3417	3363
Fuel oil	7797	8284	7725	7839	7581	7698
<b>Total input</b>	13086	12140	11207	11373	10998	11061
<b>Total production</b>	3647	3340	3052	3192	3175	3224
<b>Estimated efficiency (% of production to input)</b>	28	28	27	28	29	29

## Statistics on electricity

### Honduras

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	9219	9385	9629	10586	10059	10957
Combustible fuels	5505	4820	4253	5866	5232	4940
Hydro	2246	2971	3158	2430	2701	3765
Nuclear	..	..	..	..	..	..
Other	1468	1595	2219	2290	2127	2252
Main activity	7950	7875	7982	8595	8315	8774
Combustible fuels	4236	3309	2606	3935	3556	2826
Hydro	2246	2971	3158	2430	2701	3765
Nuclear	..	..	..	..	..	..
Other	1468	1595	2219	2230	2058	2183
Own use in electricity, CHP and heat plants	14	14	14	23	74	108
Net production	9205	9372	9616	10563	9985	10849
Imports	314	446	372	260	292	204
Exports	16	25	8	6	0	3
Losses	3125	2858	2991	3178	3511	3293
Consumption	6377	6935	6988	7639	6766	7757
Energy industries own use	..	..	..	..	..	..
By industry and construction	2014	2143	2229	2687	2204	2591
By transport	..	..	..	..	..	..
By households and other cons.	4363	4792	4760	4951	4562	5166
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	2456	2663	2740	2882	3011	3028
Combustible fuels	1209	1267	1254	1308	1318	1318
Hydro	663	685	715	731	840	853
Nuclear	..	..	..	..	..	..
Other	584	711	771	844	852	857
Main activity	2092	2269	2371	2427	2450	2467
Combustible fuels	845	873	885	910	823	823
Hydro	663	685	715	730	840	853
Nuclear	..	..	..	..	..	..
Other	584	711	771	787	787	792
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	1675	29	..	..	..	..
Gas-diesel oil	1195	370	1114	2146	1324	565
Fuel oil	30429	23315	17449	27121	26474	23609
Liquefied petroleum gas	..	..	1201	1641	1443	1568
Petroleum coke	..	7053	10530	11005	10222	3709
Fuelwood	3	2	1	1	34	..
Bagasse	1981	2088	21848	12889	9578	8074
Vegetal waste	12086	12218	9520	10858	7833	8109
<b>Total input</b>	47370	45074	61663	65661	56909	45633
<b>Total production</b>	19818	17352	15310	21118	18833	17784
<b>Estimated efficiency (% of production to input)</b>	42	38	25	32	33	39

## Statistics on electricity

### Hungary

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	31902	32915	32067	34291	34930	36120
Combustible fuels	14583	15407	14725	15429	15358	15301
Hydro	259	220	222	219	244	212
Nuclear	16054	16098	15733	16288	16055	15990
Other	1006	1190	1387	2355	3273	4617
Main activity	30893	31615	30490	32313	32578	33270
Combustible fuels	13863	14501	13743	14373	14341	14344
Hydro	259	220	222	219	244	212
Nuclear	16054	16098	15733	16288	16055	15990
Other	717	796	792	1433	1938	2724
Own use in electricity, CHP and heat plants	2354	2187	2176	2154	2016	1972
Net production	29548	30728	29891	32137	32914	34148
Imports	17951	19803	18613	19853	19176	19967
Exports	5240	6925	4265	7269	7499	7213
Losses	3566	3456	3357	3292	3139	3052
Consumption	38262	39647	40587	41383	41191	43387
Energy industries own use	1110	1154	1169	1161	1145	1089
By industry and construction	16002	16735	17234	17751	17480	18797
By transport	1177	1208	1207	1200	1214	1245
By households and other cons.	19973	20550	20977	21271	21352	22256
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	8758	8890	9286	9994	10710	11574
Combustible fuels	6100	6120	6118	6159	6145	6155
Hydro	57	57	57	58	58	60
Nuclear	2000	2000	2013	2013	2013	2027
Other	601	713	1098	1764	2494	3332
Main activity	8290	8298	8551	8969	9394	9841
Combustible fuels	5878	5867	5867	5873	5871	5873
Hydro	57	57	57	58	58	60
Nuclear	2000	2000	2013	2013	2013	2027
Other	355	374	614	1025	1452	1881
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	2989	1001	869	1069	804	506
Brown Coal	60077	53838	54874	42046	39351	32564
Biogas	2529	2612	2546	2480	2390	2122
Fuel oil	404	606	606	364	323	323
Natural gas	59535	69704	64509	75161	79079	84537
Coke-oven gas	2021	1722	2055	1957	1344	1705
Blast furnace gas	2130	2895	3056	2801	2271	1582
Fuelwood	*19129	*20873	*21958	*21342	*20374	*21854
Municipal waste	5194	4314	4399	4309	4733	4861
Industrial waste	1782	939	1223	1338	1263	1337
Others	305	424	308	311	146	356
<b>Total input</b>	156094	158929	156403	153178	152078	151747
<b>Total production</b>	52499	55465	53010	55544	55289	55085
<b>Estimated efficiency (% of production to input)</b>	34	35	34	36	36	36

## Statistics on electricity

### Iceland

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	18550	19239	19830	19489	19127	19614
Combustible fuels	3	2	2	3	3	2
Hydro	13470	14059	13814	13461	13157	13804
Nuclear	..	..	..	..	..	..
Other	5077	5178	6014	6025	5967	5808
Main activity	18550	19239	19830	19489	19127	19614
Combustible fuels	3	2	2	3	3	2
Hydro	13470	14059	13814	13461	13157	13804
Nuclear	..	..	..	..	..	..
Other	5077	5178	6014	6025	5967	5808
Own use in electricity, CHP and heat plants	378	392	397	369	349	387
Net production	18172	18846	19432	19120	18779	19227
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	489	591	554	531	540	565
Consumption	17479	18061	18664	18402	18049	18505
Energy industries own use	176	169	177	175	180	159
By industry and construction	14840	15388	15525	14900	14738	15057
By transport	66	76	89	23	28	42
By households and other cons.	2397	2427	2874	3304	3102	3247
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	2772	2823	2973	2979	2989	2999
Combustible fuels	117	116	116	116	116	126
Hydro	1987	1995	2099	2104	2114	2114
Nuclear	..	..	..	..	..	..
Other	668	712	758	758	758	758
Main activity	2772	2823	2973	2979	2989	2999
Combustible fuels	117	116	116	116	116	126
Hydro	1987	1995	2099	2104	2114	2114
Nuclear	..	..	..	..	..	..
Other	668	712	758	758	758	758
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	86	27	24	53	24	35
Biodiesel	..	0	0	0	..	..
<b>Total input</b>	86	27	24	53	24	35
<b>Total production</b>	11	8	7	10	11	9
<b>Estimated efficiency (% of production to input)</b>	13	28	28	18	46	25

## Statistics on electricity

### India

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	1432358	1490257	1521958	1576740	*1533307	*1610082
Combustible fuels	1188280	1217575	1244959	1253707	*1200660	*1247823
Hydro	122507	126235	135164	156049	*160909	*162441
Nuclear	37916	38346	37813	46472	*43029	*47112
Other	83655	108101	*104022	*120512	*128709	*152706
Main activity	1233926	1305954	1346325	1358798	*1351266	*1474027
Combustible fuels	993516	1037184	1072314	1042838	*1027127	*1122700
Hydro	122378	126123	134894	155769	*160558	*162091
Nuclear	37916	38346	37813	46472	*43029	*47112
Other	80116	104301	*101304	*113719	*120552	*142124
Own use in electricity, CHP and heat plants	95931	100826	108297	*109107	*123512	*129984
Net production	1336427	1389431	1413661	1467633	*1409795	*1480098
Imports	5617	5611	4657	6351	*9318	*9548
Exports	6710	7203	8494	9491	*9426	*9574
Losses	248834	259827	269165	266527	*252502	*289838
Consumption	1071213	1135284	1163990	1297138	*1187126	*1212023
Energy industries own use	*4945	*4956	*5679	*5645	*4937	*5404
By industry and construction	426665	*468909	484843	551362	*500291	*529124
By transport	17217	14356	16823	19577	*18500	*19800
By households and other cons.	622386	647063	656645	720554	*663398	*657695
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	374795	400455	427794	442320	458430	478860
Combustible fuels	267129	276062	298316	305307	307076	312209
Hydro	44597	45344	45502	45830	46341	46858
Nuclear	6780	6780	6780	6780	6780	6780
Other	56289	72269	77196	84403	*98233	*113013
Main activity	322506	343824	352179	364297	382151	398055
Combustible fuels	218330	222907	226279	230600	234728	236109
Hydro	44532	45293	45399	45699	46209	46723
Nuclear	6780	6780	6780	6780	6780	6780
Other	52864	68844	73721	81218	*94434	*108443
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	9407701	10383044	11026567	10981401	9854338	*10851386
Brown Coal	434150	372854	362189	363320	319489	565256
Gas-diesel oil	16426	15222	21457	13803	19608	21586
Fuel oil	15231	12362	14059	12968	*9575	13776
Liquefied petroleum gas	95	..	95	47	..	..
Naphtha	2670	2982	223	..	*3115	*267
Natural gas	654623	632575	468447	*637011	*646955	*607816
Coke-oven gas	*33073	*36321	*38643	*40732	*37601	*43250
Bagasse	365524	558763	569080	584108	581059	*601983
Vegetal waste	148048	132922	102533	100589	134091	137256
<b>Total input</b>	11077541	12147045	12603292	12733980	11605830	*12842576
<b>Total production</b>	4277808	4383270	4481852	4513345	*4322376	*4492163
<b>Estimated efficiency (% of production to input)</b>	39	36	36	35	37	35

**Statistics on electricity**
**Indonesia**

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	233367	262673	275657	281248	276504	289471
Combustible fuels	201209	230068	242665	247723	240582	252870
Hydro	21475	18632	19774	20435	21624	19580
Nuclear	..	..	..	..	..	..
Other	10683	13973	13218	13089	14298	17021
Main activity	166458	205415	228599	236449	238950	249666
Combustible fuels	148606	187715	195606	203610	203848	214895
Hydro	13885	12425	19774	19749	20804	17750
Nuclear	..	..	..	..	..	..
Other	3967	5276	13218	13089	14298	17021
Own use in electricity, CHP and heat plants	9900	9865	10784	11929	12758	11579
Net production	223467	252808	264873	269319	263746	277892
Imports	1	1120	..	..	..	..
Exports	..	..	..	..	..	..
Losses	22706	24887	25093	25822	25263	25143
Consumption	215781	244637	251796	258092	250204	258511
Energy industries own use	..	..	..	..	..	..
By industry and construction	68145	93465	92968	88323	79555	*80904
By transport	..	240	266	278	160	261
By households and other cons.	147636	150932	158562	169491	170489	177346
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	59305	59370	63913	65097	65491	66770
Combustible fuels	52622	51394	56013	57079	57225	57494
Hydro	4868	4990	5587	5617	5717	6139
Nuclear	..	..	..	..	..	..
Other	*1815	2986	2313	2401	2549	3136
Main activity	39980	46430	52346	52616	53039	53606
Combustible fuels	35622	39797	44763	45022	45231	45064
Hydro	3568	4853	5436	5447	5513	5661
Nuclear	..	..	..	..	..	..
Other	790	1780	2146	2147	2294	2881
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	1854221	2013593	2393869	2572155	2676052	2956208
Motor gasoline	7752	6867	8284	7682	*7974	..
Gas-diesel oil	130333	97653	123109	104087	100362	*107182
Fuel oil	21129	16483	22180	16083	14483	9708
Natural gas	452991	559508	465092	546210	403234	400947
Fuelwood	10512	0	..	..	..	..
Charcoal	*266	*266	..	..	..	..
Biodiesel	*12696	*9826	*10746	*15382	22227	21546
<b>Total input</b>	2489900	2704194	3023279	3261600	3224332	3495591
<b>Total production</b>	724352	828245	873594	891803	866096	910332
<b>Estimated efficiency (% of production to input)</b>	29	31	29	27	27	26

**Statistics on electricity**
**Iran (Islamic Rep. of)**

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	289116	307992	309642	311458	336239	344161
Combustible fuels	265821	285036	285569	287539	313487	323803
Hydro	16421	15051	15765	15873	15887	15887
Nuclear	6620	7514	7450	6757	5527	3093
Other	254	391	858	1288	1338	1379
Main activity	282634	300087	304384	305578	330119	337824
Combustible fuels	259339	277131	280311	281660	307367	317466
Hydro	16421	15051	15765	15873	15887	15887
Nuclear	6620	7514	7450	6757	5527	3093
Other	254	391	858	1288	1338	1379
Own use in electricity, CHP and heat plants	8205	8833	8702	14293	16546	16936
Net production	280911	299159	300940	297165	319693	327226
Imports	4221	3852	2588	1342	2674	2674
Exports	6688	8172	6295	8206	9470	9470
Losses	33513	33722	32853	32709	35377	36228
Consumption	243468	254942	262084	269135	276849	289876
Energy industries own use	3016	3225	3362	3619	3706	3842
By industry and construction	80860	80749	87491	87411	90322	94585
By transport	436	477	514	622	558	584
By households and other cons.	159156	170491	170717	177483	182263	190865
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	74105	76568	78794	80467	83506	85432
Combustible fuels	61273	63156	65253	66752	69590	71449
Hydro	11578	11949	11953	12026	12192	12193
Nuclear	1020	1020	1020	1020	1020	1020
Other	234	443	568	669	*704	*770
Main activity	68524	70815	72889	74467	77506	79432
Combustible fuels	55692	57403	59348	60752	63590	65449
Hydro	11578	11949	11953	12026	12192	12193
Nuclear	1020	1020	1020	1020	1020	1020
Other	234	443	568	669	*704	*770
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Biogas	282	288	254	219	278	278
Gas-diesel oil	219566	181176	216433	214634	198090	205954
Fuel oil	171999	141457	131677	130788	128041	129368
Other kerosene	..	175	165	..	..	..
Natural gas	2431484	2730586	2650860	2370940	2649370	2737606
Coke-oven gas	169	2181	2225	3401	3543	3482
Blast furnace gas	9474	7739	7018	8324	7980	8618
<b>Total input</b>	2832973	3063602	3008632	2728305	2987302	3085306
<b>Total production</b>	956955	1026131	1028048	1035141	1128553	1165690
<b>Estimated efficiency (% of production to input)</b>	34	33	34	38	38	38

## Statistics on electricity

### Iraq

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	80042	85541	81292	87370	85433	86164
Combustible fuels	76614	83307	79417	82350	81214	82761
Hydro	3371	2176	1818	4963	4162	3346
Nuclear	..	..	..	..	..	..
Other	57	57	57	57	57	57
Main activity	79985	85484	81235	87313	85376	86107
Combustible fuels	76614	83307	79417	82350	81214	82761
Hydro	3371	2176	1818	4963	4162	3346
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	1855	1917	2296	6282	5638	5018
Net production	78187	83623	78997	81088	79795	81147
Imports	11965	13644	21793	34396	38814	41464
Exports	..	..	..	..	..	..
Losses	*51595	*53803	*63568	*76371	*72871	66421
Consumption	*38636	*40771	39592	*42087	44499	52325
Energy industries own use	..	..	..	..	..	..
By industry and construction	*5075	*5169	4783	*5084	*5340	5772
By transport	..	..	..	..	..	..
By households and other cons.	*33560	*35602	34809	*37002	39159	46554
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	32215	26134	27234	27234	*27234	*27234
Combustible fuels	29664	24300	25400	25400	*25400	*25400
Hydro	2514	1797	1797	1797	1797	1797
Nuclear	..	..	..	..	..	..
Other	37	37	37	37	37	37
Main activity	32178	26097	27197	27197	*27197	*27197
Combustible fuels	29664	24300	25400	25400	*25400	*25400
Hydro	2514	1797	1797	1797	1797	1797
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Crude oil	388060	338791	338423	366850	302506	291025
Gas-diesel oil	9417	28264	31474	34581	31340	28471
Fuel oil	156106	192951	132601	113823	65534	48147
Natural gas	225878	353870	460255	603675	508891	523523
<b>Total input</b>	779461	913875	962753	1118930	908271	891167
<b>Total production</b>	275810	299907	285903	296459	292370	297940
<b>Estimated efficiency (% of production to input)</b>	35	33	30	26	32	33

## Statistics on electricity

### Ireland

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	30514	30876	31139	30962	32276	31872
Combustible fuels	23388	22525	21546	19771	19440	20968
Hydro	973	895	932	1132	1224	1036
Nuclear	..	..	..	..	..	..
Other	6153	7456	8662	10059	11611	9869
Main activity	28277	28637	28925	28786	30073	29658
Combustible fuels	21189	20334	19393	17687	17352	18904
Hydro	973	895	932	1132	1224	1036
Nuclear	..	..	..	..	..	..
Other	6115	7408	8600	9967	11496	9718
Own use in electricity, CHP and heat plants	822	783	781	686	757	852
Net production	29692	30093	30358	30276	31519	31020
Imports	871	1116	1622	2180	1761	2451
Exports	1583	1795	1649	1535	1913	863
Losses	2135	2176	2236	2274	2313	2403
Consumption	27026	27153	28509	29038	29313	30175
Energy industries own use	647	516	632	614	674	622
By industry and construction	6787	6883	6539	6666	6206	6204
By transport	49	53	62	79	81	112
By households and other cons.	19543	19701	21275	21679	22353	23237
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	10032	10610	10987	11130	11242	11142
Combustible fuels	6696	6745	6752	6417	6316	6139
Hydro	529	529	529	529	529	529
Nuclear	..	..	..	..	..	..
Other	2807	3336	3706	4184	4397	4474
Main activity	9665	10224	10576	10682	10758	10607
Combustible fuels	6351	6395	6396	6053	5949	5768
Hydro	529	529	529	529	529	529
Nuclear	..	..	..	..	..	..
Other	2785	3299	3651	4100	4280	4310
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	46439	37501	21254	6693	8282	29254
Peat	23893	22480	20982	20851	15436	5596
Biogas	1938	1914	1699	1694	1593	1643
Gas-diesel oil	473	306	342	515	475	1273
Fuel oil	2182	1075	1089	2725	3931	13733
Liquefied petroleum gas	47	27	27	27	18	19
Refinery gas	198	14	..	..	..	..
Natural gas	108711	112511	114234	117046	119186	108755
Fuelwood	*3675	*3561	*3184	*3223	*4105	*4203
Municipal waste	2132	4596	7957	7748	8155	7796
<b>Total input</b>	189688	183986	170767	160521	161183	172272
<b>Total production</b>	84197	81091	77565	71175	69985	75485
<b>Estimated efficiency (% of production to input)</b>	44	44	45	44	43	44

## Statistics on electricity

### Isle of Man

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	433	467	493	581	552	360
Combustible fuels	430	463	490	578	548	356
Hydro	3	4	*2	3	4	4
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	408	443	460	548	518	328
Combustible fuels	405	439	457	545	515	324
Hydro	3	4	*2	3	4	4
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	0	0	0	0	1	0
Net production	433	467	492	581	551	360
Imports	65	41	*51	*23	*24	*151
Exports	105	95	131	192	168	103
Losses	*30	*50	*50	*46	61	*62
Consumption	362	363	362	366	352	342
Energy industries own use	..	..	..	..	..	..
By industry and construction	139	133	135	141	128	123
By transport	..	..	..	..	..	..
By households and other cons.	223	230	227	225	224	219
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	184	187	187	184	184	184
Combustible fuels	183	186	186	183	183	183
Hydro	1	1	1	1	1	1
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	176	180	180	176	176	176
Combustible fuels	175	179	179	175	175	175
Hydro	1	1	1	1	1	1
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Fuel oil	105	48	35	29	8	75
Natural gas	3668	3587	3587	4304	4167	2585
Municipal waste	*411	*396	*546	*542	*543	*526
<b>Total input</b>	4184	4031	4168	4875	4718	3186
<b>Total production</b>	1548	1666	1765	2080	1973	1283
<b>Estimated efficiency (% of production to input)</b>	37	41	42	43	42	40

## Statistics on electricity

### Israel

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	66976	67674	68894	72351	72285	73796
Combustible fuels	65432	65742	66978	68796	67702	68054
Hydro	0	0	0	..	..	..
Nuclear	..	..	..	..	..	..
Other	1544	1933	1916	3555	4583	5743
Main activity	62907	63409	63847	65506	64212	64475
Combustible fuels	62907	63409	63847	65000	63574	63698
Hydro	0	0	0	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	505	638	776
Own use in electricity, CHP and heat plants	2441	2199	2304	2425	2374	2307
Net production	64535	65476	66590	69926	69910	71489
Imports	..	..	..	..	..	..
Exports	5553	5649	5863	6311	6243	6523
Losses	2535	2387	2514	2787	3197	3455
Consumption	56443	57149	58307	60760	60910	61603
Energy industries own use	755	855	826	871	861	897
By industry and construction	13444	12943	13996	12521	12615	13011
By transport	..	..	..	..	..	..
By households and other cons.	42244	43352	43485	47368	47433	47695
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	17585	17827	18020	19139	20006	21358
Combustible fuels	16689	16813	16617	16837	16982	17437
Hydro	7	8	9	9	309	309
Nuclear	..	..	..	..	..	..
Other	889	1006	1393	2292	2715	3612
Main activity	16198	16236	16001	16460	16818	17255
Combustible fuels	16166	16205	15964	16181	16239	16690
Hydro	5	4	2	2	302	302
Nuclear	..	..	..	..	..	..
Other	27	27	35	277	277	263
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	227233	206953	195455	206387	180082	160954
Biogas	795	960	878	878	963	846
Oil shale	1679	1783	648	614	520	623
Gas-diesel oil	2193	6594	2646	6648	1751	1122
Fuel oil	848	1284	968	865	525	364
Natural gas	317669	342459	300611	287920	317304	340017
<b>Total input</b>	550418	560033	501207	503312	501146	503927
<b>Total production</b>	235555	236671	241120	247667	243727	244993
<b>Estimated efficiency (% of production to input)</b>	43	42	48	49	49	49

## Statistics on electricity

### Italy

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	289768	295830	289708	293853	280531	289070
Combustible fuels	198693	208824	192129	195084	180805	189132
Hydro	44257	38025	50503	48154	49495	47478
Nuclear	..	..	..	..	..	..
Other	46818	48982	47077	50616	50231	52459
Main activity	271301	276048	266925	271513	260196	250918
Combustible fuels	181006	189674	170015	173389	161147	166932
Hydro	43695	37536	50037	47661	49030	47009
Nuclear	..	..	..	..	..	..
Other	46600	48839	46873	50463	50019	36977
Own use in electricity, CHP and heat plants	10065	10564	9864	9903	8883	9024
Net production	279703	285266	279845	283950	271648	280045
Imports	43181	42895	47170	43975	39790	46572
Exports	6154	5134	3271	5834	7590	3782
Losses	18753	18668	17988	17818	17366	19032
Consumption	297977	304359	305755	304273	286483	303803
Energy industries own use	11950	12393	12674	12340	11282	11604
By industry and construction	113257	115609	116070	119535	117305	127607
By transport	11162	11383	11540	11542	10114	10888
By households and other cons.	161608	164973	165471	160856	147781	153703
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	114162	114241	115221	116435	116383	117160
Combustible fuels	62096	61289	61276	61284	60106	59496
Hydro	22298	22426	22499	22541	22695	22750
Nuclear	..	..	..	..	..	..
Other	29768	30526	31446	32610	33583	34914
Main activity	109328	109207	109699	111003	111218	96699
Combustible fuels	57438	56426	55929	56028	55115	54137
Hydro	22181	22307	22393	22435	22604	22654
Nuclear	..	..	..	..	..	..
Other	29709	30473	31377	32541	33498	19908
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	342425	304038	266920	183035	144183	151543
Biogas	76651	77414	76494	81049	79520	79802
Fuel oil	20281	20059	12496	12649	12985	21069
Refinery gas	31581	30818	30381	31070	27800	26405
Other oil products	125022	119490	125585	107705	101846	110320
Natural gas	1057652	1162357	1075138	1171351	1114340	1189633
Blast furnace gas	23686	16953	17987	17071	10825	14764
Fuelwood	*73136	*72332	*72080	*71284	*73475	*69717
Municipal waste	72906	71443	70893	73103	70608	69488
Other liquid biofuels	28277	26895	26114	28444	28341	24538
Others	17982	18031	15985	16476	14452	13785
<b>Total input</b>	1869599	1919829	1790074	1793237	1678376	1771064
<b>Total production</b>	715295	751765	691664	702303	650898	680876
<b>Estimated efficiency (% of production to input)</b>	38	39	39	39	39	38

## Statistics on electricity

### Jamaica

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	4342	4360	4402	4465	4939	4705
Combustible fuels	4002	3873	3875	3948	4399	4170
Hydro	118	154	179	155	136	139
Nuclear	..	..	..	..	..	..
Other	222	333	348	362	404	396
Main activity	2556	2533	2561	2916	3975	3686
Combustible fuels	2438	2379	2382	2761	3839	3547
Hydro	118	154	179	155	136	139
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	13	18	46	40	712	401
Net production	4329	4342	4356	4425	4227	4304
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	1160	1152	1144	1149	1185	1218
Consumption	3184	3191	3299	3409	3873	3646
Energy industries own use	..	..	..	..	..	..
By industry and construction	1410	1358	1800	1353	1527	1166
By transport	..	..	..	..	..	..
By households and other cons.	1774	1833	1499	2056	2346	2480
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	1031	1041	1045	*1150	*1156	*1156
Combustible fuels	871	871	874	*962	*968	*968
Hydro	29	29	29	29	*29	*29
Nuclear	..	..	..	..	..	..
Other	131	141	142	*159	*159	*159
Main activity	661	661	665	*665	*665	*665
Combustible fuels	609	609	612	*612	*612	*612
Hydro	29	29	29	29	*29	*29
Nuclear	..	..	..	..	..	..
Other	23	23	24	*24	*24	*24
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	9507	1587	1419	1744	1747	1383
Fuel oil	26296	29007	29169	26496	10584	9422
Natural gas	*355	*4089	3789	11434	25071	25344
Bagasse	*2703	*980	*778	*954	*780	*780
<b>Total input</b>	38861	35663	35155	40628	38182	36928
<b>Total production</b>	14407	13943	13950	14212	15837	15013
<b>Estimated efficiency (% of production to input)</b>	37	39	40	35	41	41

## Statistics on electricity

### Japan

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	1070835	1080884	1067252	1039148	1017285	1049910
Combustible fuels	891983	872174	822287	789025	783015	773762
Hydro	85665	91104	88348	87653	87548	88825
Nuclear	18060	32912	64929	63779	38752	70805
Other	75127	84695	91688	98691	107969	116518
Main activity	923510	929784	906514	878298	857863	876536
Combustible fuels	808822	791580	737145	708036	708059	690575
Hydro	82349	88356	85058	84325	84549	85988
Nuclear	18060	32912	64929	63779	38752	70805
Other	14279	16936	19382	22158	26504	29169
Own use in electricity, CHP and heat plants	45238	48209	43484	42133	40382	41370
Net production	1025597	1032674	1023768	997015	976903	1008540
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	45600	40642	45010	44095	46265	49031
Consumption	973823	989627	970582	952086	939025	959323
Energy industries own use	23120	24895	24894	24828	25502	27412
By industry and construction	342829	346177	347152	337891	323024	341787
By transport	17543	17496	17304	17297	17297	17297
By households and other cons.	590331	601059	581232	572070	573202	572827
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	308125	309099	310227	302288	307082	306545
Combustible fuels	201245	200906	200893	195898	198255	195455
Hydro	50057	50014	50037	50033	50033	50009
Nuclear	41482	39132	38042	33083	33083	33083
Other	15341	19047	21255	23274	25711	27998
Main activity	278106	276645	275879	268553	272472	272218
Combustible fuels	178044	177075	175706	171244	173127	171052
Hydro	49521	49562	49582	49635	49635	49612
Nuclear	41482	39132	38042	33083	33083	33083
Other	9059	10876	12550	14592	16627	18471
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	2869146	2973099	2866822	2839565	2682259	2737013
Fuel oil	303525	227156	163608	121812	119784	169979
Refinery gas	108752	132644	105276	81099	98351	104254
Natural gas	3450612	3287592	3127446	2938701	3023126	2750164
Coke-oven gas	65260	62449	58947	59835	53931	49099
Blast furnace gas	206264	196630	190515	184687	144098	167265
Fuelwood	*35269	*49428	*61510	*75004	*97367	*114765
Vegetal waste	*60900	*65387	*66502	*88171	*77286	*104571
Industrial waste	137118	154765	173765	151598	144522	145368
Bitumen	75174	75972	74331	75353	44330	57581
Others	281177	238570	192606	189617	179110	163904
<b>Total input</b>	7593197	7463691	7081328	6805440	6664165	6563961
<b>Total production</b>	3211139	3139825	2960235	2840490	2818856	2785544
<b>Estimated efficiency (% of production to input)</b>	42	42	42	42	42	42

## Statistics on electricity

### Jersey

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	70	49	45	44	43	33
Combustible fuels	70	49	45	44	43	33
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	24	4	2	2	1	1
Combustible fuels	24	4	2	2	1	1
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	70	49	45	44	43	33
Imports	614	626	637	630	610	641
Exports	..	..	..	..	..	..
Losses	47	53	48	40	39	44
Consumption	637	620	633	632	613	633
Energy industries own use	..	..	..	..	..	..
By industry and construction	*249	*239	*239	*234	*206	*208
By transport	..	..	..	..	..	..
By households and other cons.	387	381	395	398	407	426
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	72	72	72	*72	*72	*72
Combustible fuels	72	72	72	*72	*72	*72
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	50	50	50	*50	*50	*50
Combustible fuels	50	50	50	*50	*50	*50
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	259	58	32	28	19	21
Municipal waste	*813	*799	*760	*764	*760	*760
<b>Total input</b>	*1072	*857	*792	*792	*779	*781
<b>Total production</b>	250	176	161	159	156	120
<b>Estimated efficiency (% of production to input)</b>	23	21	20	20	20	15

## Statistics on electricity

### Jordan

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	19677	20793	20476	20995	20952	21289
Combustible fuels	18817	19387	18332	18016	16675	16168
Hydro	42	38	23	18	18	19
Nuclear	..	..	..	..	..	..
Other	818	1369	2122	2961	4259	5102
Main activity	19236	19244	18737	19056	18838	19038
Combustible fuels	18530	18154	17154	16794	15768	15261
Hydro	42	38	23	18	18	19
Nuclear	..	..	..	..	..	..
Other	664	1053	1560	2244	3052	3758
Own use in electricity, CHP and heat plants	520	514	443	401	377	364
Net production	19157	20279	20033	20594	20576	20925
Imports	334	51	188	239	632	395
Exports	46	57	94	98	190	173
Losses	2072	2029	2094	2249	2307	2341
Consumption	16805	17605	17594	17999	18670	19012
Energy industries own use	105	101	100	89	100	96
By industry and construction	3763	3910	3861	3622	3592	4049
By transport	..	..	..	..	..	..
By households and other cons.	12937	13594	13632	14287	14978	14867
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	4490	4551	4891	5269	6561	6811
Combustible fuels	3990	3941	3796	3796	4250	4247
Hydro	6	6	6	6	6	4
Nuclear	..	..	..	..	..	..
Other	494	604	1089	1467	*2305	*2560
Main activity	4169	4099	4281	4559	5411	5541
Combustible fuels	3770	3691	3546	3546	4000	3977
Hydro	6	6	6	6	6	4
Nuclear	..	..	..	..	..	..
Other	392	402	729	1007	1405	1560
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Biogas	*64	49	41	42	42	*42
Gas-diesel oil	1763	2847	2791	3014	2907	2971
Fuel oil	20164	24313	10670	6973	6282	7316
Natural gas	141902	163276	159917	155279	148962	*123300
<b>Total input</b>	163892	190484	173418	165308	158193	*133629
<b>Total production</b>	67741	69791	65994	64857	60030	58205
<b>Estimated efficiency (% of production to input)</b>	41	37	38	39	38	44

**Statistics on electricity**
**Kazakhstan**

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	94693	103197	107605	106878	110890	115078
Combustible fuels	82661	91487	96364	95346	98711	102493
Hydro	11621	11210	10395	9994	9660	9208
Nuclear	..	..	..	..	..	..
Other	411	499	845	1538	2519	3377
Main activity	92932	100169	104453	105730	108629	98830
Combustible fuels	80948	88526	93456	94638	96703	89276
Hydro	11621	11210	10395	9994	9660	6193
Nuclear	..	..	..	..	..	..
Other	363	433	602	1098	2266	3361
Own use in electricity, CHP and heat plants	0	0	0	6488	9542	1613
Net production	94693	103197	107605	100390	101348	113466
Imports	1319	1328	1561	1935	1569	2071
Exports	2572	5692	5042	2419	2323	2639
Losses	5342	6411	6569	9689	6746	9445
Consumption	80020	88750	95318	80662	80050	103464
Energy industries own use	10166	9957	14981	8707	9928	16595
By industry and construction	45468	47606	50396	44081	43978	43995
By transport	4699	5626	3234	3525	2939	3787
By households and other cons.	19687	25560	26707	24350	23206	39088
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	*25941	*26319	26192	24827	25976	26803
Combustible fuels	*22935	*23251	22640	20281	20652	21956
Hydro	2696	2726	2756	2778	2785	*2806
Nuclear	..	..	..	..	..	..
Other	310	342	796	1769	2540	2041
Main activity	*25451	*25513	25269	24291	25068	22956
Combustible fuels	*22500	*22500	21902	20079	20079	19456
Hydro	2696	2726	2756	2778	2785	*1806
Nuclear	..	..	..	..	..	..
Other	255	287	611	1434	2205	1694
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	806453	902591	991148	948986	948231	708461
Brown Coal	6220	8132	10486	5748	2263	1942
Biogas	58	32	19	43	70	37
Gas-diesel oil	..	..	..	..	..	16790
Fuel oil	23028	8888	8601	7442	7660	14979
Natural gas	257658	261839	313105	311886	297164	304109
<b>Total input</b>	1093417	1181481	1323358	1274105	1255388	1046318
<b>Total production</b>	297580	329354	346911	343247	355359	368975
<b>Estimated efficiency (% of production to input)</b>	27	28	26	27	28	35

## Statistics on electricity

### Kenya

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	10058	10360	11182	11621	11604	12377
Combustible fuels	1557	2766	1679	1526	891	1512
Hydro	3960	2777	3986	3205	4233	3675
Nuclear	..	..	..	..	..	..
Other	4541	4818	5517	6890	6480	7189
Main activity	9971	10129	11049	11408	11467	12103
Combustible fuels	1471	2534	1546	1313	755	1262
Hydro	3960	2777	3986	3205	4233	3651
Nuclear	..	..	..	..	..	..
Other	4541	4818	5517	6890	6480	7189
Own use in electricity, CHP and heat plants	80	84	86	86	120	95
Net production	9978	10276	11096	11535	11483	12281
Imports	86	230	130	212	137	288
Exports	39	12	35	16	17	18
Losses	1965	1938	2445	2751	2791	2831
Consumption	8053	8410	8702	8854	8955	9734
Energy industries own use	..	..	..	..	..	..
By industry and construction	5030	5067	4337	4441	4440	4897
By transport	..	..	..	..	..	..
By households and other cons.	3023	3343	4366	4413	4515	4837
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	2255	2321	3043	3155	3173	*3384
Combustible fuels	786	816	1209	1113	1087	*1088
Hydro	798	826	821	826	834	850
Nuclear	..	..	..	..	..	..
Other	671	679	1014	1216	1252	*1446
Main activity	2255	2271	2679	2791	2835	*3041
Combustible fuels	786	766	845	749	749	*750
Hydro	798	826	821	826	834	845
Nuclear	..	..	..	..	..	..
Other	671	679	1014	1216	1252	*1446
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Biogas	8	5	4	4	2	6
Gas-diesel oil	2263	1196	9116	9159	3268	4278
Fuel oil	5484	11009	*7272	4646	5050	9519
Other kerosene	..	..	..	..	..	759
Other oil products	..	..	..	..	..	1052
Vegetal waste	15460	16800	*16500	*15000	*8250	*9100
<b>Total input</b>	23215	29010	*32892	*28809	16570	24714
<b>Total production</b>	5606	9956	6043	5493	3209	5445
<b>Estimated efficiency (% of production to input)</b>	24	34	18	19	19	22

## Statistics on electricity

### Kiribati

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	31	34	35	38	*37	*38
Combustible fuels	26	29	30	33	*32	*33
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	5	5	5	5	*5	*5
Main activity	29	31	33	35	*35	*36
Combustible fuels	24	27	28	30	*30	*31
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	5	5	5	5	*5	*5
Own use in electricity, CHP and heat plants	*1	*1	*1	*1	*1	*1
Net production	30	32	34	36	*36	*37
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*5	*5	*5	*5	*3	*5
Consumption	*25	*28	*29	*32	*33	*32
Energy industries own use	..	..	..	..	..	..
By industry and construction	*7	*8	*8	*9	*8	*9
By transport	..	..	..	..	..	..
By households and other cons.	*19	*20	*21	*23	*25	*23
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	*11	*11	*11	*12	*12	*12
Combustible fuels	*8	*8	*8	*9	*9	*9
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	3	3	3	3	*3	*3
Main activity	*10	*10	*10	*11	*10	*11
Combustible fuels	*7	*7	*7	*8	*7	*8
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	3	3	3	3	*3	*3
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	*258	*292	*310	*331	*301	*305
<b>Total input</b>	*258	*292	*310	*331	*301	*305
<b>Total production</b>	94	103	109	117	*116	*118
<b>Estimated efficiency (% of production to input)</b>	36	35	35	35	39	39

**Statistics on electricity**
**Korea, Dem.Ppl's.Rep.**

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	23941	23544	24949	23853	24053	25566
Combustible fuels	11100	11600	12100	12800	11200	9400
Hydro	12800	11900	12800	11000	12800	16100
Nuclear	..	..	..	..	..	..
Other	41	45	49	53	53	66
Main activity	23941	23544	24949	23853	24053	25566
Combustible fuels	11100	11600	12100	12800	11200	9400
Hydro	12800	11900	12800	11000	12800	16100
Nuclear	..	..	..	..	..	..
Other	41	45	49	53	53	66
Own use in electricity, CHP and heat plants	2268	2230	2363	2260	2279	2422
Net production	21673	21314	22585	21593	21774	23144
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	3784	3721	3943	3770	3802	4041
Consumption	17889	17593	18642	17823	17972	19104
Energy industries own use	..	..	..	..	..	..
By industry and construction	8945	12002	12718	12159	12261	13033
By transport	..	530	561	537	541	575
By households and other cons.	8944	5061	5363	5127	5170	5495
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	7693	7756	8188	8192	8267	8278
Combustible fuels	2960	2960	3360	3360	*3360	*3360
Hydro	4701	4761	4790	4790	4865	4865
Nuclear	..	..	..	..	..	..
Other	32	35	38	42	42	53
Main activity	7693	7756	8188	8192	8267	8278
Combustible fuels	2960	2960	3360	3360	*3360	*3360
Hydro	4701	4761	4790	4790	4865	4865
Nuclear	..	..	..	..	..	..
Other	32	35	38	42	42	53
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	130735	140816	148355	155213	135041	115342
Brown Coal	4537	3164	2638	2950	2775	2278
Fuel oil	17049	14134	13843	16757	15446	9180
<b>Total input</b>	152321	158114	164836	174920	153262	126800
<b>Total production</b>	39960	41758	43560	46080	40320	33840
<b>Estimated efficiency (% of production to input)</b>	26	26	26	26	26	27

**Statistics on electricity**
**Korea, Republic of**

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	562700	566893	590129	581492	578595	611759
Combustible fuels	385483	400161	435310	410786	386067	415291
Hydro	6634	7006	7270	6249	7148	6737
Nuclear	161995	148427	133505	145910	160184	158015
Other	8588	11299	14043	18547	25195	31716
Main activity	527687	533241	554403	549652	547980	580714
Combustible fuels	351259	367474	400707	380291	356960	385969
Hydro	6634	7006	7270	6249	7148	6737
Nuclear	161995	148427	133505	145910	160184	158015
Other	7799	10335	12921	17202	23688	29992
Own use in electricity, CHP and heat plants	22616	21097	23284	22393	21683	31255
Net production	540084	545796	566845	559099	556911	580504
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	18475	18790	18183	19000	18610	19424
Consumption	534858	543861	550590	542836	532348	556933
Energy industries own use	17587	20624	19216	19020	19653	20971
By industry and construction	265383	274429	278814	272589	262376	275642
By transport	2689	2864	2967	3111	3271	3626
By households and other cons.	249199	245944	249593	248116	247048	256694
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	111583	123550	128299	132870	139145	143886
Combustible fuels	75559	86377	89014	88174	89555	90109
Hydro	6485	6489	6490	6509	6506	6541
Nuclear	23116	22529	21850	23250	23250	23250
Other	6423	8155	10945	14936	19834	23986
Main activity	103976	114020	117742	122842	128751	133159
Combustible fuels	68903	78130	80138	80211	81592	82146
Hydro	6485	6489	6490	6509	6506	6541
Nuclear	23116	22529	21850	23250	23250	23250
Other	5472	6872	9263	12871	17403	21222
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	2107076	2117887	2113890	2011638	1699734	1635377
Brown Coal	140268	208596	209868	187907	159243	165328
Fuel oil	112070	44641	48864	28553	18122	18306
Naphtha	55136	45689	47573	31957	31634	36444
Petroleum coke	10628	20575	21129	25577	19480	24490
Natural gas	952847	993522	1204485	1156396	1276037	1466879
Coke-oven gas	35474	39417	41093	37527	33516	34590
Blast furnace gas	120427	121844	121419	120192	117874	124539
Fuelwood	*38806	*41348	*52534	*55244	*54312	*52750
Other recovered gases	23676	23219	23177	22465	21131	21337
Others	33591	43312	46286	50158	44009	44545
<b>Total input</b>	3629998	3700053	3930316	3727614	3475093	3624585
<b>Total production</b>	1387739	1440581	1567116	1478831	1389842	1495046
<b>Estimated efficiency (% of production to input)</b>	38	39	40	40	40	41

## Statistics on electricity

### Kosovo

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	5981	5918	5915	6348	6713	6892
Combustible fuels	5736	5738	5611	6037	6348	6453
Hydro	245	179	273	210	263	297
Nuclear	..	..	..	..	..	..
Other	..	1	32	101	102	142
Main activity	5981	5918	5915	6348	6713	6892
Combustible fuels	5736	5738	5611	6037	6348	6453
Hydro	245	179	273	210	263	297
Nuclear	..	..	..	..	..	..
Other	..	1	32	101	102	142
Own use in electricity, CHP and heat plants	430	617	535	497	551	630
Net production	5551	5301	5381	5851	6161	6262
Imports	557	1242	825	928	966	3336
Exports	1064	880	677	905	1283	2649
Losses	1174	1317	1125	1145	945	1040
Consumption	3871	4338	4398	4714	4894	5802
Energy industries own use	0	..	..	..	..	..
By industry and construction	1048	1063	980	1043	1072	1142
By transport	..	..	..	..	..	..
By households and other cons.	2823	3275	3418	3671	3822	4660
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	1009	1409	1409	1417	1442	1446
Combustible fuels	915	1288	1288	1288	1288	1288
Hydro	86	80	80	85	110	110
Nuclear	..	..	..	..	..	..
Other	8	40	40	44	44	48
Main activity	1009	1409	1409	1417	1442	1446
Combustible fuels	915	1288	1288	1288	1288	1288
Hydro	86	80	80	85	110	110
Nuclear	..	..	..	..	..	..
Other	8	40	40	44	44	48
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Brown Coal	66473	55789	59501	62182	63282	64126
Gas-diesel oil	86	72	62	87	80	86
Fuel oil	121	72	71	71	99	99
<b>Total input</b>	66680	55932	59634	62340	63461	64310
<b>Total production</b>	20650	20657	20199	21732	22852	23229
<b>Estimated efficiency (% of production to input)</b>	31	37	34	35	36	36

## Statistics on electricity

### Kuwait

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	70100	73824	74157	75203	74956	80757
Combustible fuels	70085	73786	74099	75071	74743	80569
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	15	38	58	132	213	188
Main activity	70100	73824	74157	75203	74956	80757
Combustible fuels	70085	73786	74099	75071	74743	80569
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	15	38	58	132	213	188
Own use in electricity, CHP and heat plants	8183	7957	8370	8324	8600	8522
Net production	61917	65867	65787	66879	66356	72235
Imports	171	553	202	451	451	325
Exports	213	390	535	580	135	338
Losses	6188	6603	6545	6675	6667	7222
Consumption	55688	59427	58909	60075	60005	65000
Energy industries own use	15267	16292	16150	16470	16450	17820
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	40421	43135	42759	43605	43554	47180
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	18883	18767	18778	18779	20209	20236
Combustible fuels	18850	18723	18723	18723	20153	20180
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	33	44	55	56	56	56
Main activity	18883	18767	18778	18779	20209	20236
Combustible fuels	18850	18723	18723	18723	20153	20180
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	33	44	55	56	56	56
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Crude oil	23857	54019	36642	20209	153000	66636
Gas-diesel oil	33024	29953	20888	30949	26230	40972
Fuel oil	293950	252296	260576	237212	138850	241432
Natural gas	407319	403477	434116	466577	435986	451115
<b>Total input</b>	758151	739745	752223	754946	754066	800154
<b>Total production</b>	252306	265630	266756	270256	269075	290048
<b>Estimated efficiency (% of production to input)</b>	33	36	35	36	36	36

**Statistics on electricity**
**Kyrgyzstan**

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	13262	15514	15728	15100	15404	14815
Combustible fuels	1768	1311	1410	1256	1425	1858
Hydro	11494	14203	14318	13844	13979	12957
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	13236	15499	15689	15068	15378	14792
Combustible fuels	1742	1296	1371	1224	1399	1835
Hydro	11494	14203	14318	13844	13979	12957
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	182	136	194	142	447	166
Net production	13080	15378	15534	14958	14957	14649
Imports	330	..	..	269	352	1683
Exports	199	1215	755	271	302	548
Losses	2655	2844	2814	2514	2745	2738
Consumption	10428	11190	11965	12442	12262	13046
Energy industries own use	268	182	101	86	74	132
By industry and construction	1709	1763	2510	2190	1411	1729
By transport	45	46	44	31	17	23
By households and other cons.	8406	9199	9310	10135	10760	11162
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	*3786	3869	*3869	3869	3869	3869
Combustible fuels	*722	*734	*734	734	734	734
Hydro	*3064	3135	*3135	3135	3135	3135
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*3780	3863	*3863	3863	3863	3863
Combustible fuels	*716	*728	*728	728	728	728
Hydro	*3064	3135	*3135	3135	3135	3135
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	9922	6120	4043	527	2039	10685
Brown Coal	6389	6462	8367	8441	9730	14390
Gas-diesel oil	0	..	..	..	..	..
Fuel oil	364	566	1010	606	929	727
Natural gas	2710	1697	1142	1270	1207	2368
<b>Total input</b>	19385	14845	14563	10844	13905	28170
<b>Total production</b>	6365	4720	5076	4522	5130	6689
<b>Estimated efficiency (% of production to input)</b>	33	32	35	42	37	24

**Statistics on electricity**
**Lao People's Dem. Rep.**

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	25068	33227	36762	31133	*39967	*44931
Combustible fuels	7120	12441	13703	12194	*13665	*13798
Hydro	17946	20777	22999	18899	*26262	*31072
Nuclear	..	..	..	..	..	..
Other	2	9	60	40	*41	61
Main activity	25068	33227	36762	31133	*39967	*44931
Combustible fuels	7120	12441	13703	12194	*13665	*13798
Hydro	17946	20777	22999	18899	*26262	*31072
Nuclear	..	..	..	..	..	..
Other	2	9	60	40	*41	61
Own use in electricity, CHP and heat plants	2	0	1	0	*2	15
Net production	25066	33227	36761	31133	*39965	*44915
Imports	787	500	302	1345	*1331	*1358
Exports	19650	24901	27216	*22460	*28833	*34678
Losses	1673	3861	*4431	*3424	*5196	*4530
Consumption	4660	4966	5417	6596	*7268	*7065
Energy industries own use	..	..	..	..	..	..
By industry and construction	1916	2087	2286	3099	*3415	*3320
By transport	..	..	..	..	..	..
By households and other cons.	2744	2880	3130	3496	*3853	*3746
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	6460	6931	7187	8014	9998	11630
Combustible fuels	1918	1903	1909	*1909	*2600	*2817
Hydro	4538	5006	5256	6083	7376	8791
Nuclear	..	..	..	..	..	..
Other	4	22	22	22	*22	*22
Main activity	6460	6931	7187	8014	9998	11630
Combustible fuels	1918	1903	1909	*1909	*2600	*2817
Hydro	4538	5006	5256	6083	7376	8791
Nuclear	..	..	..	..	..	..
Other	4	22	22	22	*22	*22
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Brown Coal	116303	149008	*154224	*137305	*134810	*137660
Bagasse	*77	*425	*421	*425	*448	*517
<b>Total input</b>	116380	149432	*154645	*137729	*135258	*138177
<b>Total production</b>	25632	44788	49331	43898	*49192	*49671
<b>Estimated efficiency (% of production to input)</b>	22	30	32	32	36	36

## Statistics on electricity

### Latvia

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	6425	7531	6725	6438	5725	5846
Combustible fuels	3767	3000	4170	4174	2940	2990
Hydro	2530	4381	2432	2108	2603	2708
Nuclear	..	..	..	..	..	..
Other	128	150	123	157	182	148
Main activity	6214	7337	6535	6251	5543	5678
Combustible fuels	3560	2812	3984	3994	2767	2833
Hydro	2528	4377	2430	2106	2601	2706
Nuclear	..	..	..	..	..	..
Other	126	148	121	152	175	140
Own use in electricity, CHP and heat plants	499	506	522	491	283	302
Net production	5926	7025	6203	5947	5442	5544
Imports	4828	4073	5174	4611	4173	4666
Exports	3795	4137	4265	3493	2548	2894
Losses	476	474	448	427	377	385
Consumption	6482	6485	6662	6637	6689	6930
Energy industries own use	..	..	..	..	165	191
By industry and construction	1667	1763	1842	1846	1864	1946
By transport	105	105	104	101	94	98
By households and other cons.	4710	4617	4717	4690	4566	4695
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	2927	2941	2915	2938	2944	2939
Combustible fuels	1292	1299	1270	1270	1274	1268
Hydro	1564	1564	1565	1587	1586	1587
Nuclear	..	..	..	..	..	..
Other	71	78	80	81	83	84
Main activity	2883	2908	2881	2904	2905	2902
Combustible fuels	1251	1268	1239	1241	1243	1239
Hydro	1563	1563	1563	1585	1585	1586
Nuclear	..	..	..	..	..	..
Other	69	77	78	78	78	77
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	143	50	90	42	0	0
Peat	0	..	85	0	1	1
Biogas	3424	3569	3291	3033	3021	2464
Gas-diesel oil	0	6	4	3	1	0
Fuel oil	0	0	0	0	0	0
Liquefied petroleum gas	..	0	0	0	0	0
Other oil products	..	0	0	0	0	0
Natural gas	32978	18586	27058	26417	17267	17629
Fuelwood	*10331	*11070	*11693	*11341	*11159	*11748
Biodiesel	0	..	2	..	..	..
<b>Total input</b>	46876	33281	42222	40837	31448	31842
<b>Total production</b>	13561	10800	15012	15025	10584	10765
<b>Estimated efficiency (% of production to input)</b>	29	32	36	37	34	34

## Statistics on electricity

### Lebanon

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	21457	23411	23150	23819	18306	*13631
Combustible fuels	21047	22955	22754	22736	17161	*12655
Hydro	382	415	348	965	1025	*670
Nuclear	..	..	..	..	..	..
Other	28	41	48	118	*120	306
Main activity	13060	14498	15234	14702	12326	*7855
Combustible fuels	12678	14083	14886	13737	11301	*7185
Hydro	382	415	348	965	1025	*670
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	28	41	48	132	83	*78
Net production	21429	23370	23102	23687	18222	*13553
Imports	69	534	11	90	0	0
Exports	..	..	..	..	..	..
Losses	*1935	*2151	*2080	*2140	1873	*2152
Consumption	*19563	*21753	*21033	21637	16350	*11401
Energy industries own use	..	..	..	..	..	..
By industry and construction	*5126	*5700	*5511	*5669	4292	*3163
By transport	..	..	..	..	..	..
By households and other cons.	*14437	*16053	*15522	15968	12059	*8238
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	3665	3730	3736	3773	*3773	*4070
Combustible fuels	3359	3409	3409	3409	*3409	*3600
Hydro	280	282	282	282	282	282
Nuclear	..	..	..	..	..	..
Other	26	39	45	82	82	188
Main activity	2592	2594	2594	2594	*2594	*2785
Combustible fuels	2309	2309	2309	2309	*2309	*2500
Hydro	280	282	282	282	282	282
Nuclear	..	..	..	..	..	..
Other	3	3	3	3	3	3
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Biogas	..	..	83	415	257	..
Gas-diesel oil	126133	124593	122210	128969	*119727	*92992
Fuel oil	62844	77415	75581	70782	*63171	*51403
<b>Total input</b>	188976	202007	197874	200166	*183155	*144395
<b>Total production</b>	75769	82638	81914	81850	61780	*45558
<b>Estimated efficiency (% of production to input)</b>	40	41	41	41	34	32

## Statistics on electricity

### Lesotho

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	508	502	517	393	427	532
Combustible fuels	0	*1	1	1	*1	*1
Hydro	508	501	517	392	426	531
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	508	502	517	393	427	532
Combustible fuels	0	*1	1	1	*1	*1
Hydro	508	501	517	392	426	531
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	0	1	1	0	1	1
Net production	508	501	517	393	426	531
Imports	373	387	397	542	442	427
Exports	3	1	3	1	1	1
Losses	154	116	115	130	87	102
Consumption	*765	700	807	791	673	689
Energy industries own use	..	..	..	..	..	..
By industry and construction	*267	309	320	312	207	220
By transport	..	..	..	..	..	..
By households and other cons.	*498	391	487	479	466	469
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	81	75	75	75	75	76
Combustible fuels	*1	*1	1	1	1	1
Hydro	80	74	74	74	74	75
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Main activity	81	75	75	75	75	76
Combustible fuels	*1	*1	1	1	1	1
Hydro	80	74	74	74	74	75
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	*4	*4	*4	7	*7	*7
<b>Total input</b>	*4	*4	*4	7	*7	*7
<b>Total production</b>	*1	*2	2	2	*2	*2
<b>Estimated efficiency (% of production to input)</b>	35	56	54	35	31	30

**Statistics on electricity**
**Liberia**

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	*323	*478	*405	*418	*446	*478
Combustible fuels	*302	*351	*277	*290	*318	*249
Hydro	*21	*124	*124	*124	*124	223
Nuclear	..	..	..	..	..	..
Other	..	*3	*4	*4	*4	*5
Main activity	*123	*275	*201	*214	*242	273
Combustible fuels	*102	*151	*77	*90	*118	49
Hydro	*21	*124	*124	*124	*124	223
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	0
Own use in electricity, CHP and heat plants	*10	*10	*10	*10	*10	*10
Net production	*313	*468	*395	*408	*436	*468
Imports	*20	*20	*20	*20	*20	20
Exports	..	..	..	..	..	..
Losses	*66	*147	*137	*144	*152	*171
Consumption	*267	*341	*278	*284	*304	*317
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	*267	*341	*278	*284	*304	*317
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	*107	*194	*195	*195	*185	*161
Combustible fuels	*98	*100	*100	*100	*102	*98
Hydro	*9	*92	*92	*92	80	60
Nuclear	..	..	..	..	..	..
Other	0	*2	*3	*3	*3	*3
Main activity	37	*122	*122	*122	112	88
Combustible fuels	28	*30	*30	*30	32	28
Hydro	*9	*92	*92	*92	80	60
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	0
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	*3182	*3702	*2915	*3057	*3350	*2623
<b>Total input</b>	*3182	*3702	*2915	*3057	*3350	*2623
<b>Total production</b>	*1088	*1265	*997	*1045	*1146	*897
<b>Estimated efficiency (% of production to input)</b>	34	34	34	34	34	34

## Statistics on electricity

### Libya

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	31420	33282	34171	34629	29499	31020
Combustible fuels	31412	33274	34164	34621	29491	31011
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	8	8	8	8	8	9
Main activity	31420	33282	34171	34629	29499	31020
Combustible fuels	31412	33274	34164	34621	29491	31011
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	8	8	8	8	8	9
Own use in electricity, CHP and heat plants	1004	999	843	802	835	869
Net production	30416	32283	33328	33827	28664	30151
Imports	376	302	465	776	1259	784
Exports	..	..	..	..	..	..
Losses	6327	6683	6893	6985	5950	6257
Consumption	14000	14147	17621	17721	17631	18044
Energy industries own use	..	..	..	..	..	..
By industry and construction	1213	1225	1169	1038	732	940
By transport	..	..	..	..	..	..
By households and other cons.	12787	12922	16452	16683	16899	17104
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	10249	10243	10516	10516	*10516	*10517
Combustible fuels	10244	10238	10511	10511	*10511	*10511
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	5	5	5	5	5	6
Main activity	10249	10243	10516	10516	*10516	*10517
Combustible fuels	10244	10238	10511	10511	*10511	*10511
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	5	5	5	5	5	6
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	52632	79206	85152	87003	56459	58310
Fuel oil	32845	24278	31431	26061	21476	22636
Natural gas	266071	266448	261466	271271	252387	266550
<b>Total input</b>	351548	369932	378048	384334	330322	347496
<b>Total production</b>	113083	119786	122989	124635	106168	111639
<b>Estimated efficiency (% of production to input)</b>	32	32	33	32	32	32

## Statistics on electricity

### Liechtenstein

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	90	93	89	103	104	107
Combustible fuels	2	2	2	2	2	3
Hydro	68	69	62	75	72	74
Nuclear	..	..	..	..	..	..
Other	20	22	25	26	30	31
Main activity	90	93	89	103	104	107
Combustible fuels	2	2	2	2	2	3
Hydro	68	69	62	75	72	74
Nuclear	..	..	..	..	..	..
Other	20	22	25	26	30	31
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	90	93	89	103	104	107
Imports	309	314	321	307	299	311
Exports	..	..	..	..	..	..
Losses	..	..	..	..	..	..
Consumption	399	407	410	410	402	418
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	399	407	410	410	402	418
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	*23	*24	*26	*27	*29	*29
Combustible fuels	*1	*1	*1	*1	*1	*1
Hydro	*10	*10	*10	*10	*10	*10
Nuclear	..	..	..	..	..	..
Other	*12	*13	*15	*16	*18	*18
Main activity	*23	*24	*26	*27	*29	*29
Combustible fuels	*1	*1	*1	*1	*1	*1
Hydro	*10	*10	*10	*10	*10	*10
Nuclear	..	..	..	..	..	..
Other	*12	*13	*15	*16	*18	*18
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Biogas	*1	*1	0	*1	*1	*1
Natural gas	*26	*25	*20	*21	*20	*26
Municipal waste	0	0	0	0	0	0
<b>Total input</b>	*27	*26	*20	*22	*21	*27
<b>Total production</b>	9	8	6	8	7	9
<b>Estimated efficiency (% of production to input)</b>	32	32	32	34	32	33

## Statistics on electricity

### Lithuania

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	4266	4187	3511	3972	5518	5079
Combustible fuels	1750	1324	1089	1210	2550	2240
Hydro	1044	1181	960	948	1080	1094
Nuclear	..	..	..	..	..	..
Other	1472	1682	1462	1814	1887	1745
Main activity	3378	3361	2864	3151	4702	4382
Combustible fuels	1132	748	674	612	1941	1735
Hydro	1044	1181	960	948	1080	1094
Nuclear	..	..	..	..	..	..
Other	1202	1432	1231	1591	1681	1553
Own use in electricity, CHP and heat plants	215	191	197	207	256	268
Net production	4051	3996	3314	3765	5261	4810
Imports	11106	11926	12848	13268	12013	12479
Exports	2831	3249	3215	3924	4105	3435
Losses	907	914	935	886	952	926
Consumption	11416	11757	12010	12219	12216	12925
Energy industries own use	1666	1697	1611	1678	1861	1771
By industry and construction	3417	3635	3686	3794	3739	3928
By transport	72	74	80	78	73	79
By households and other cons.	6261	6350	6633	6670	6544	7147
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	3665	3326	3354	3378	3491	3709
Combustible fuels	2184	1832	1837	1839	1885	1881
Hydro	877	877	877	877	877	877
Nuclear	..	..	..	..	..	..
Other	604	617	640	662	729	951
Main activity	3387	3046	3074	3096	3209	3428
Combustible fuels	1931	1577	1582	1582	1628	1625
Hydro	877	877	877	877	877	877
Nuclear	..	..	..	..	..	..
Other	579	592	615	637	704	926
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	0	0	0	0	0	0
Peat	0	0	0	0	0	0
Biogas	996	1004	1209	1264	1236	1254
Fuel oil	1091	634	606	263	634	404
Liquefied petroleum gas	0	0	0	0	0	0
Refinery gas	396	282	366	198	248	391
Natural gas	14542	11180	9045	8339	15591	13629
Fuelwood	*5911	*7192	*7887	*7835	*8447	*8811
Municipal waste	2480	2443	1678	1503	2612	4764
Industrial waste	486	181	584	665	927	1196
Others	0	0	0	0	0	0
<b>Total input</b>	25902	22916	21375	20067	29695	30449
<b>Total production</b>	6300	4766	3921	4357	9181	8063
<b>Estimated efficiency (% of production to input)</b>	24	21	18	22	31	26

## Statistics on electricity

### Luxembourg

Item	2016	2017	2018	2019	2020	2021
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	2196	2235	2200	1908	2234	2211
Combustible fuels	467	470	490	547	628	632
Hydro	1528	1422	1337	949	1094	1085
Nuclear	..	..	..	..	..	..
Other	201	343	373	412	512	495
Main activity	1911	1957	1918	1623	1926	1919
Combustible fuels	290	304	331	398	485	504
Hydro	1520	1418	1332	944	1090	1080
Nuclear	..	..	..	..	..	..
Other	101	235	255	281	351	335
Own use in electricity, CHP and heat plants	28	30	30	31	29	31
Net production	2168	2205	2170	1877	2205	2180
Imports	7718	7567	7553	6818	6543	6758
Exports	1420	1389	1392	939	1079	1037
Losses	158	156	155	156	146	154
Consumption	8309	8227	8176	7600	7524	7747
Energy industries own use	1943	1834	1717	1203	1404	1354
By industry and construction	3432	3008	3175	3006	2850	3034
By transport	138	142	151	157	149	166
By households and other cons.	2796	3243	3133	3233	3121	3193
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	1710	1706	1712	1775	1808	1878
Combustible fuels	138	127	128	149	138	134
Hydro	1330	1331	1330	1330	1331	1331
Nuclear	..	..	..	..	..	..
Other	242	248	254	296	339	414
Main activity	1509	1520	1527	1560	1576	1645
Combustible fuels	61	72	76	95	95	90
Hydro	1328	1329	1329	1329	1329	1329
Nuclear	..	..	..	..	..	..
Other	120	120	123	136	153	227
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Biogas	448	447	485	483	456	468
Gas-diesel oil	43	8	4	5	4	1
Natural gas	3620	3224	2769	2695	2642	2626
Fuelwood	*612	*1122	*1971	*3386	*5667	*6087
Municipal waste	1400	1557	1552	1567	1441	1412
<b>Total input</b>	6123	6358	6781	8136	*10209	*10594
<b>Total production</b>	1681	1692	1763	1971	2260	2274
<b>Estimated efficiency (% of production to input)</b>	27	27	26	24	22	21