

Statistics on electricity
Gabon

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	1998	2127	2338	2278	2280	2284
Combustible fuels	1202	1207	1383	1347	1297	1301
Hydro	794	918	953	929	981	981
Nuclear	..	..	..	..	..	..
Other	2	2	2	2	2	2
Main activity	1784	1907	2112	2039	2050	2058
Combustible fuels	990	989	1159	1115	1075	1083
Hydro	794	918	953	924	975	975
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	99	95	102	102	96	101
Net production	1899	2032	2236	2176	2184	2183
Imports	388	337	344	456	511	511
Exports	..	..	..	..	..	..
Losses	452	476	518	431	454	389
Consumption	1835	1893	2062	2201	2240	2305
Energy industries own use	40	41	45	46	47	47
By industry and construction	487	502	547	648	653	675
By transport	7	7	8	8	8	8
By households and other cons.	1301	1343	1462	1499	1532	1574
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	509	511	523	533	751	*784
Combustible fuels	338	340	352	359	418	*451
Hydro	170	170	170	173	332	332
Nuclear	..	..	..	..	..	..
Other	*1	*1	*1	*1	*1	*1
Main activity	438	440	452	460	663	*696
Combustible fuels	268	270	282	289	333	*366
Hydro	170	170	170	171	330	330
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	2580	2709	2666	2904	2656	2095
Fuel oil	81	..	..	..	..	..
Natural gas	12147	13265	15031	15253	14848	15523
Fuelwood	*301	*320	332	334	*336	*348
Total input	15109	16294	18029	18491	17840	17967
Total production	4327	4345	4979	4849	4670	4685
Estimated efficiency (% of production to input)	29	27	28	26	26	26

Statistics on electricity

Gambia

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	258	286	302	317	*321	*325
Combustible fuels	254	283	299	314	*318	*321
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*4	*4	*4	*4	*4	*4
Main activity	222	250	265	280	*284	*287
Combustible fuels	219	246	262	277	*280	*283
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*4	*4	*4	*4	*4	*4
Own use in electricity, CHP and heat plants	*11	*11	*11	*12	*13	*13
Net production	247	275	291	305	*309	*312
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*52	*55	*58	*68	*69	*70
Consumption	*195	*220	*233	*237	*239	*242
Energy industries own use	..	..	..	..	..	..
By industry and construction	*35	*37	*39	*40	*41	*41
By transport	..	..	..	..	..	..
By households and other cons.	*160	*183	*193	*197	*199	*201
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	117	*120	*121	*121	*126	*137
Combustible fuels	114	*116	*117	*118	*123	*134
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	3	3	3	3	*3	*3
Main activity	83	*85	*86	*86	*90	*101
Combustible fuels	80	*81	*82	*82	*87	*98
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	3	3	3	3	*3	*3
Combustible fuel input	Terajoules					
Gas-diesel oil	*2146	*2417	*2507	*2593	*2627	*2653
Fuel oil	*889	*889	*889	*929	*941	*949
Total input	*3035	*3305	*3396	*3522	*3569	*3603
Total production	915	1018	1075	1129	*1144	*1156
Estimated efficiency (% of production to input)	30	31	32	32	32	32

Statistics on electricity
Georgia

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	10371	10833	11574	11531	12149	11857
Combustible fuels	2036	2379	2236	2233	2115	2840
Hydro	8335	8454	9329	9210	9949	8932
Nuclear	..	..	..	..	..	..
Other	..	..	9	88	84	85
Main activity	10371	10833	11574	11531	12149	11857
Combustible fuels	2036	2379	2236	2233	2115	2840
Hydro	8335	8454	9329	9210	9949	8932
Nuclear	..	..	..	..	..	..
Other	..	..	9	88	84	85
Own use in electricity, CHP and heat plants	217	240	209	215	215	236
Net production	10154	10592	11365	11316	11934	11620
Imports	853	699	1329	1751	1522	1763
Exports	604	660	1409	940	602	380
Losses	600	711	784	904	886	918
Consumption	9801	9921	10501	11224	11950	12085
Energy industries own use	17	14	14	15	13	26
By industry and construction	2816	2752	2902	3295	3306	3253
By transport	267	294	301	337	366	419
By households and other cons.	6701	6861	7284	7578	8266	8388
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	2995	2993	3299	3592	3591	3712
Combustible fuels	615	615	849	849	876	1108
Hydro	2380	2378	2430	2723	2695	2583
Nuclear	..	..	..	..	..	..
Other	..	..	20	20	20	21
Main activity	2995	2993	3299	3592	3591	3712
Combustible fuels	615	615	849	849	876	1108
Hydro	2380	2378	2430	2723	2695	2583
Nuclear	..	..	..	..	..	..
Other	..	..	20	20	20	21
Combustible fuel input	Terajoules					
Brown Coal	..	..	451	634	359	0
Gas-diesel oil	0	0	0	..	..	..
Natural gas	21963	24976	20080	20408	19304	26653
Total input	21963	24976	20530	21042	19662	26653
Total production	7330	8563	8048	8039	7614	10225
Estimated efficiency (% of production to input)	33	34	39	38	39	38

Statistics on electricity

Germany

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	627806	648310	650450	653723	642900	609065
Combustible fuels	408559	410318	419596	404286	385552	334353
Hydro	25444	24898	26135	26155	23863	25671
Nuclear	97129	91786	84634	76324	76005	75071
Other	96674	121308	120085	146958	157480	173970
Main activity	582357	598096	595587	596946	587943	555729
Combustible fuels	364685	361485	366199	348797	331767	282035
Hydro	25282	24741	25959	25983	23776	25573
Nuclear	97129	91786	84634	76324	76005	75071
Other	95261	120084	118795	145842	156395	173050
Own use in electricity, CHP and heat plants	36933	38018	36717	34670	33988	30202
Net production	590873	610292	613733	619053	608912	578863
Imports	40435	37008	28338	27842	31727	40126
Exports	74320	85290	78863	80301	80463	72793
Losses	24159	25605	25759	27024	26661	27474
Consumption	532829	536405	537449	539570	533516	518722
Energy industries own use	21072	21457	20494	20617	20860	19208
By industry and construction	232862	228825	230574	232227	230527	223448
By transport	11523	11148	11739	11957	12087	11605
By households and other cons.	267372	274975	274642	274769	270042	264461
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	197506	203257	208217	215326	228795	231821
Combustible fuels	97203	96967	95716	95134	103030	101389
Hydro	11234	11255	11207	11120	10684	10733
Nuclear	12074	10799	10799	10799	10799	9525
Other	76995	84236	90495	98273	104282	110174
Main activity	187699	192539	197629	203747	216807	219787
Combustible fuels	87747	86552	85409	83824	91301	89570
Hydro	11190	11212	11164	11078	10652	10698
Nuclear	12074	10799	10799	10799	10799	9525
Other	76688	83976	90257	98046	104055	109994
Combustible fuel input	Terajoules					
Hard Coal	1162815	1127187	1090750	875477	801479	600098
Brown Coal	1468554	1460006	1411719	1394434	1354287	1064141
Lignite briquettes	18068	19628	18666	15754	17253	15279
Biogas	224008	235765	238590	238280	237255	236517
Other oil products	22110	26452	21507	21467	18974	17688
Natural gas	554407	555457	707551	749713	720855	780525
Coke-oven gas	17522	22759	24647	27371	27192	24384
Blast furnace gas	69845	69659	73166	71768	66613	63736
Fuelwood	*125897	*127292	*121485	*119451	*125757	*126409
Municipal waste	189580	179782	194092	196030	186036	182412
Others	61360	60340	63641	63472	51893	54515
Total input	3914165	3884326	3965815	3773217	3607594	3165705
Total production	1470812	1477145	1510546	1455430	1387987	1203671
Estimated efficiency (% of production to input)	38	38	38	39	38	38

Statistics on electricity

Ghana

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	13143	11672	13203	14248	16425	18368
Combustible fuels	4752	5824	7615	8604	10375	11065
Hydro	8387	5845	5561	5616	6017	7252
Nuclear	..	..	..	..	..	..
Other	4	3	27	28	33	52
Main activity	12963	11492	13023	14068	16245	18188
Combustible fuels	4572	5644	7435	8424	10195	10885
Hydro	8387	5845	5561	5616	6017	7252
Nuclear	..	..	..	..	..	..
Other	4	3	27	28	33	52
Own use in electricity, CHP and heat plants	58	38	180	181	179	180
Net production	13085	11634	13023	14067	16246	18188
Imports	51	223	745	320	140	127
Exports	522	587	187	268	740	1430
Losses	1739	613	876	805	1192	1184
Consumption	10694	10625	12528	13037	14401	15232
Energy industries own use	..	..	..	..	..	..
By industry and construction	3262	4185	4612	4583	5029	5260
By transport	4	5	7	8	9	11
By households and other cons.	7428	6435	7910	8446	9362	9962
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	3041	3866	4005	4609	5099	5382
Combustible fuels	1458	2263	2402	3006	3476	3759
Hydro	1580	1580	1580	1580	1580	1580
Nuclear	..	..	..	..	..	..
Other	3	23	23	23	43	43
Main activity	2831	3656	3795	4399	4889	5172
Combustible fuels	1248	2053	2192	2796	3266	3549
Hydro	1580	1580	1580	1580	1580	1580
Nuclear	..	..	..	..	..	..
Other	3	23	23	23	43	43
Combustible fuel input	Terajoules					
Crude oil	25211	12394	25380	10448	42	5752
Gas-diesel oil	65	..	..	1327	613	489
Liquefied petroleum gas	..	..	..	3888	5015	1881
Natural gas	25805	46343	28072	44757	55851	78499
Total input	51080	58737	53452	60420	61521	86620
Total production	17107	20966	27414	30974	37350	39834
Estimated efficiency (% of production to input)	33	36	51	51	61	46

Statistics on electricity

Gibraltar

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	198	224	214	180	215	220
Combustible fuels	198	224	214	180	215	220
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	0	0	0	0
Main activity	198	224	214	180	215	220
Combustible fuels	198	224	214	180	215	220
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	0	0	0	0
Own use in electricity, CHP and heat plants	4	4	4	4	4	4
Net production	194	220	210	176	211	215
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	6	7	6	6	7	7
Consumption	188	213	204	171	204	209
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	188	213	204	171	204	209
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	43	*43	*43	*43	*43	*43
Combustible fuels	43	*43	*43	*43	*43	*43
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	0	0	0	0
Main activity	43	*43	*43	*43	*43	*43
Combustible fuels	43	*43	*43	*43	*43	*43
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	0	0	0	0
Combustible fuel input	Terajoules					
Fuel oil	1939	2182	2060	1737	2101	1411
Natural gas	..	..	..	..	..	732
Total input	1939	2182	2060	1737	2101	2144
Total production	713	806	770	648	774	791
Estimated efficiency (% of production to input)	37	37	37	37	37	37

Statistics on electricity

Greece

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	50474	51874	54439	55266	53263	48626
Combustible fuels	38386	37203	39798	41698	37412	32880
Hydro	4607	6150	5565	4040	5760	4051
Nuclear	..	..	..	..	..	..
Other	7481	8521	9076	9528	10091	11695
Main activity	48682	49534	52492	53333	51048	46146
Combustible fuels	36594	34863	37851	39765	35197	30400
Hydro	4607	6150	5565	4040	5760	4051
Nuclear	..	..	..	..	..	..
Other	7481	8521	9076	9528	10091	11695
Own use in electricity, CHP and heat plants	3772	4068	4212	4677	2482	3069
Net production	46702	47806	50227	50589	50781	45557
Imports	9461	11081	9833	8696	8550	11067
Exports	642	1473	1037	2459	2272	1123
Losses	4149	4895	3957	1102	5242	3692
Consumption	51372	52519	55066	55724	51120	51809
Energy industries own use	1872	1732	1703	1755	1650	1611
By industry and construction	12869	12668	11285	12284	12414	12308
By transport	343	388	186	188	202	203
By households and other cons.	36288	37731	41892	41497	36854	37687
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	18895	18942	19165	19427	19582	20479
Combustible fuels	10932	10855	10799	10805	10644	10644
Hydro	3389	3392	3392	3392	3409	3412
Nuclear	..	..	..	..	..	..
Other	4574	4695	4974	5230	5529	6423
Main activity	18390	18381	18597	18856	19014	19911
Combustible fuels	10427	10294	10231	10234	10076	10076
Hydro	3389	3392	3392	3392	3409	3412
Nuclear	..	..	..	..	..	..
Other	4574	4695	4974	5230	5529	6423
Combustible fuel input	Terajoules					
Brown Coal	271373	226190	174176	192615	185398	125530
Biogas	2961	3138	3623	3710	3790	3752
Gas-diesel oil	10320	11137	11911	13944	11777	9112
Fuel oil	35754	35592	25816	36667	36378	36324
Liquefied petroleum gas	142	0	2034	189	..	..
Refinery gas	11435	16781	14850	6647	7103	10301
Natural gas	59593	61257	103888	132678	125276	140266
Fuelwood	..	*19	*138	*145	*205	*784
Industrial waste	868	1030	1364	0	1213	1758
Biodiesel	..	..	..	7	0	1
Total input	392445	355144	337800	386602	371141	327827
Total production	138190	133931	143273	150112	134683	118370
Estimated efficiency (% of production to input)	35	38	42	39	36	36

Statistics on electricity

Greenland

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	488	520	490	518	*530	*520
Combustible fuels	92	97	89	130	*130	*128
Hydro	396	423	401	388	*400	*392
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	488	520	490	518	*530	*520
Combustible fuels	92	97	89	130	*130	*128
Hydro	396	423	401	388	*400	*392
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	16	17	15	16	*15	*20
Net production	472	504	476	502	*515	*500
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*12	*12	*12	13	*10	*10
Consumption	319	331	320	328	*347	*330
Energy industries own use	..	..	..	..	..	..
By industry and construction	45	47	51	52	*53	*53
By transport	..	..	..	..	..	..
By households and other cons.	274	284	269	275	*294	*277
Net installed capacity	Thousand kilowatts					
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	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	1138	1321	1074	1107	*1075	*1075
Municipal waste	92	98	94	94	*94	*94
Total input	1230	1419	1168	1201	*1169	*1169
Total production	330	350	322	467	*468	*461
Estimated efficiency (% of production to input)	27	25	28	39	40	39

Statistics on electricity
Grenada

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	201	208	221	230	234	243
Combustible fuels	200	207	218	227	231	239
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	1	2	3	3	3
Main activity	201	207	219	228	231	239
Combustible fuels	200	206	217	225	228	236
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	1	2	3	3	3
Own use in electricity, CHP and heat plants	7	8	14	15	10	5
Net production	195	201	207	215	224	237
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	15	17	18	19	16	15
Consumption	179	184	194	200	208	217
Energy industries own use	..	..	..	..	..	..
By industry and construction	6	6	5	6	6	6
By transport	..	..	..	..	..	..
By households and other cons.	173	178	188	194	202	211
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	49	49	50	52	54	55
Combustible fuels	48	48	48	50	52	52
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	2	2	2	3
Main activity	48	48	50	52	54	55
Combustible fuels	48	48	48	50	52	52
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	2	2	2	3
Combustible fuel input	Terajoules					
Gas-diesel oil	1642	1823	1944	2016	2173	*2343
Total input	1642	1823	1944	2016	2173	*2343
Total production	721	745	786	815	831	861
Estimated efficiency (% of production to input)	44	41	40	40	38	37

Statistics on electricity

Guam

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*1703	1702	1720	1760	1715	1724
Combustible fuels	*1703	1681	1668	1708	1663	1672
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	22	52	52	52	52
Main activity	*1703	1702	1720	1760	1715	1724
Combustible fuels	*1703	1681	1668	1708	1663	1672
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	22	52	52	52	52
Own use in electricity, CHP and heat plants	*86	83	65	66	63	67
Net production	*1618	1619	1655	1694	1652	1657
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*84	79	81	84	85	88
Consumption	1533	1540	1574	1610	1567	1568
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	1533	1540	1574	1610	1567	1568
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	552	498	498	446	446	445
Combustible fuels	552	472	472	420	420	420
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	26	26	26	26	25
Main activity	552	498	498	446	446	445
Combustible fuels	552	472	472	420	420	420
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	26	26	26	26	25
Combustible fuel input	Terajoules					
Total input	..	..	..	..	..	..
Total production	*6132	6050	6004	6148	5985	6017
Estimated efficiency (% of production to input)	..	..	..	..	..	..

Statistics on electricity

Guatemala

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	10638	11157	11789	12272	13568	*14083
Combustible fuels	5531	6769	7122	5816	7572	*8855
Hydro	4853	3880	3971	5787	5218	4497
Nuclear	..	..	..	..	..	..
Other	254	508	696	669	778	732
Main activity	9782	10302	10878	11490	12522	*12748
Combustible fuels	4703	5942	6231	5055	6554	*7547
Hydro	4825	3852	3951	5765	5191	4470
Nuclear	..	..	..	..	..	..
Other	254	508	696	669	778	732
Own use in electricity, CHP and heat plants	855	747	868	886	775	787
Net production	9783	10410	10921	11386	12793	*13297
Imports	708	585	747	891	825	1141
Exports	1207	1087	1335	1858	2500	2190
Losses	330	333	383	373	903	1587
Consumption	8953	9466	9907	10115	10220	10660
Energy industries own use	..	..	..	..	..	..
By industry and construction	3329	3547	3621	3707	3695	4017
By transport	..	..	..	..	..	..
By households and other cons.	5624	5919	6286	6408	6525	6644
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	2626	3139	3442	3356	3499	4042
Combustible fuels	1624	1905	1942	1845	1770	2234
Hydro	964	1039	1306	1311	1492	1560
Nuclear	..	..	..	..	..	..
Other	39	194	194	200	237	249
Main activity	2152	2449	2737	2677	2846	3387
Combustible fuels	1154	1219	1241	1170	1122	1584
Hydro	959	1035	1302	1307	1487	1555
Nuclear	..	..	..	..	..	..
Other	39	194	194	200	237	249
Combustible fuel input	Terajoules					
Hard Coal	30931	44340	52079	43218	51029	49813
Biogas	125	198	186	308	430	308
Gas-diesel oil	69	137	80	114	62	114
Fuel oil	11165	12644	8707	4074	3423	4129
Petroleum coke	..	..	..	..	1751	..
Fuelwood	..	37	12	5	2	..
Bagasse	56283	55979	85152	53779	51340	53779
Total input	98573	113335	146215	101497	108037	108143
Total production	19911	24370	25638	20939	27259	*31877
Estimated efficiency (% of production to input)	20	22	18	21	25	29

Statistics on electricity

Guernsey

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	227	157	87	77	54	165
Combustible fuels	227	157	87	77	54	164
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	*1
Main activity	227	157	87	77	54	165
Combustible fuels	227	157	87	77	54	164
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	*1
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	227	157	87	77	54	165
Imports	156	218	285	294	319	204
Exports	..	..	..	..	..	..
Losses	19	28	23	17	25	22
Consumption	365	347	349	354	348	348
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	365	347	349	354	348	348
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*115	*115	*115	*132	*132	*132
Combustible fuels	*115	*115	*115	*132	*132	*132
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	0	0
Main activity	*115	*115	*115	*132	*132	*132
Combustible fuels	*115	*115	*115	*132	*132	*132
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	0	0
Combustible fuel input	Terajoules					
Gas-diesel oil	*49	*49	*43	*43	*43	*43
Fuel oil	*1903	*1329	*727	*646	*444	*1370
Total input	*1951	*1378	*770	*689	*487	*1413
Total production	818	565	315	277	194	592
Estimated efficiency (% of production to input)	42	41	41	40	40	42

Statistics on electricity

Guinea

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	713	1118	1596	1753	1914	2019
Combustible fuels	287	238	512	541	732	*740
Hydro	426	881	1084	1212	1182	1280
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	552	945	1117	1288	1295	1394
Combustible fuels	126	64	34	76	114	*115
Hydro	426	881	1084	1212	1182	1280
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	14	22	32	35	38	*41
Net production	698	1096	1564	1718	1876	1979
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*107	*168	*239	*263	*287	*303
Consumption	*591	*928	*1324	*1455	1588	*1676
Energy industries own use	..	..	..	..	..	..
By industry and construction	*239	*432	*617	*620	*676	*714
By transport	..	..	..	..	..	..
By households and other cons.	*352	*496	*707	*835	912	*962
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	279	596	593	610	615	621
Combustible fuels	153	228	226	*243	*248	*254
Hydro	125	367	367	367	367	367
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	227	496	444	460	467	471
Combustible fuels	101	128	77	*93	*100	*104
Hydro	125	367	367	367	367	367
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	*1032	*538	*237	*516	*731	*774
Fuel oil	*2060	*1899	*5010	*5131	*6626	*6747
Total input	*3092	*2436	*5246	*5647	*7357	*7521
Total production	1032	855	1842	1947	2636	*2663
Estimated efficiency (% of production to input)	33	35	35	34	36	35

Statistics on electricity

Guinea-Bissau

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*28	*58	*79	*80	*81	*82
Combustible fuels	*28	*58	*79	*79	*80	*80
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	1	1	2
Main activity	*22	*45	*60	*61	*62	*63
Combustible fuels	*22	*45	*60	*60	*61	*61
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	1	1	2
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	*28	*58	*79	*80	*81	*82
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	..	..	..	..	..	..
Consumption	*28	*58	*79	79	*82	*86
Energy industries own use	..	..	..	..	..	..
By industry and construction	*8	*15	*22	22	*23	*24
By transport	..	..	..	..	..	..
By households and other cons.	*21	*43	*56	56	*59	*61
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*24	*23	*27	*27	*27	*28
Combustible fuels	*24	*23	*27	*26	*26	*27
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	1	1	1
Main activity	*22	*19	*21	*22	*22	*22
Combustible fuels	*22	*19	*21	*21	*21	*21
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	1	1	1
Combustible fuel input	Terajoules					
Gas-diesel oil	*305	*576	*800	*796	*843	*843
Total input	*305	*576	*800	*796	*843	*843
Total production	*102	*209	*283	*284	*287	*290
Estimated efficiency (% of production to input)	34	36	35	36	34	34

Statistics on electricity
Guyana

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	979	1004	1081	1105	1136	1135
Combustible fuels	977	999	1076	1098	1125	1123
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	5	5	7	11	11
Main activity	901	941	999	1022	1054	1105
Combustible fuels	899	935	994	1015	1043	1094
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	5	5	7	11	11
Own use in electricity, CHP and heat plants	29	6	31	12	33	22
Net production	950	998	1050	1092	1103	1112
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	215	219	224	233	235	247
Consumption	735	789	826	859	868	869
Energy industries own use	..	..	..	..	..	..
By industry and construction	306	307	321	334	337	325
By transport	..	..	..	..	..	..
By households and other cons.	430	483	505	526	531	545
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	359	369	360	348	348	335
Combustible fuels	358	366	356	343	340	327
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	3	3	5	8	8
Main activity	305	315	306	298	297	293
Combustible fuels	304	312	302	293	289	285
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	3	3	5	8	8
Combustible fuel input	Terajoules					
Gas-diesel oil	2819	2532	2635	3096	3335	4018
Fuel oil	7137	7502	8118	7908	8356	8482
Fuelwood	..	..	..	..	..	53
Bagasse	480	621	448	327	231	155
Total input	10436	10655	11200	11331	11921	12709
Total production	3518	3595	3874	3951	4049	4044
Estimated efficiency (% of production to input)	34	34	35	35	34	32

Statistics on electricity

Haiti

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	1034	1040	1086	1058	1048	1064
Combustible fuels	943	955	1013	928	848	860
Hydro	90	83	71	127	197	200
Nuclear	..	..	..	..	..	..
Other	1	2	2	3	3	3
Main activity	984	996	1049	1035	1027	1042
Combustible fuels	893	911	976	905	827	839
Hydro	90	83	71	127	197	200
Nuclear	..	..	..	..	..	..
Other	1	2	2	3	3	3
Own use in electricity, CHP and heat plants	11	17	17	17	18	18
Net production	1023	1023	1069	1041	1031	1046
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	613	608	617	624	634	643
Consumption	410	411	417	422	428	435
Energy industries own use	..	..	..	..	..	..
By industry and construction	184	184	187	189	192	195
By transport	..	..	..	..	..	..
By households and other cons.	226	227	230	233	236	240
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*321	*333	*336	*344	*352	*471
Combustible fuels	*259	*271	*274	*282	*290	*390
Hydro	61	61	61	61	61	78
Nuclear	..	..	..	..	..	..
Other	1	1	1	1	1	3
Main activity	*228	*237	*240	*245	*250	*333
Combustible fuels	*166	*175	*178	*183	*188	*253
Hydro	61	61	61	61	61	78
Nuclear	..	..	..	..	..	..
Other	1	1	1	1	1	3
Combustible fuel input	Terajoules					
Gas-diesel oil	5418	5461	5289	3856	3482	3534
Fuel oil	6908	6908	7797	8284	7725	7839
Total input	12326	12369	13086	12140	11207	11373
Total production	3395	3438	3647	3340	3052	3098
Estimated efficiency (% of production to input)	28	28	28	28	27	27

Statistics on electricity

Honduras

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	8421	8978	9219	9385	9629	10439
Combustible fuels	5421	5535	5505	4820	4253	5779
Hydro	2602	2360	2246	2971	3158	2430
Nuclear	..	..	..	..	..	..
Other	398	1083	1468	1595	2219	2230
Main activity	7650	8051	7950	7875	7982	8595
Combustible fuels	4650	4608	4236	3309	2606	3935
Hydro	2602	2360	2246	2971	3158	2430
Nuclear	..	..	..	..	..	..
Other	398	1083	1468	1595	2219	2230
Own use in electricity, CHP and heat plants	14	14	14	14	14	14
Net production	8407	8965	9205	9372	9616	10425
Imports	827	152	314	446	372	260
Exports	505	2	16	25	8	6
Losses	2885	2929	3125	2858	2991	3292
Consumption	5844	6185	6377	6935	6988	7388
Energy industries own use	..	..	..	..	..	..
By industry and construction	1837	2007	2014	2143	2229	2531
By transport	..	..	..	..	..	..
By households and other cons.	4007	4179	4363	4792	4760	4857
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	1897	2292	2456	2663	2740	2770
Combustible fuels	1121	1104	1209	1267	1254	1257
Hydro	624	648	663	685	715	730
Nuclear	..	..	..	..	..	..
Other	152	540	584	711	771	783
Main activity	1755	2022	2092	2269	2371	2416
Combustible fuels	979	834	845	873	885	903
Hydro	624	648	663	685	715	730
Nuclear	..	..	..	..	..	..
Other	152	540	584	711	771	783
Combustible fuel input	Terajoules					
Hard Coal	1617	1184	1675	29	..	..
Gas-diesel oil	1161	1574	1195	370	1114	2146
Fuel oil	38501	37257	30429	23315	17449	27121
Liquefied petroleum gas	..	..	..	..	1201	1641
Petroleum coke	..	..	..	7053	10530	11005
Fuelwood	*7002	2	3	2	1	1
Bagasse	..	1835	1981	2088	21848	12889
Vegetal waste	..	787	1901	1922	1498	1708
Total input	48281	42639	37185	34778	53641	56510
Total production	19516	19926	19818	17352	15310	20805
Estimated efficiency (% of production to input)	40	47	53	50	29	37

Statistics on electricity

Hungary

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	29403	30360	31902	32885	32039	34154
Combustible fuels	12674	13395	14583	15377	14697	15292
Hydro	301	234	259	220	222	219
Nuclear	15649	15834	16054	16098	15733	16288
Other	779	897	1006	1190	1387	2355
Main activity	28737	29554	30893	31616	30489	32179
Combustible fuels	12130	12792	13863	14502	13742	14239
Hydro	301	234	259	220	222	219
Nuclear	15649	15834	16054	16098	15733	16288
Other	657	694	717	796	792	1433
Own use in electricity, CHP and heat plants	2262	2210	2354	2186	2173	2141
Net production	27141	28150	29548	30699	29866	32013
Imports	19079	19935	17951	19803	18613	19853
Exports	5689	6249	5240	6925	4265	7269
Losses	3631	3695	3566	3456	3357	3292
Consumption	35899	37439	38262	39647	40587	41477
Energy industries own use	1162	1148	1110	1154	1169	1161
By industry and construction	14696	15403	16002	16735	17234	17777
By transport	1156	1171	1177	1208	1207	1189
By households and other cons.	18885	19717	19973	20550	20977	21350
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	8667	8634	8758	8860	9256	9914
Combustible fuels	6179	6062	6100	6090	6088	6079
Hydro	57	57	57	57	57	58
Nuclear	2000	2000	2000	2000	2013	2013
Other	431	515	601	713	1098	1764
Main activity	8393	8258	8290	8268	8521	8889
Combustible fuels	6007	5856	5878	5837	5837	5793
Hydro	57	57	57	57	57	58
Nuclear	2000	2000	2000	2000	2013	2013
Other	329	345	355	374	614	1025
Combustible fuel input	Terajoules					
Hard Coal	29	0	2989	1001	869	1069
Brown Coal	64078	63146	60077	53838	54874	42046
Biogas	2113	2202	2529	2612	2546	2466
Fuel oil	525	444	404	566	606	364
Natural gas	44671	49177	59535	69551	64381	73778
Coke-oven gas	1786	1284	2021	1722	2055	1957
Blast furnace gas	2141	2894	2130	2895	3056	2801
Fuelwood	*21531	*21071	*19129	*20873	*21957	*21341
Municipal waste	4096	4827	5194	4314	4398	4308
Industrial waste	398	807	1782	938	1222	1334
Others	305	354	305	424	351	311
Total input	141674	146207	156094	158734	156315	151775
Total production	45626	48222	52499	55357	52909	55051
Estimated efficiency (% of production to input)	32	33	34	35	34	36

Statistics on electricity

Iceland

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	18123	18799	18550	19239	19830	19489
Combustible fuels	3	4	3	2	2	3
Hydro	12873	13781	13470	14059	13814	13461
Nuclear	..	..	..	..	..	..
Other	5247	5014	5077	5178	6014	6025
Main activity	18123	18799	18550	19239	19830	19489
Combustible fuels	3	4	3	2	2	3
Hydro	12873	13781	13470	14059	13814	13461
Nuclear	..	..	..	..	..	..
Other	5247	5014	5077	5178	6014	6025
Own use in electricity, CHP and heat plants	320	241	378	392	397	369
Net production	17803	18558	18172	18846	19432	19120
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	498	576	489	591	554	531
Consumption	17104	17666	17480	18061	18664	18402
Energy industries own use	179	195	176	169	177	175
By industry and construction	14660	15129	14841	15388	15525	14900
By transport	1	2	4	9	14	23
By households and other cons.	2264	2340	2459	2494	2948	3304
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	2766	2772	2772	2823	2973	2979
Combustible fuels	114	117	117	116	116	116
Hydro	1984	1987	1987	1995	2099	2104
Nuclear	..	..	..	..	..	..
Other	668	668	668	712	758	758
Main activity	2766	2772	2772	2823	2973	2979
Combustible fuels	114	117	117	116	116	116
Hydro	1984	1987	1987	1995	2099	2104
Nuclear	..	..	..	..	..	..
Other	668	668	668	712	758	758
Combustible fuel input	Terajoules					
Gas-diesel oil	86	86	86	27	24	53
Total input	86	86	86	27	24	53
Total production	11	14	11	8	7	10
Estimated efficiency (% of production to input)	13	17	13	28	28	18

Statistics on electricity
India

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	1308873	1354382	1432358	1490257	1521958	1576740
Combustible fuels	1111341	1158338	1188280	1217575	1244959	1253707
Hydro	129353	121546	122507	126235	135164	156049
Nuclear	36102	37414	37916	38346	37813	46472
Other	32077	37084	83655	108101	*104022	*120512
Main activity	1146816	1135434	1233926	1305954	1346325	1358798
Combustible fuels	951504	943013	993516	1037184	1072314	1042838
Hydro	129244	121377	122378	126123	134894	155769
Nuclear	36102	37414	37916	38346	37813	46472
Other	29966	33630	80116	104301	*101304	*113719
Own use in electricity, CHP and heat plants	90857	79302	95931	100826	108297	*109107
Net production	1218016	1275080	1336427	1389431	1413661	1467633
Imports	4998	5244	5617	5611	4657	6351
Exports	4433	5150	6710	7203	8494	9491
Losses	228325	240864	248834	259827	269165	266527
Consumption	955927	1034374	1071213	1135284	1163990	1297138
Energy industries own use	*7600	*5294	*4945	*4956	*5679	*5645
By industry and construction	*418346	*451412	426665	*468909	484843	551362
By transport	16177	16594	17217	14356	16823	19577
By households and other cons.	513804	561074	622386	647063	656645	720554
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*316382	287128	374795	400455	427794	442297
Combustible fuels	*241396	210430	267129	276062	298316	305307
Hydro	*40064	40331	44597	45344	45502	45807
Nuclear	5780	5780	6780	6780	6780	6780
Other	29142	*30587	56289	72269	77196	84403
Main activity	*271722	205114	322506	343824	352179	364297
Combustible fuels	*198745	130475	218330	222907	226279	230600
Hydro	*40000	40272	44532	45293	45399	45699
Nuclear	5780	5780	6780	6780	6780	6780
Other	27197	*28587	52864	68844	73721	81218
Combustible fuel input	Terajoules					
Hard Coal	8625865	9353251	9407701	10218153	*10158212	9747831
Brown Coal	376809	360925	434150	368083	361622	363330
Gas-diesel oil	*281048	9632	16426	15222	21457	13803
Fuel oil	84234	19432	15231	12362	14059	12968
Liquefied petroleum gas	142	142	95	..	95	47
Naphtha	8856	2225	2670	2982	223	..
Natural gas	418305	*634158	654623	632575	468447	*637011
Coke-oven gas	*29968	*30881	*33073	*36321	*38643	*40732
Bagasse	233929	207880	365524	558763	569080	584108
Vegetal waste	115758	127136	148048	132922	102533	100589
Total input	10174913	10745662	11077541	11977384	*11734370	11500420
Total production	4000828	4170017	4277808	4383270	4481852	4513345
Estimated efficiency (% of production to input)	39	39	39	37	38	39

Statistics on electricity
Indonesia

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	234549	267287	233367	*283647	293203	299603
Combustible fuels	199993	240698	201209	*251766	260211	266765
Hydro	18800	17595	21475	18632	19774	19749
Nuclear	..	..	..	..	..	..
Other	15756	8995	10683	13249	13218	13088
Main activity	175297	157027	166458	*224746	276881	281755
Combustible fuels	150478	142227	148606	*207769	243889	248917
Hydro	14816	10005	13885	12425	19774	19749
Nuclear	..	..	..	..	..	..
Other	10003	4796	3967	4552	13218	13088
Own use in electricity, CHP and heat plants	10012	12838	9912	*14068	19410	15681
Net production	224537	254449	223455	*269579	273793	283922
Imports	9	13	1	1120	..	..
Exports	..	..	..	..	..	..
Losses	22006	22057	22706	24887	25093	25822
Consumption	198355	212767	215781	244637	251796	258092
Energy industries own use	..	..	..	..	..	..
By industry and construction	65909	72541	68145	93465	92968	88323
By transport	155	257	..	240	266	278
By households and other cons.	132291	139969	147636	150932	158562	169491
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	61689	74448	59305	*60980	64417	66845
Combustible fuels	53692	65967	52622	*53517	56383	58600
Hydro	5655	6186	4868	*5190	5741	5858
Nuclear	..	..	..	..	..	..
Other	2342	2295	*1815	*2273	*2293	*2387
Main activity	51651	55394	39980	*41099	43229	45390
Combustible fuels	45258	48967	35622	*36228	37520	39674
Hydro	4805	4886	3568	*3804	3582	3583
Nuclear	..	..	..	..	..	..
Other	1588	1541	790	*1067	*2127	*2133
Combustible fuel input	Terajoules					
Hard Coal	1711643	1850002	1854221	2013593	2393869	2412504
Motor gasoline	..	7664	7752	6867	8284	7682
Gas-diesel oil	253528	155316	130333	97653	123109	104087
Fuel oil	24725	20200	21129	16483	22180	16083
Natural gas	509724	777817	452991	559508	465092	546210
Fuelwood	3690	8298	10512	0	..	..
Charcoal	*266	266	*266	*266	..	..
Biodiesel	*6698	*6403	*12696	*9826	*10746	*15382
Total input	2510273	2825965	2489900	2704194	3023279	3101949
Total production	719976	866513	724352	*906357	936761	960355
Estimated efficiency (% of production to input)	29	31	29	34	31	31

Statistics on electricity
Iran (Islamic Rep. of)

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	274437	280635	289116	307992	307968	322778
Combustible fuels	255870	263393	265799	285012	284508	298753
Hydro	13862	14090	16421	15051	15051	15865
Nuclear	4472	2914	6620	7514	7514	7148
Other	233	238	276	415	895	1013
Main activity	268167	274195	282634	300087	300063	317885
Combustible fuels	249600	256953	259317	277107	276603	293860
Hydro	13862	14090	16421	15051	15051	15865
Nuclear	4472	2914	6620	7514	7514	7148
Other	233	238	276	415	895	1013
Own use in electricity, CHP and heat plants	8717	8132	8205	8833	7489	9102
Net production	265720	272503	280911	299159	300479	313677
Imports	3772	4148	4221	3852	2587	2738
Exports	9660	6822	6688	8172	6295	6365
Losses	34610	33297	33513	33722	32853	34303
Consumption	224136	235555	243468	254942	262929	264965
Energy industries own use	2797	2915	3016	3225	3176	3599
By industry and construction	75689	77186	80860	80749	88541	87411
By transport	363	549	436	477	477	514
By households and other cons.	145287	154905	159156	170491	170735	173441
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	73148	74185	74106	*76569	*78794	*80467
Combustible fuels	61174	61632	61262	*63145	*65241	*66740
Hydro	10789	11354	11578	11949	11953	12026
Nuclear	1020	1020	1020	1020	1020	1020
Other	166	179	246	455	580	681
Main activity	67568	68604	68525	*70816	*72889	*74467
Combustible fuels	55593	56051	55681	*57392	*59336	*60740
Hydro	10789	11354	11578	11949	11953	12026
Nuclear	1020	1020	1020	1020	1020	1020
Other	166	179	246	455	580	681
Combustible fuel input	Terajoules					
Biogas	127	127	282	288	288	254
Gas-diesel oil	332025	227649	219566	181176	216419	202856
Fuel oil	394140	266494	171999	141457	131664	130803
Other kerosene	..	..	..	175	175	149
Natural gas	1957762	2279763	2431484	2730586	2650863	2602176
Coke-oven gas	186	88	169	2181	2518	2324
Blast furnace gas	10284	9064	9474	7739	8191	8329
Total input	2694523	2783185	2832973	3063602	3010118	2946892
Total production	921132	948215	956876	1026043	1024229	1075511
Estimated efficiency (% of production to input)	34	34	34	33	34	36

Statistics on electricity

Iraq

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	67825	*68745	80087	83947	82507	95816
Combustible fuels	64837	*66116	76659	81714	80312	93941
Hydro	2931	*2572	3371	2176	1818	1818
Nuclear	..	..	..	..	..	..
Other	57	57	57	57	377	57
Main activity	67768	*68688	80030	83890	82130	95759
Combustible fuels	64837	*66116	76659	81714	80312	93941
Hydro	2931	*2572	3371	2176	1818	1818
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	1770	*977	2080	3947	2076	2411
Net production	66055	*67768	78007	80000	80431	93405
Imports	12251	13104	11965	11787	21793	14180
Exports	..	..	..	..	..	..
Losses	34312	31967	48958	52767	55472	58502
Consumption	43993	42735	39433	38377	39594	44415
Energy industries own use	..	..	..	..	..	..
By industry and construction	10071	*8665	5180	5160	4784	5251
By transport	..	..	..	..	..	..
By households and other cons.	33922	34070	34253	33217	34810	39164
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	25626	31148	32214	26133	27412	27412
Combustible fuels	23076	28598	29664	24300	25400	25400
Hydro	2513	2513	2513	1796	1796	1796
Nuclear	..	..	..	..	..	..
Other	37	37	37	37	216	216
Main activity	25589	31111	32177	26096	27196	27196
Combustible fuels	23076	28598	29664	24300	25400	25400
Hydro	2513	2513	2513	1796	1796	1796
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Crude oil	283114	348044	380489	338781	345929	366844
Gas-diesel oil	426345	359738	360340	360684	270814	34571
Fuel oil	229674	201071	233795	121523	217958	113829
Naphtha	0	0	..	..	..	..
Natural gas	183234	207313	225878	353870	460255	596272
Total input	1122367	1116166	1200501	1174858	1294956	1111516
Total production	233413	*238018	275972	294170	289123	338188
Estimated efficiency (% of production to input)	21	21	23	25	22	30

Statistics on electricity

Ireland

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	26088	28392	30514	30875	31134	30941
Combustible fuels	19958	20721	23388	22525	21546	19768
Hydro	988	1095	973	895	932	1132
Nuclear	..	..	..	..	..	..
Other	5142	6576	6153	7455	8656	10041
Main activity	23990	26194	28277	28637	28925	28784
Combustible fuels	17886	18562	21189	20334	19393	17684
Hydro	988	1095	973	895	932	1132
Nuclear	..	..	..	..	..	..
Other	5116	6537	6115	7408	8600	9967
Own use in electricity, CHP and heat plants	775	769	822	783	781	686
Net production	25313	27623	29692	30092	30352	30255
Imports	2853	1752	871	1116	1622	2180
Exports	704	1079	1583	1795	1649	1535
Losses	2028	2084	2135	2176	2236	2274
Consumption	25491	26444	27025	27153	28509	29038
Energy industries own use	678	656	647	516	632	614
By industry and construction	6518	6373	6708	6833	7229	7461
By transport	40	44	49	53	62	79
By households and other cons.	18255	19371	19621	19751	20585	20885
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	9260	9679	10017	10608	10982	11137
Combustible fuels	6446	6697	6696	6745	6752	6417
Hydro	529	529	529	529	529	529
Nuclear	..	..	..	..	..	..
Other	2285	2453	2792	3334	3700	4191
Main activity	8901	9318	9650	10222	10578	10716
Combustible fuels	6105	6354	6351	6395	6396	6053
Hydro	529	529	529	529	529	529
Nuclear	..	..	..	..	..	..
Other	2267	2435	2770	3298	3653	4134
Combustible fuel input	Terajoules					
Hard Coal	40473	48423	46439	37501	21254	6693
Peat	24120	24635	23893	22480	20982	20851
Biogas	1846	1948	1938	1914	1699	1665
Gas-diesel oil	301	774	473	306	342	515
Fuel oil	1980	2424	2182	1075	1089	2725
Liquefied petroleum gas	0	47	47	27	27	27
Refinery gas	198	347	198	14	..	..
Natural gas	91598	88183	108711	112511	114234	117046
Fuelwood	*2431	*1794	*3675	*3561	*3184	*3223
Municipal waste	2096	2120	2132	4596	7957	7748
Total input	165043	170694	189688	183986	170767	160493
Total production	71849	74596	84197	81091	77565	71166
Estimated efficiency (% of production to input)	44	44	44	44	45	44

Statistics on electricity

Isle of Man

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	465	435	433	467	493	581
Combustible fuels	462	431	430	463	490	578
Hydro	3	4	3	4	*2	3
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	442	411	408	443	460	548
Combustible fuels	439	407	405	439	457	545
Hydro	3	4	3	4	*2	3
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	0	0	0	0	35	39
Net production	465	435	433	467	457	542
Imports	42	63	65	41	*65	*46
Exports	93	87	105	95	131	192
Losses	*30	*30	*30	*30	*25	*30
Consumption	368	367	362	363	362	366
Energy industries own use	..	..	..	..	..	..
By industry and construction	137	141	139	133	135	141
By transport	..	..	..	..	..	..
By households and other cons.	231	226	223	230	227	225
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	194	194	184	187	187	187
Combustible fuels	193	193	183	186	186	186
Hydro	1	1	1	1	1	1
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	186	186	176	180	180	180
Combustible fuels	185	185	175	179	179	179
Hydro	1	1	1	1	1	1
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Fuel oil	81	108	105	48	35	29
Natural gas	3587	3165	3668	3587	3587	4304
Municipal waste	*380	*389	*411	*396	*546	*542
Total input	4048	3662	4184	4031	4168	4875
Total production	1664	1551	1548	1666	1765	2080
Estimated efficiency (% of production to input)	41	42	37	41	42	43

Statistics on electricity

Israel

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	60813	64226	66976	67674	68894	72524
Combustible fuels	59954	63080	65432	65742	66978	68796
Hydro	13	24	0	0	0	..
Nuclear	..	..	..	..	..	..
Other	846	1122	1544	1933	1916	3727
Main activity	57478	60483	62907	63409	63847	65000
Combustible fuels	57464	60461	62907	63409	63847	65000
Hydro	8	15	0	0	0	..
Nuclear	..	..	..	..	..	..
Other	6	7	0	0	0	..
Own use in electricity, CHP and heat plants	1989	1928	2441	2199	2304	2384
Net production	58824	62298	64535	65476	66590	70140
Imports	..	..	..	..	..	..
Exports	4844	5197	5553	5649	5863	6311
Losses	1738	2472	2535	2387	2514	2642
Consumption	52201	54791	56443	57149	58307	60945
Energy industries own use	883	769	755	855	826	871
By industry and construction	15211	12746	13444	12943	13996	12554
By transport	..	..	..	..	..	..
By households and other cons.	36107	41276	42244	43352	43485	47520
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	16220	17221	17585	17827	18019	19493
Combustible fuels	15526	16466	16689	16813	16617	17192
Hydro	7	7	7	9	9	9
Nuclear	..	..	..	..	..	..
Other	687	748	889	1005	1393	2292
Main activity	15075	15986	16198	16236	16001	16575
Combustible fuels	15064	15975	16166	16205	15964	16538
Hydro	5	5	5	4	2	2
Nuclear	..	..	..	..	..	..
Other	6	6	27	27	35	35
Combustible fuel input	Terajoules					
Hard Coal	273447	266209	227233	206953	195455	206387
Biogas	593	559	795	960	878	806
Oil shale	1572	1667	1679	1783	648	614
Gas-diesel oil	731	3913	2193	6594	2646	6648
Fuel oil	525	848	848	1284	968	865
Other oil products	1568	0	..	..	..	..
Natural gas	245137	262263	317669	342459	300611	287920
Total input	523573	535460	550418	560033	501207	503240
Total production	215834	227088	235555	236671	241120	247666
Estimated efficiency (% of production to input)	41	42	43	42	48	49

Statistics on electricity

Italy

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	279827	282994	289768	295830	289708	293853
Combustible fuels	175510	191458	198693	208824	192129	195084
Hydro	60256	46970	44257	38025	50503	48154
Nuclear	..	..	..	..	..	..
Other	44061	44566	46818	48982	47077	50616
Main activity	264085	263912	271301	276048	266925	271513
Combustible fuels	160761	173249	181006	189674	170015	173389
Hydro	59518	46361	43695	37536	50037	47661
Nuclear	..	..	..	..	..	..
Other	43806	44302	46600	48839	46873	50463
Own use in electricity, CHP and heat plants	10679	10566	10065	10564	9864	9903
Net production	269148	272428	279703	285266	279845	283950
Imports	46747	50849	43181	42895	47170	43975
Exports	3031	4471	6154	5134	3271	5834
Losses	19451	19717	18753	18668	17988	17818
Consumption	293414	299089	297977	304359	305755	304273
Energy industries own use	11916	11606	11950	12393	12674	12340
By industry and construction	112918	112665	113257	115609	116070	119535
By transport	10463	10856	11162	11383	11540	11542
By households and other cons.	158117	163962	161608	164973	165471	160856
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	121747	116964	114162	114240	115220	116435
Combustible fuels	71272	65617	62096	61289	61276	61284
Hydro	22098	22220	22298	22426	22498	22541
Nuclear	..	..	..	..	..	..
Other	28377	29127	29768	30525	31446	32610
Main activity	117673	111706	109328	109206	109699	111003
Combustible fuels	67419	60575	57438	56426	55929	56028
Hydro	21979	22099	22181	22307	22393	22435
Nuclear	..	..	..	..	..	..
Other	28275	29032	29709	30473	31377	32540
Combustible fuel input	Terajoules					
Hard Coal	408150	414451	342425	304038	266920	183035
Biogas	80223	76475	76651	77414	76494	81049
Fuel oil	32401	37532	20281	20059	12496	12649
Refinery gas	26978	28958	31581	30818	30381	31070
Other oil products	106811	118188	125022	119490	125585	107705
Natural gas	829412	947225	1057652	1162357	1075138	1171351
Blast furnace gas	25051	15672	23686	16953	17987	17071
Fuelwood	*82397	*70047	*73136	*72332	*72080	*71284
Municipal waste	71882	70838	72906	71443	70893	73103
Other liquid biofuels	26386	29400	28277	26895	26114	28444
Others	29970	26071	17982	18031	15985	16476
Total input	1719661	1834855	1869599	1919829	1790073	1793237
Total production	631836	689249	715295	751765	691664	702303
Estimated efficiency (% of production to input)	37	38	38	39	39	39

Statistics on electricity

Jamaica

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	4123	4206	4342	4360	4402	4434
Combustible fuels	3869	3953	4002	3873	3875	3961
Hydro	135	128	118	154	179	155
Nuclear	..	..	..	..	..	..
Other	119	125	222	333	348	318
Main activity	2462	2528	2556	2533	2561	2449
Combustible fuels	2327	2400	2438	2379	2382	2294
Hydro	135	128	118	154	179	155
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	12	12	13	18	19	60
Net production	4111	4194	4329	4342	4383	4374
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	1103	1137	1160	1152	1144	1149
Consumption	3011	3073	3184	3191	3299	3237
Energy industries own use	..	..	..	..	..	..
By industry and construction	1357	1379	1410	1358	1800	1285
By transport	..	..	..	..	..	..
By households and other cons.	1654	1694	1774	1833	1499	1953
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	939	965	1031	1041	1045	*1150
Combustible fuels	874	871	871	871	874	*962
Hydro	23	29	29	29	29	29
Nuclear	..	..	..	..	..	..
Other	42	65	131	141	142	*159
Main activity	638	641	661	661	665	*665
Combustible fuels	612	609	609	609	612	*612
Hydro	23	29	29	29	29	29
Nuclear	..	..	..	..	..	..
Other	3	3	23	23	24	*24
Combustible fuel input	Terajoules					
Gas-diesel oil	7886	7835	9507	1587	1419	1677
Fuel oil	24433	26337	26296	29007	29169	26422
Natural gas	..	..	*355	*4089	3789	9630
Bagasse	*2317	*2626	*2703	*1853	*309	*954
Total input	34636	36797	38861	36536	34686	38682
Total production	13928	14231	14407	13943	13950	14259
Estimated efficiency (% of production to input)	40	39	37	38	40	37

Statistics on electricity

Japan

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	1075985	1058653	1070871	1080974	1068464	1044978
Combustible fuels	936973	894059	892019	872308	823457	795424
Hydro	86942	91270	85665	91060	88348	87256
Nuclear	0	9437	18060	32912	64929	63779
Other	52070	63887	75127	84694	91730	98519
Main activity	854704	824250	923511	929866	906514	879236
Combustible fuels	781907	737463	808823	791663	737145	708954
Hydro	70255	74801	82349	88356	85058	84304
Nuclear	0	9437	18060	32912	64929	63779
Other	2542	2549	14279	16936	19382	22199
Own use in electricity, CHP and heat plants	35499	34595	45240	48209	43484	43484
Net production	1040486	1024058	1025631	1032765	1024980	1001494
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	43334	40587	45600	40642	45010	44094
Consumption	992537	969591	973823	989627	970591	952484
Energy industries own use	18876	20098	23120	24895	24894	24828
By industry and construction	355110	344897	343004	346601	347725	342530
By transport	17604	17551	17543	17543	17543	17543
By households and other cons.	600947	587045	590156	600589	580429	567584
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	319625	326444	338210	342197	347178	346474
Combustible fuels	196664	194388	198299	197092	196656	193414
Hydro	49597	50034	50117	50014	50037	50033
Nuclear	44264	42048	41482	39132	38042	33083
Other	29100	39974	48312	55959	62443	69944
Main activity	234028	231484	274454	272831	271643	266070
Combustible fuels	143777	143040	174392	173261	171469	168760
Hydro	45403	45786	49521	49562	49582	49635
Nuclear	44264	42048	41482	39132	38042	33083
Other	584	610	9059	10876	12550	14592
Combustible fuel input	Terajoules					
Hard Coal	2925909	2901200	2869146	2973099	2866492	2844251
Fuel oil	462944	367721	302475	223939	163552	106717
Refinery gas	90734	93902	116523	139999	118072	91324
Natural gas	3585190	3342226	3450612	3287592	3126892	2952583
Coke-oven gas	64203	65612	65260	62449	58947	59835
Blast furnace gas	219748	210696	206264	196630	190515	184687
Fuelwood	*7187	*19329	*35158	*49294	*61279	*74476
Vegetal waste	*59152	*59374	*60900	*65387	*65419	*88099
Industrial waste	72720	73204	132226	149210	167464	145606
Bitumen	27055	25004	75174	75972	77197	77234
Others	492519	447401	283316	240602	195478	188286
Total input	8007360	7605669	7597054	7464173	7091309	6813099
Total production	3373103	3218612	3211268	3140307	2964446	2863526
Estimated efficiency (% of production to input)	42	42	42	42	42	42

Statistics on electricity

Jersey

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	108	48	70	49	45	44
Combustible fuels	108	48	70	49	45	44
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	71	7	24	4	2	2
Combustible fuels	71	7	24	4	2	2
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	108	48	70	49	45	44
Imports	566	625	614	626	637	630
Exports	..	..	..	..	..	..
Losses	60	52	47	53	48	40
Consumption	615	622	637	620	633	632
Energy industries own use	..	..	..	..	..	..
By industry and construction	253	242	*249	*239	*239	*234
By transport	..	..	..	..	..	..
By households and other cons.	362	380	387	381	395	398
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*240	78	78	78	78	*78
Combustible fuels	*240	78	78	78	78	*78
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*212	50	50	50	50	*50
Combustible fuels	*212	50	50	50	50	*50
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	744	103	259	58	32	28
Municipal waste	*658	*732	*813	*799	*760	*764
Total input	1402	*835	*1072	*857	*792	*793
Total production	388	173	250	176	161	159
Estimated efficiency (% of production to input)	28	21	23	20	20	20

Statistics on electricity

Jordan

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	18270	19012	*19563	19760	19437	20609
Combustible fuels	18210	18834	*18704	18354	17293	17629
Hydro	58	53	42	38	23	18
Nuclear	..	..	..	..	..	..
Other	2	125	818	1369	2122	2961
Main activity	17887	18540	*19363	19560	19298	19773
Combustible fuels	17827	18363	*18504	18154	17154	16794
Hydro	58	53	42	38	23	18
Nuclear	..	..	..	..	..	..
Other	2	125	818	1369	2122	2961
Own use in electricity, CHP and heat plants	632	676	550	928	1099	516
Net production	17638	18336	*19013	18832	18339	20092
Imports	435	604	334	51	188	239
Exports	64	50	46	57	94	98
Losses	2569	2190	2072	2029	2094	2249
Consumption	15419	16282	16805	17605	17594	17999
Energy industries own use	98	105	105	101	100	89
By industry and construction	3780	3823	3763	3910	3861	3622
By transport	..	..	..	..	..	..
By households and other cons.	11541	12354	12937	13594	13632	14287
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	4199	4455	4475	4506	4846	5227
Combustible fuels	4186	4320	3969	3890	3745	3745
Hydro	12	12	12	12	12	12
Nuclear	..	..	..	..	..	..
Other	1	123	494	604	1089	1470
Main activity	4000	4256	4276	4307	4647	5028
Combustible fuels	3987	4121	3770	3691	3546	3546
Hydro	12	12	12	12	12	12
Nuclear	..	..	..	..	..	..
Other	1	123	494	604	1089	1470
Combustible fuel input	Terajoules					
Biogas	72	90	100	100	*100	85
Gas-diesel oil	70258	24079	569	394	176	76
Fuel oil	69561	59497	15469	20596	6036	10407
Natural gas	*12590	81400	141902	163276	159917	155279
Total input	152480	165067	158040	184365	166229	165847
Total production	65556	67803	*67333	66073	62254	63466
Estimated efficiency (% of production to input)	43	41	43	36	37	38

Statistics on electricity

Kazakhstan

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	105165	106540	106675	103195	107329	106879
Combustible fuels	96791	97020	94644	91485	96187	95346
Hydro	8263	9269	11620	11210	10330	9994
Nuclear	..	..	..	..	..	..
Other	111	251	411	500	812	1539
Main activity	105164	106539	106674	103194	107328	106878
Combustible fuels	96791	97020	94644	91485	96187	95346
Hydro	8263	9269	11620	11210	10330	9994
Nuclear	..	..	..	..	..	..
Other	110	250	410	499	811	1538
Own use in electricity, CHP and heat plants	8077	7658	7441	6834	6195	6490
Net production	97088	98882	99234	96361	101134	100390
Imports	1749	1618	1319	1327	1561	1935
Exports	2917	1614	2572	5692	5042	2419
Losses	7082	5181	5349	6411	6569	9689
Consumption	76676	76407	76064	79533	95309	80661
Energy industries own use	7776	8209	10166	9957	14981	8707
By industry and construction	45529	45110	44244	47406	50397	44080
By transport	2511	3573	3245	4019	3234	3525
By households and other cons.	20860	19515	18409	18151	26697	24349
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*25305	*25395	*25452	*25514	25270	23965
Combustible fuels	*22500	*22500	*22500	*22500	21902	20079
Hydro	2675	2678	2696	2726	2756	2778
Nuclear	..	..	..	..	..	..
Other	130	217	256	288	612	1108
Main activity	*25304	*25394	*25451	*25513	25269	23964
Combustible fuels	*22500	*22500	*22500	*22500	21902	20079
Hydro	2675	2678	2696	2726	2756	2778
Nuclear	..	..	..	..	..	..
Other	129	216	255	287	611	1107
Combustible fuel input	Terajoules					
Hard Coal	307125	292391	282264	315914	346910	330351
Brown Coal	161	166	1560	2043	2626	1437
Biogas	18	42	58	32	19	43
Crude oil	..	..	..	..	..	0
Fuel oil	12201	16241	23028	8888	8601	7442
Natural gas	233178	225843	257658	261839	313105	311886
Total input	552683	534683	564568	588716	671262	651159
Total production	348448	349272	340718	329346	346273	343247
Estimated efficiency (% of production to input)	63	65	60	56	52	53

Statistics on electricity
Kenya

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	9139	9515	10058	10360	11182	11621
Combustible fuels	2635	1471	1557	2766	1679	1526
Hydro	3569	3463	3960	2777	3986	3205
Nuclear	..	..	..	..	..	..
Other	2934	4580	4541	4818	5517	6890
Main activity	9139	9456	9971	10129	11049	11408
Combustible fuels	2635	1412	1471	2534	1546	1313
Hydro	3569	3463	3960	2777	3986	3205
Nuclear	..	..	..	..	..	..
Other	2934	4580	4541	4818	5517	6890
Own use in electricity, CHP and heat plants	43	78	80	84	86	86
Net production	9095	9437	9978	10276	11096	11535
Imports	158	59	86	230	130	212
Exports	27	47	39	12	35	16
Losses	1662	1642	1965	1938	2445	2751
Consumption	7786	7826	8053	8410	8702	8854
Energy industries own use	..	..	..	..	..	..
By industry and construction	3988	4426	5030	5067	4337	4441
By transport	..	..	..	..	..	..
By households and other cons.	3798	3400	3023	3343	4366	4413
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	2115	2264	2255	2271	3043	3155
Combustible fuels	734	819	786	766	1209	1113
Hydro	797	800	798	826	821	826
Nuclear	..	..	..	..	..	..
Other	584	646	671	679	1014	1216
Main activity	2115	2264	2255	2271	2679	2791
Combustible fuels	734	819	786	766	845	749
Hydro	797	800	798	826	821	826
Nuclear	..	..	..	..	..	..
Other	584	646	671	679	1014	1216
Combustible fuel input	Terajoules					
Biogas	..	..	..	..	6	..
Gas-diesel oil	7310	3612	2263	1196	9804	9159
Fuel oil	6399	7874	5484	11009	12605	4646
Vegetal waste	16800	16800	15460	16800	*16500	*16500
Total input	30509	28286	23207	29005	38915	*30305
Total production	9487	5295	5606	9956	6043	5493
Estimated efficiency (% of production to input)	31	19	24	34	16	18

Statistics on electricity

Kiribati

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*27	*29	*31	*31	*32	*32
Combustible fuels	*26	*26	*26	*26	*27	*27
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	4	5	5	5	5
Main activity	*25	*27	*29	*29	*29	*30
Combustible fuels	*24	*24	*24	*24	*24	*25
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	4	5	5	5	5
Own use in electricity, CHP and heat plants	1	2	2	2	*2	*1
Net production	*26	*28	*30	*30	*30	*30
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	4	*5	*5	*5	*5	*5
Consumption	21	*23	*25	*25	*25	*26
Energy industries own use	..	..	..	..	..	..
By industry and construction	*2	*2	*2	*2	*2	*2
By transport	..	..	..	..	..	..
By households and other cons.	19	*21	*23	*23	*23	*24
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*7	*10	*11	*11	*11	*11
Combustible fuels	*6	*8	*8	*8	*8	*8
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	2	3	3	3	3
Main activity	*6	*9	*10	*10	*10	*10
Combustible fuels	*5	*7	*7	*7	*7	*7
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	2	3	3	3	3
Combustible fuel input	Terajoules					
Gas-diesel oil	292	*280	*241	*301	*301	*305
Total input	292	*280	*241	*301	*301	*305
Total production	*92	*92	*94	*94	*95	*96
Estimated efficiency (% of production to input)	31	33	39	31	32	32

Statistics on electricity

Korea, Dem.Ppl's.Rep.

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	17916	13748	16272	14451	15044	13579
Combustible fuels	4909	3737	3459	2537	2229	2563
Hydro	13000	10000	12800	11900	12800	11000
Nuclear	..	..	..	..	..	..
Other	7	11	13	14	15	16
Main activity	17916	13748	16272	14451	15044	13579
Combustible fuels	4909	3737	3459	2537	2229	2563
Hydro	13000	10000	12800	11900	12800	11000
Nuclear	..	..	..	..	..	..
Other	7	11	13	14	15	16
Own use in electricity, CHP and heat plants	1698	1303	1542	1369	1426	1287
Net production	16218	12445	14730	13081	13618	12292
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	2832	2173	2571	2283	2377	2146
Consumption	13386	10272	12159	10798	11241	10147
Energy industries own use	..	..	..	..	..	..
By industry and construction	6693	5136	6080	7367	7669	6922
By transport	..	..	..	325	338	306
By households and other cons.	6693	5136	6079	3106	3234	2919
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	7260	7435	7671	7731	8160	8160
Combustible fuels	2960	2960	2960	2960	3360	3360
Hydro	4293	4467	4701	4761	4790	4790
Nuclear	..	..	..	..	..	..
Other	*7	*8	*10	*10	*10	*10
Main activity	7260	7435	7671	7731	8160	8160
Combustible fuels	2960	2960	2960	2960	3360	3360
Hydro	4293	4467	4701	4761	4790	4790
Nuclear	..	..	..	..	..	..
Other	*7	*8	*10	*10	*10	*10
Combustible fuel input	Terajoules					
Hard Coal	33948	22517	28976	20195	16854	18844
Brown Coal	6155	4168	4537	3164	2638	2950
Fuel oil	10625	14706	17049	14134	13843	16757
Total input	50728	41390	50561	37493	33336	38551
Total production	17672	13453	12452	9132	8024	9227
Estimated efficiency (% of production to input)	35	33	25	24	24	24

Statistics on electricity
Korea, Republic of

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	550934	552697	562603	566880	590111	581492
Combustible fuels	381511	375110	385386	400148	435292	410786
Hydro	7820	5796	6634	7006	7270	6249
Nuclear	156407	164762	161995	148427	133505	145910
Other	5196	7029	8588	11299	14043	18547
Main activity	517962	522835	527590	533228	554386	549652
Combustible fuels	349044	345891	351162	367460	400689	380291
Hydro	7820	5796	6634	7006	7270	6249
Nuclear	156407	164762	161995	148427	133505	145910
Other	4691	6386	7799	10335	12921	17202
Own use in electricity, CHP and heat plants	20927	23733	22519	21084	23266	22393
Net production	530007	528964	540084	545796	566845	559099
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	18270	17979	18475	18790	18183	19000
Consumption	505690	511469	534858	543861	550590	542836
Energy industries own use	18856	16158	17587	20624	19216	19020
By industry and construction	259606	262369	265383	274429	278814	272589
By transport	2003	2217	2689	2864	2967	3111
By households and other cons.	225225	230725	249199	245944	249593	248116
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	99817	103191	111203	122950	127475	132104
Combustible fuels	69122	70108	75559	86377	89013	88174
Hydro	6467	6471	6485	6489	6490	6508
Nuclear	20716	21716	23116	22529	21850	23250
Other	3512	4896	6043	7555	10122	14172
Main activity	92115	95695	103742	113913	117613	122901
Combustible fuels	62121	63704	68903	78130	80138	80211
Hydro	6467	6471	6485	6489	6490	6508
Nuclear	20716	21716	23116	22529	21850	23250
Other	2811	3804	5238	6765	9135	12932
Combustible fuel input	Terajoules					
Hard Coal	2049054	2106320	2107076	2117887	2113890	2011638
Brown Coal	103882	145713	140268	208596	209868	187907
Fuel oil	66741	76073	112070	44641	48864	28553
Naphtha	47882	63680	55136	45689	47573	31957
Petroleum coke	11050	15925	10628	20575	21129	25577
Natural gas	933846	889749	952847	993522	1204485	1156396
Coke-oven gas	38166	35247	35474	39417	41093	37527
Blast furnace gas	127625	124623	120427	121844	121419	120192
Fuelwood	*4613	*10176	*38807	*41348	*52535	*54658
Other recovered gases	20893	22509	23676	23219	23177	22465
Others	42111	38246	36358	45738	49294	52891
Total input	3445863	3528261	3632766	3702479	3933326	3729761
Total production	1373440	1350396	1387390	1440532	1567051	1478831
Estimated efficiency (% of production to input)	40	38	38	39	40	40

Statistics on electricity

Kosovo

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	5436	6119	5981	5919	5917	6351
Combustible fuels	5285	5979	5736	5739	5612	6037
Hydro	151	140	245	179	273	213
Nuclear	..	..	..	..	..	..
Other	..	..	..	1	32	101
Main activity	5436	6119	5981	5919	5917	6351
Combustible fuels	5285	5979	5736	5739	5612	6037
Hydro	151	140	245	179	273	213
Nuclear	..	..	..	..	..	..
Other	..	..	..	1	32	101
Own use in electricity, CHP and heat plants	434	618	430	618	537	500
Net production	5002	5501	5551	5301	5380	5851
Imports	966	684	557	1242	825	928
Exports	475	553	1064	880	677	905
Losses	818	999	1174	1317	1125	1145
Consumption	4674	4622	3871	4337	4398	4714
Energy industries own use	0	0	0	..	..	..
By industry and construction	1311	1368	1048	1062	979	1043
By transport	..	..	..	..	..	..
By households and other cons.	3363	3254	2823	3275	3419	3671
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	959	959	1009	1409	1409	*1602
Combustible fuels	915	915	915	1288	1288	*1288
Hydro	43	43	86	80	80	213
Nuclear	..	..	..	..	..	..
Other	1	1	8	40	40	101
Main activity	959	959	1009	1409	1409	*1602
Combustible fuels	915	915	915	1288	1288	*1288
Hydro	43	43	86	80	80	213
Nuclear	..	..	..	..	..	..
Other	1	1	8	40	40	101
Combustible fuel input	Terajoules					
Brown Coal	54598	63532	66473	55792	59498	62182
Gas-diesel oil	86	86	86	86	43	87
Fuel oil	121	121	121	81	81	71
Total input	54806	63739	66680	55959	59622	62340
Total production	19026	21524	20650	20660	20203	21732
Estimated efficiency (% of production to input)	35	34	31	37	34	35

Statistics on electricity

Kuwait

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	65140	68288	70085	72790	74107	75184
Combustible fuels	65140	68288	70085	72788	74103	75082
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	0	2	4	102
Main activity	65140	68288	70085	72788	74103	75082
Combustible fuels	65140	68288	70085	72788	74103	75082
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	7597	7878	8168	7921	8316	8304
Net production	57543	60410	61917	64869	65791	66880
Imports	136	133	171	553	202	*132
Exports	178	175	213	390	535	..
Losses	5750	6037	6188	6503	6546	6701
Consumption	51751	54331	55688	58529	58912	60311
Energy industries own use	14188	14895	15267	16046	16151	16534
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	37563	39436	40421	42483	42762	43777
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	15739	18279	18892	18765	18867	19371
Combustible fuels	15739	18279	18890	18763	18863	19266
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	*2	*2	*4	105
Main activity	15719	18259	18870	18743	18793	19196
Combustible fuels	15719	18259	18870	18743	18793	19196
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Crude oil	84642	28510	23857	54017	36632	20219
Gas-diesel oil	64285	49407	33024	29971	20898	30960
Fuel oil	230240	283406	293950	252298	260580	237229
Natural gas	337808	377668	407319	403477	434116	466577
Total input	716975	738991	758151	739763	752226	754985
Total production	234504	245837	252306	262037	266771	270295
Estimated efficiency (% of production to input)	33	33	33	35	35	36

Statistics on electricity
Kyrgyzstan

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	14572	13030	13262	15514	15728	15100
Combustible fuels	1274	1930	1768	1311	1410	1256
Hydro	13298	11100	11494	14203	14318	13844
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	14552	13006	13236	15499	15689	15068
Combustible fuels	1254	1906	1742	1296	1371	1224
Hydro	13298	11100	11494	14203	14318	13844
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	270	244	182	136	194	142
Net production	14302	12786	13080	15378	15534	14958
Imports	286	729	330	..	..	269
Exports	72	184	199	1215	755	271
Losses	3458	2668	2655	2844	2814	2514
Consumption	11058	10663	10428	11190	11965	12442
Energy industries own use	74	76	268	182	101	86
By industry and construction	1175	2356	1709	1763	2510	2190
By transport	232	174	45	46	44	31
By households and other cons.	9577	8057	8406	9199	9310	10135
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*3864	*3865	*3786	3869	*3869	3869
Combustible fuels	*800	*801	*722	*734	*734	734
Hydro	*3064	*3064	*3064	3135	*3135	3135
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*3859	*3859	*3780	3863	*3863	3863
Combustible fuels	*795	*795	*716	*728	*728	728
Hydro	*3064	*3064	*3064	3135	*3135	3135
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Hard Coal	11838	18775	9922	6120	4043	527
Brown Coal	7298	5334	6389	6462	8367	8441
Gas-diesel oil	0	0	0	..	..	..
Fuel oil	1050	646	364	566	1010	606
Natural gas	1651	2419	2710	1697	1142	1270
Total input	21837	27175	19385	14845	14563	10844
Total production	4586	6948	6365	4720	5076	4522
Estimated efficiency (% of production to input)	21	26	33	32	35	42

Statistics on electricity

Lao People's Dem. Rep.

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	15640	16730	25068	33227	36762	31133
Combustible fuels	6	2476	7120	12441	13703	12194
Hydro	15633	14252	17946	20777	22999	18899
Nuclear	..	..	..	..	..	..
Other	1	2	2	9	60	40
Main activity	15640	16730	25068	33227	36762	31133
Combustible fuels	6	2476	7120	12441	13703	12194
Hydro	15633	14252	17946	20777	22999	18899
Nuclear	..	..	..	..	..	..
Other	1	2	2	9	60	40
Own use in electricity, CHP and heat plants	350	229	2	0	1	0
Net production	15290	16501	25066	33227	36761	31133
Imports	1559	2050	787	500	302	1345
Exports	11936	11559	19650	24901	27216	*22460
Losses	1106	2565	1673	3861	*4431	*3424
Consumption	3791	4239	4660	4966	5417	6596
Energy industries own use	..	..	..	..	..	..
By industry and construction	1564	1745	1916	2087	2286	3099
By transport	..	..	..	..	..	..
By households and other cons.	2228	2494	2744	2880	3130	3496
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	3098	5813	6460	6931	7187	8014
Combustible fuels	40	1918	1918	1903	1909	*1909
Hydro	3058	3894	4538	5006	5256	6083
Nuclear	..	..	..	..	..	..
Other	1	2	4	22	22	22
Main activity	3098	5813	6460	6931	7187	8014
Combustible fuels	40	1918	1918	1903	1909	*1909
Hydro	3058	3894	4538	5006	5256	6083
Nuclear	..	..	..	..	..	..
Other	1	2	4	22	22	22
Combustible fuel input	Terajoules					
Brown Coal	..	41605	116303	149008	*154224	*137305
Bagasse	*77	*54	*77	*425	*421	*425
Total input	*77	41659	116380	149432	*154645	*137729
Total production	20	8914	25632	44788	49331	43898
Estimated efficiency (% of production to input)	26	21	22	30	32	32

Statistics on electricity

Latvia

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	5139	5533	6425	7531	6725	6438
Combustible fuels	3006	3526	3767	3000	4170	4174
Hydro	1994	1860	2530	4381	2432	2108
Nuclear	..	..	..	..	..	..
Other	139	147	128	150	123	157
Main activity	4884	5276	6214	7337	6535	6251
Combustible fuels	2760	3273	3560	2812	3984	3994
Hydro	1987	1858	2528	4377	2430	2106
Nuclear	..	..	..	..	..	..
Other	137	145	126	148	121	152
Own use in electricity, CHP and heat plants	407	440	498	506	522	476
Net production	4732	5093	5927	7025	6203	5963
Imports	5340	5246	4828	4073	5174	4611
Exports	3023	3425	3795	4137	4265	3493
Losses	465	451	476	474	448	427
Consumption	6582	6461	6482	6485	6662	6652
Energy industries own use	..	..	..	..	..	..
By industry and construction	1667	1703	1667	1763	1842	1846
By transport	117	106	105	105	104	116
By households and other cons.	4798	4652	4710	4617	4717	4690
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	2922	2931	2927	2941	2915	2938
Combustible fuels	1265	1275	1292	1299	1270	1270
Hydro	1588	1588	1564	1564	1565	1587
Nuclear	..	..	..	..	..	..
Other	69	68	71	78	80	81
Main activity	2880	2889	2883	2908	2881	2904
Combustible fuels	1224	1234	1251	1268	1239	1241
Hydro	1587	1587	1563	1563	1563	1585
Nuclear	..	..	..	..	..	..
Other	69	68	69	77	78	78
Combustible fuel input	Terajoules					
Hard Coal	169	96	143	50	90	42
Peat	0	0	0	..	85	0
Biogas	2780	3310	3424	3569	3291	3033
Gas-diesel oil	0	0	0	6	4	3
Fuel oil	0	0	0	0	0	0
Liquefied petroleum gas	..	..	..	0	0	0
Other oil products	..	..	..	0	0	0
Natural gas	29896	32244	32978	18586	27058	26417
Fuelwood	7097	8359	10331	11095	11693	11341
Vegetal waste	0	0	0	0	0	0
Others	0	0	0	..	2	..
Total input	39942	44009	46876	33305	42222	40837
Total production	10822	12694	13561	10800	15012	15025
Estimated efficiency (% of production to input)	27	29	29	32	36	37

Statistics on electricity
Lebanon

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	19777	20720	21457	23411	23150	23819
Combustible fuels	19578	20226	21047	22955	22754	22736
Hydro	193	479	382	415	348	965
Nuclear	..	..	..	..	..	..
Other	6	15	28	41	48	118
Main activity	12387	12253	13060	14498	15234	14702
Combustible fuels	12194	11774	12678	14083	14886	13737
Hydro	193	479	382	415	348	965
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	6	15	28	41	48	132
Net production	19771	20705	21429	23370	23102	23687
Imports	136	268	69	534	11	90
Exports	..	..	..	..	..	..
Losses	*1792	*1888	*1935	*2151	*2080	*2140
Consumption	*18116	*19085	*19563	*21753	*21033	21637
Energy industries own use	..	..	..	..	..	..
By industry and construction	*4747	*5001	*5126	*5700	*5511	*5669
By transport	..	..	..	..	..	..
By households and other cons.	*13369	*14084	*14437	*16053	*15522	15968
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	3537	3643	3662	3698	3704	3741
Combustible fuels	3259	3359	3359	3409	3409	3409
Hydro	*274	*274	280	*253	*253	*253
Nuclear	..	..	..	..	..	..
Other	4	10	23	36	42	79
Main activity	2583	2583	2589	2562	2562	2562
Combustible fuels	2309	2309	2309	2309	2309	2309
Hydro	*274	*274	280	*253	*253	*253
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Biogas	..	..	..	..	83	415
Gas-diesel oil	116949	126631	126133	124593	122210	128969
Fuel oil	57087	57173	62844	77415	75581	70782
Natural gas	0	0	..	..	..	..
Total input	174036	183804	188976	202007	197874	200166
Total production	70481	72814	75769	82638	81914	81850
Estimated efficiency (% of production to input)	40	40	40	41	41	41

Statistics on electricity
Lesotho

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	515	532	508	502	517	393
Combustible fuels	..	..	0	*1	1	1
Hydro	515	532	508	501	517	392
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	515	532	508	502	517	393
Combustible fuels	..	..	0	*1	1	1
Hydro	515	532	508	501	517	392
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	0	0	0	1	1	0
Net production	515	532	508	501	517	393
Imports	271	261	373	387	397	542
Exports	3	4	3	1	3	1
Losses	98	122	154	116	115	130
Consumption	675	*694	*765	700	807	791
Energy industries own use	..	..	..	..	..	..
By industry and construction	233	*225	*267	309	320	312
By transport	..	..	..	..	..	..
By households and other cons.	442	*469	*498	391	487	479
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	80	80	81	75	75	75
Combustible fuels	..	..	*1	*1	1	1
Hydro	80	80	80	74	74	74
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Main activity	80	80	81	75	75	75
Combustible fuels	..	..	*1	*1	1	1
Hydro	80	80	80	74	74	74
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Combustible fuel input	Terajoules					
Gas-diesel oil	..	..	*4	*4	*4	7
Total input	..	..	*4	*4	*4	7
Total production	..	..	*1	*2	2	2
Estimated efficiency (% of production to input)	..	..	35	56	54	35

Statistics on electricity
Liberia

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*340	*350	*440	*440	*444	*456
Combustible fuels	*300	*310	*400	*397	*318	*322
Hydro	*40	*40	*40	*40	*122	*129
Nuclear	..	..	..	..	..	..
Other	..	..	..	*3	*4	*5
Main activity	*140	*145	*175	*160	*234	*243
Combustible fuels	*100	*105	*135	*117	*108	*109
Hydro	*40	*40	*40	*40	*122	*129
Nuclear	..	..	..	..	..	..
Other	..	..	..	*3	*4	*5
Own use in electricity, CHP and heat plants	*17	*18	*22	*22	*22	*23
Net production	*323	*332	*418	*418	*422	*433
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*33	*33	*42	*42	*42	*43
Consumption	*290	*299	*376	*376	*380	*390
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	*290	*299	*376	*376	*380	*390
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*102	*102	*107	*111	*195	*195
Combustible fuels	*93	*93	*98	*100	*100	*100
Hydro	*9	*9	*9	*9	*92	*92
Nuclear	..	..	..	..	..	..
Other	..	..	0	*2	*3	*3
Main activity	*32	*32	37	*41	*125	*125
Combustible fuels	*23	*23	28	*30	*30	*30
Hydro	*9	*9	*9	*9	*92	*92
Nuclear	..	..	..	..	..	..
Other	..	..	0	*2	*3	*3
Combustible fuel input	Terajoules					
Gas-diesel oil	*2752	*3225	*4160	*3870	*3311	*3354
Fuel oil	*404	0	0	..	..	..
Total input	*3156	*3225	*4160	*3870	*3311	*3354
Total production	*1080	*1116	*1440	*1429	*1145	*1159
Estimated efficiency (% of production to input)	34	35	35	37	35	35

Statistics on electricity

Libya

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	37731	37511	31420	33282	34172	33719
Combustible fuels	37723	37503	31412	33274	34164	33711
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	8	8	8	8	8	8
Main activity	37731	37511	31420	33282	34172	33719
Combustible fuels	37723	37503	31412	33274	34164	33711
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	8	8	8	8	8	8
Own use in electricity, CHP and heat plants	632	731	1004	999	843	802
Net production	37099	36780	30416	32284	33328	32918
Imports	88	..	376	302	465	465
Exports	0	..	..	..	..	..
Losses	7186	7127	6327	6683	6893	6801
Consumption	17019	15282	13988	14133	17605	17864
Energy industries own use	..	..	..	..	..	..
By industry and construction	1560	1892	1213	1225	1169	1186
By transport	..	..	..	..	..	..
By households and other cons.	15459	13390	12775	12908	16436	16678
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	9460	9460	10249	10243	10516	10516
Combustible fuels	9455	9455	10244	10238	10511	10511
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	5	5	5	5	5	5
Main activity	9460	9460	10249	10243	10516	10516
Combustible fuels	9455	9455	10244	10238	10511	10511
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	5	5	5	5	5	5
Combustible fuel input	Terajoules					
Gas-diesel oil	134246	134246	52632	79206	85152	84765
Fuel oil	36602	36602	32845	24278	31431	26061
Natural gas	216420	231270	266071	266448	261466	263244
Total input	387268	402118	351548	369932	378048	374071
Total production	135803	135011	113083	119786	122989	121360
Estimated efficiency (% of production to input)	35	34	32	32	33	32

Statistics on electricity

Liechtenstein

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	41	70	90	93	89	103
Combustible fuels	3	2	2	2	2	2
Hydro	22	49	68	69	62	75
Nuclear	..	..	..	..	..	..
Other	17	19	20	22	25	26
Main activity	41	70	90	93	89	103
Combustible fuels	3	2	2	2	2	2
Hydro	22	49	68	69	62	75
Nuclear	..	..	..	..	..	..
Other	17	19	20	22	25	26
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	41	70	90	93	89	103
Imports	355	325	309	314	321	307
Exports	..	..	..	..	..	..
Losses	..	..	..	..	..	..
Consumption	396	395	399	407	410	410
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	396	395	399	407	410	410
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*22	*22	*23	*24	*26	*27
Combustible fuels	1	*1	*1	*1	*1	*1
Hydro	*10	*10	*10	*10	*10	*10
Nuclear	..	..	..	..	..	..
Other	*11	*11	*12	*13	*15	*16
Main activity	*22	*22	*23	*24	*26	*27
Combustible fuels	1	*1	*1	*1	*1	*1
Hydro	*10	*10	*10	*10	*10	*10
Nuclear	..	..	..	..	..	..
Other	*11	*11	*12	*13	*15	*16
Combustible fuel input	Terajoules					
Biogas	0	0	*1	*1	0	*1
Natural gas	*28	*25	*26	*25	*20	*21
Municipal waste	0	0	0	0	0	0
Total input	*28	*25	*27	*26	*20	*22
Total production	9	8	9	8	6	8
Estimated efficiency (% of production to input)	32	32	32	32	32	34

Statistics on electricity
Lithuania

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	4397	4933	4266	4187	3511	3972
Combustible fuels	2354	2761	1750	1324	1089	1210
Hydro	1088	1024	1044	1181	960	948
Nuclear	..	..	..	..	..	..
Other	955	1148	1472	1682	1462	1814
Main activity	3661	4002	3378	3361	2864	3151
Combustible fuels	1861	2095	1132	748	674	612
Hydro	1088	1024	1044	1181	960	948
Nuclear	..	..	..	..	..	..
Other	712	883	1202	1432	1231	1591
Own use in electricity, CHP and heat plants	253	257	215	191	197	207
Net production	4144	4676	4051	3996	3314	3765
Imports	8521	7938	11106	11926	12848	13268
Exports	898	730	2831	3249	3215	3924
Losses	815	793	907	914	935	886
Consumption	10949	11089	11416	11757	12010	12219
Energy industries own use	1712	1747	1666	1697	1611	1678
By industry and construction	3119	3313	3417	3635	3686	3794
By transport	63	67	72	74	80	78
By households and other cons.	6055	5962	6261	6350	6633	6670
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	4037	3587	3665	3326	3354	3378
Combustible fuels	2778	2180	2184	1832	1837	1839
Hydro	877	877	877	877	877	877
Nuclear	..	..	..	..	..	..
Other	382	530	604	617	640	662
Main activity	3764	3313	3387	3046	3074	3096
Combustible fuels	2530	1931	1931	1577	1582	1582
Hydro	877	877	877	877	877	877
Nuclear	..	..	..	..	..	..
Other	357	505	579	592	615	637
Combustible fuel input	Terajoules					
Hard Coal	0	0	0	0	0	0
Peat	35	0	0	0	0	0
Biogas	603	669	996	1004	1209	1264
Gas-diesel oil	0	0	0	0	0	0
Fuel oil	1414	2060	1091	634	606	263
Refinery gas	99	198	396	282	366	198
Natural gas	24187	21472	14542	11180	9045	8339
Fuelwood	*6060	*6365	*5911	*7192	*7887	*7835
Municipal waste	975	1312	2480	2443	1678	1503
Industrial waste	258	290	486	181	584	665
Others	0	0	0	0	0	0
Total input	33631	32366	25902	22916	21375	20067
Total production	8474	9940	6300	4766	3921	4357
Estimated efficiency (% of production to input)	25	31	24	21	18	22

Statistics on electricity

Luxembourg

Item	2014	2015	2016	2017	2018	2019
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	2966	2766	2196	2235	2201	1908
Combustible fuels	1622	1030	467	470	490	547
Hydro	1169	1530	1528	1422	1337	949
Nuclear	..	..	..	..	..	..
Other	175	206	201	343	374	412
Main activity	2695	2492	1911	1957	1918	1623
Combustible fuels	1452	866	290	304	331	397
Hydro	1163	1524	1520	1418	1332	944
Nuclear	..	..	..	..	..	..
Other	80	102	101	235	255	281
Own use in electricity, CHP and heat plants	28	28	28	30	30	31
Net production	2938	2738	2168	2205	2171	1877
Imports	6961	7519	7718	7567	7553	6818
Exports	2067	1919	1420	1389	1392	939
Losses	153	158	158	156	155	156
Consumption	7677	8176	8310	8228	8177	7600
Energy industries own use	1496	1951	1943	1834	1717	1203
By industry and construction	3075	3145	3432	3008	3087	3025
By transport	124	139	138	142	144	146
By households and other cons.	2982	2941	2797	3245	3228	3225
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	2022	2024	1710	1709	1715	1778
Combustible fuels	524	514	138	130	131	152
Hydro	1330	1330	1330	1331	1330	1330
Nuclear	..	..	..	..	..	..
Other	168	180	242	248	254	296
Main activity	1851	1844	1509	1523	1530	1563
Combustible fuels	465	452	61	75	79	99
Hydro	1328	1328	1328	1328	1328	1328
Nuclear	..	..	..	..	..	..
Other	58	64	120	120	123	136
Combustible fuel input	Terajoules					
Biogas	384	395	448	447	485	483
Gas-diesel oil	0	0	43	8	4	5
Natural gas	12598	7918	3620	3215	2769	2695
Fuelwood	*525	*598	*612	*1122	*1976	*3376
Municipal waste	1171	1365	1400	1557	1552	1567
Total input	14678	10276	6123	6349	6785	8126
Total production	5839	3708	1681	1692	1763	1970
Estimated efficiency (% of production to input)	40	36	27	27	26	24