

Statistics on electricity

Gabon

Item	2017	2018	2019	2020	2021	2022
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	2724	2807	2859	3053	3034	3300
Combustible fuels	1505	1506	1547	1630	1664	2037
Hydro	1217	1300	1310	1420	1368	1260
Nuclear	..	..	..	..	..	..
Other	2	2	2	2	2	3
Main activity	2488	2581	2637	2810	2824	2776
Combustible fuels	1277	1287	1333	1395	1462	1520
Hydro	1212	1294	1304	1415	1363	1254
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	2
Own use in electricity, CHP and heat plants	102	96	98	98	99	159
Net production	2622	2711	2761	2955	2935	3141
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	444	525	537	554	561	604
Consumption	2331	2207	2282	2292	2340	2416
Energy industries own use	176	16	18	18	17	17
By industry and construction	648	653	679	666	676	697
By transport	8	8	8	8	13	15
By households and other cons.	1499	1530	1576	1599	1634	1686
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	533	751	*784	*784	*784	*786
Combustible fuels	359	418	*451	*451	*451	*451
Hydro	173	332	332	332	332	334
Nuclear	..	..	..	..	..	..
Other	*1	*1	*1	*1	*1	*1
Main activity	460	663	*696	*696	*696	*698
Combustible fuels	289	333	*366	*366	*366	*366
Hydro	171	330	330	330	330	332
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	3889	4261	4675	4436	5266	3152
Natural gas	15253	12938	13147	13154	13323	*18318
Fuelwood	334	*336	*348	*353	*354	..
Vegetal waste	..	..	..	..	..	170
Total input	19477	17535	18169	17943	18943	*21640
Total production	5416	5421	5570	5869	5989	7332
Estimated efficiency (% of production to input)	28	31	31	33	32	34

Statistics on electricity

Gambia

Item	2017	2018	2019	2020	2021	2022
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	317	394	462	485	516	592
Combustible fuels	314	388	456	478	510	586
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*4	*6	6	6	6	*6
Main activity	280	356	425	447	478	554
Combustible fuels	277	351	418	440	472	548
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*4	*6	6	6	6	*6
Own use in electricity, CHP and heat plants	*12	*17	*21	*61	76	101
Net production	305	377	442	424	440	491
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*68	*80	*95	*99	*102	*107
Consumption	*237	*297	*347	*325	*338	*384
Energy industries own use	..	..	..	..	..	..
By industry and construction	*40	*52	*60	*63	*65	*77
By transport	..	..	..	..	..	..
By households and other cons.	*197	*245	*287	*262	*273	*307
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*121	*126	*137	142	*162	*162
Combustible fuels	*118	*123	*134	138	*158	*158
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	3	3	4	4	4	4
Main activity	*86	*90	*102	106	*126	*126
Combustible fuels	*82	*87	*98	102	*122	*122
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	3	3	4	4	4	4
Combustible fuel input	Terajoules					
Gas-diesel oil	*2593	*3156	*3677	*3913	*4051	*4713
Fuel oil	*929	*1172	*1414	*1495	*1535	*1838
Total input	*3522	*4328	*5091	*5408	*5586	*6551
Total production	1129	1397	1642	1722	1837	2109
Estimated efficiency (% of production to input)	32	32	32	32	33	32

Statistics on electricity

Georgia

Item	2017	2018	2019	2020	2021	2022
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	11531	12149	11857	11160	12645	14247
Combustible fuels	2233	2115	2840	2821	2380	3388
Hydro	9210	9949	8932	8248	10182	10771
Nuclear	..	..	..	..	..	..
Other	88	84	85	91	83	88
Main activity	11531	12149	11857	11160	12645	14247
Combustible fuels	2233	2115	2840	2821	2380	3388
Hydro	9210	9949	8932	8248	10182	10771
Nuclear	..	..	..	..	..	..
Other	88	84	85	91	83	88
Own use in electricity, CHP and heat plants	215	215	236	217	214	258
Net production	11316	11934	11620	10943	12432	13988
Imports	1751	1522	1763	1712	3190	4693
Exports	940	602	380	256	1575	4131
Losses	904	886	918	888	892	1136
Consumption	11224	11968	12085	11512	13155	13415
Energy industries own use	15	31	26	33	37	29
By industry and construction	3295	3306	3253	3126	3562	3639
By transport	337	366	419	237	223	234
By households and other cons.	7578	8266	8388	8116	9333	9513
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	3592	3591	3712	3739	3989	4189
Combustible fuels	849	876	1108	990	1001	1126
Hydro	2723	2695	2583	2727	2967	3042
Nuclear	..	..	..	..	..	..
Other	20	20	21	21	21	21
Main activity	3592	3591	3712	3739	3989	4189
Combustible fuels	849	876	1108	990	1001	1126
Hydro	2723	2695	2583	2727	2967	3042
Nuclear	..	..	..	..	..	..
Other	20	20	21	21	21	21
Combustible fuel input	Terajoules					
Brown Coal	634	359	0	..	..	..
Natural gas	20408	19304	26653	24195	19504	29617
Total input	21042	19662	26653	24195	19504	29617
Total production	8039	7614	10225	10155	8567	12196
Estimated efficiency (% of production to input)	38	39	38	42	44	41

Statistics on electricity

Germany

Item	2017	2018	2019	2020	2021	2022
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	653723	640468	606917	575462	592799	580266
Combustible fuels	404286	385445	334214	302330	332188	335279
Hydro	26155	23863	25671	25275	24972	23576
Nuclear	76324	76005	75071	64382	69130	34709
Other	146958	155155	171961	183475	166509	186702
Main activity	596946	585511	553581	522452	538421	529870
Combustible fuels	348797	331660	281896	250491	278952	285889
Hydro	25983	23776	25573	25191	24873	23476
Nuclear	76324	76005	75071	64382	69130	34709
Other	145842	154070	171041	182388	165466	185796
Own use in electricity, CHP and heat plants	34670	34817	31053	27800	29384	28239
Net production	619053	605651	575864	547662	563415	552027
Imports	27842	31727	40126	47853	51731	49331
Exports	80301	80463	72793	66882	70306	76587
Losses	27024	26661	27474	26939	26582	26319
Consumption	539570	530254	515723	501693	518257	498451
Energy industries own use	20617	20860	19208	19466	18519	20706
By industry and construction	232227	230724	223267	211629	219328	207567
By transport	11957	12087	11605	11534	11246	13147
By households and other cons.	274769	266583	261643	259064	269164	257031
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	215326	227945	231489	233726	242648	250327
Combustible fuels	95134	102180	100524	98311	99241	100870
Hydro	11120	10684	10733	10808	10844	10974
Nuclear	10799	10799	9525	8113	8113	4205
Other	98273	104282	110707	116494	124450	134278
Main activity	203747	216807	220320	222575	231406	238448
Combustible fuels	83824	91301	89570	87357	88178	89170
Hydro	11078	10652	10698	10773	10809	10939
Nuclear	10799	10799	9525	8113	8113	4205
Other	98046	104055	110527	116332	124306	134134
Combustible fuel input	Terajoules					
Hard Coal	875477	801479	600095	461406	572229	647379
Brown Coal	1394434	1354287	1064141	857632	1019149	1073109
Biogas	238280	238366	236928	242451	233894	234094
Gas-diesel oil	8385	6708	5719	6364	7654	12771
Other oil products	21467	18974	17688	17527	15598	17929
Natural gas	749713	720855	780525	824084	826707	727773
Coke-oven gas	27371	27192	24384	22609	21158	19920
Blast furnace gas	71768	66613	63736	54392	65099	57971
Fuelwood	*119451	*124895	*125813	*130083	*126554	*119704
Municipal waste	196030	186036	182412	184468	189032	181502
Others	70840	62438	64075	54002	51947	49302
Total input	3773217	3607843	3165516	2855019	3129020	3141453
Total production	1455430	1387602	1203170	1088388	1195878	1207004
Estimated efficiency (% of production to input)	39	38	38	38	38	38

Statistics on electricity

Ghana

Item	2017	2018	2019	2020	2021	2022
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	14248	16425	18368	20170	22051	23163
Combustible fuels	8604	10375	11065	12820	14408	14810
Hydro	5616	6017	7252	7293	7521	8192
Nuclear	..	..	..	..	..	..
Other	28	33	52	57	122	162
Main activity	14068	16245	18188	20170	22051	23163
Combustible fuels	8424	10195	10885	12820	14408	14810
Hydro	5616	6017	7252	7293	7521	8192
Nuclear	..	..	..	..	..	..
Other	28	33	52	57	122	162
Own use in electricity, CHP and heat plants	181	179	180	0	723	796
Net production	14067	16246	18188	20170	21328	22367
Imports	320	140	127	58	44	37
Exports	268	740	1430	1801	1734	2215
Losses	805	1192	1184	1286	1571	2674
Consumption	13036	14401	15232	16531	18067	17516
Energy industries own use	..	..	..	..	..	..
By industry and construction	4583	5029	5260	5499	5746	7413
By transport	8	9	11	12	6	11
By households and other cons.	8446	9362	9962	11020	12316	10092
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	4609	5099	5382	5288	5449	5454
Combustible fuels	3006	3476	3759	3649	3753	3758
Hydro	1580	1580	1580	1580	1584	1584
Nuclear	..	..	..	..	..	..
Other	23	43	43	59	112	112
Main activity	4399	4889	5172	5288	5449	5454
Combustible fuels	2796	3266	3549	3649	3753	3758
Hydro	1580	1580	1580	1580	1584	1584
Nuclear	..	..	..	..	..	..
Other	23	43	43	59	112	112
Combustible fuel input	Terajoules					
Crude oil	10448	42	5752	2182	2172	5147
Gas-diesel oil	1327	613	489	1230	128	..
Fuel oil	..	..	..	..	3160	1332
Liquefied petroleum gas	3888	5015	1881	..	..	..
Natural gas	44757	55851	78499	115727	114913	134786
Total input	60420	61521	86620	119139	120373	141265
Total production	30974	37350	39834	46153	51868	53315
Estimated efficiency (% of production to input)	51	61	46	39	43	38

Statistics on electricity

Gibraltar

Item	2017	2018	2019	2020	2021	2022
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	214	215	220	215	223	211
Combustible fuels	213	215	220	215	223	211
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Main activity	214	215	220	215	223	211
Combustible fuels	213	215	220	215	223	211
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Own use in electricity, CHP and heat plants	4	4	4	4	5	4
Net production	209	211	215	210	219	207
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	6	7	7	7	7	6
Consumption	203	205	209	204	212	200
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	203	205	209	204	212	200
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*43	*43	*50	*50	*50	*50
Combustible fuels	*43	*43	*50	*50	*50	*50
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Main activity	*43	*43	*50	*50	*50	*50
Combustible fuels	*43	*43	*50	*50	*50	*50
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Combustible fuel input	Terajoules					
Fuel oil	2065	2079	1411	..	..	..
Natural gas	..	..	732	2145	2230	2108
Total input	2065	2079	2144	2145	2230	2108
Total production	769	775	791	772	803	759
Estimated efficiency (% of production to input)	37	37	37	36	36	36

Statistics on electricity

Greece

Item	2017	2018	2019	2020	2021	2022
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	55266	53263	48626	48252	54744	52670
Combustible fuels	41698	37412	32880	31055	33049	30647
Hydro	4040	5760	4051	3440	5961	4000
Nuclear	..	..	..	..	..	..
Other	9528	10091	11695	13757	15734	18023
Main activity	53333	51048	46146	45539	51949	49747
Combustible fuels	39765	35197	30400	28342	30254	27725
Hydro	4040	5760	4051	3440	5961	4000
Nuclear	..	..	..	..	..	..
Other	9528	10091	11695	13757	15734	18023
Own use in electricity, CHP and heat plants	4677	3179	3069	2917	1688	1073
Net production	50589	50084	45557	45335	53056	51597
Imports	8696	8550	11067	9831	7581	7751
Exports	2459	2272	1123	967	3897	4304
Losses	1102	5242	3692	5213	5612	5730
Consumption	55724	51120	51809	48985	50637	49682
Energy industries own use	1755	1650	1611	1456	1395	1554
By industry and construction	12284	12414	12308	11857	12170	11893
By transport	188	202	203	174	195	221
By households and other cons.	41497	36854	37687	35498	36877	36014
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	19426	19581	20478	20795	21929	23941
Combustible fuels	10804	10643	10643	9971	9581	10387
Hydro	3392	3409	3412	3417	3421	3421
Nuclear	..	..	..	..	..	..
Other	5230	5529	6423	7407	8927	10132
Main activity	18855	19013	19910	20227	21361	23373
Combustible fuels	10234	10076	10076	9404	9014	9820
Hydro	3392	3409	3412	3417	3421	3421
Nuclear	..	..	..	..	..	..
Other	5230	5529	6423	7407	8927	10132
Combustible fuel input	Terajoules					
Brown Coal	192615	185398	125530	69652	63980	63400
Biogas	3710	3790	3752	4147	3794	4637
Gas-diesel oil	13944	11777	9112	8526	7752	9758
Fuel oil	36667	36378	36324	31172	32955	33874
Liquefied petroleum gas	189	..	..	..	1	2
Refinery gas	6647	7103	10301	10044	7356	13236
Natural gas	132678	125276	140266	148654	173465	146729
Fuelwood	*145	*205	*784	*1104	*1055	*839
Industrial waste	0	1213	1758	405	329	423
Biodiesel	7	0	1	3	3	..
Total input	386602	371141	327827	273706	290691	272898
Total production	150112	134683	118370	111797	118976	110330
Estimated efficiency (% of production to input)	39	36	36	41	41	40

Statistics on electricity

Greenland

Item	2017	2018	2019	2020	2021	2022
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	518	550	531	566	569	614
Combustible fuels	130	*132	*122	*136	*137	*147
Hydro	388	418	409	431	433	467
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	518	550	531	566	569	614
Combustible fuels	130	*132	*122	*136	*137	*147
Hydro	388	418	409	431	433	467
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	16	*16	*16	*17	*17	*18
Net production	502	533	515	549	552	596
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	13	*10	*10	*10	*12	*10
Consumption	328	343	331	351	353	*398
Energy industries own use	..	..	..	..	..	..
By industry and construction	52	52	48	53	*54	*61
By transport	..	..	..	..	..	..
By households and other cons.	275	291	283	299	298	*337
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	1107	1203	1102	1174	*1175	*1198
Municipal waste	94	98	110	103	102	88
Total input	1201	1301	1212	1277	*1277	*1286
Total production	467	*475	*440	*489	*492	*530
Estimated efficiency (% of production to input)	39	37	36	38	39	41

Statistics on electricity

Grenada

Item	2017	2018	2019	2020	2021	2022
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	227	235	245	227	229	238
Combustible fuels	223	231	241	223	225	233
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	3	4	4	4	*5	*5
Main activity	220	228	238	220	221	230
Combustible fuels	220	228	238	220	221	230
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	6	6	7	7	8	8
Net production	220	228	238	220	222	230
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	18	16	15	16	15	16
Consumption	203	212	223	204	207	214
Energy industries own use	..	..	..	..	..	..
By industry and construction	5	6	6	6	6	6
By transport	..	..	..	..	..	..
By households and other cons.	197	206	217	198	201	208
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	55	57	58	56	59	60
Combustible fuels	52	54	54	52	56	56
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	3	3	4	4	4
Main activity	52	54	54	52	55	56
Combustible fuels	52	54	54	52	55	56
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	2016	2173	*2343	2020	2178	*2361
Total input	2016	2173	*2343	2020	2178	*2361
Total production	804	831	869	802	808	839
Estimated efficiency (% of production to input)	40	38	37	40	37	36

Statistics on electricity

Guam

Item	2017	2018	2019	2020	2021	2022
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	1760	1715	1724	1683	*1712	*1703
Combustible fuels	1700	1646	1655	1614	*1643	*1600
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	60	68	68	68	*68	*103
Main activity	1752	1698	1707	1667	*1695	*1686
Combustible fuels	1700	1646	1655	1614	*1643	*1600
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	52	52	52	52	*52	*86
Own use in electricity, CHP and heat plants	66	63	67	66	*67	*63
Net production	1694	1652	1657	1617	*1645	*1639
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	84	85	88	94	90	89
Consumption	1610	1567	1568	1523	1555	*1550
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	1610	1567	1568	1523	1555	*1550
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	457	458	460	462	463	*524
Combustible fuels	420	420	420	420	420	*420
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	37	38	40	42	43	104
Main activity	446	446	446	446	446	*506
Combustible fuels	420	420	420	420	420	*420
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	26	26	26	26	26	86
Combustible fuel input	Terajoules					
Total input	..	..	..	..	..	..
Total production	6119	5926	5958	5812	*5916	*5760
Estimated efficiency (% of production to input)	..	..	..	..	..	..

Statistics on electricity

Guatemala

Item	2017	2018	2019	2020	2021	2022
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	12272	13568	13563	12013	13061	12852
Combustible fuels	5816	7572	8335	5182	6594	5069
Hydro	5787	5218	4497	5966	5646	6970
Nuclear	..	..	..	..	..	..
Other	669	778	732	865	820	812
Main activity	11490	12522	12228	11122	11943	12025
Combustible fuels	5055	6554	7027	4323	5509	4274
Hydro	5765	5191	4470	5934	5614	6938
Nuclear	..	..	..	..	..	..
Other	669	778	732	865	820	812
Own use in electricity, CHP and heat plants	886	775	266	5	1	260
Net production	11386	12793	13297	12008	13060	12591
Imports	891	825	1141	1085	1141	1481
Exports	1858	2500	2190	1156	1116	1104
Losses	373	903	1587	1555	1711	1718
Consumption	10115	10220	10660	10381	11760	11252
Energy industries own use	..	..	..	..	..	..
By industry and construction	3707	3695	4017	3597	4495	4260
By transport	..	..	..	..	..	..
By households and other cons.	6408	6525	6644	6785	7266	6992
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	3356	3499	4042	4162	4118	4040
Combustible fuels	1845	1770	2234	2332	2284	2281
Hydro	1311	1492	1560	1577	1584	1518
Nuclear	..	..	..	..	..	..
Other	200	237	249	252	250	241
Main activity	2677	2846	3387	3507	3463	3385
Combustible fuels	1170	1122	1584	1682	1634	1631
Hydro	1307	1487	1555	1572	1579	1513
Nuclear	..	..	..	..	..	..
Other	200	237	249	252	250	241
Combustible fuel input	Terajoules					
Hard Coal	43218	51029	49813	32162	41171	15718
Biogas	308	430	308	281	472	290
Gas-diesel oil	114	62	114	127	49	105
Fuel oil	4074	3423	4129	3300	2371	1465
Petroleum coke	..	1751	*1801	*4953	*2070	*9532
Fuelwood	7	3	..	..	..	..
Bagasse	53779	51340	53779	54054	88131	75648
Total input	101499	108038	109943	94878	134264	102757
Total production	20939	27259	30005	18654	23740	18249
Estimated efficiency (% of production to input)	21	25	27	20	18	18

Statistics on electricity

Guernsey

Item	2017	2018	2019	2020	2021	2022
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	77	54	165	23	27	29
Combustible fuels	77	54	164	23	27	29
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	0	0	0	0	0
Main activity	77	54	165	23	27	29
Combustible fuels	77	54	164	23	27	29
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	0	0	0	0	0
Own use in electricity, CHP and heat plants	0	0	0	0	0	1
Net production	77	54	165	23	27	29
Imports	294	319	204	347	355	337
Exports	..	..	..	..	..	..
Losses	17	25	22	*32	*19	*20
Consumption	354	348	348	338	*364	*346
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	354	348	348	338	*364	*346
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*132	*132	*132	*132	*132	*132
Combustible fuels	*132	*132	*132	*132	*132	*132
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	0	0	0	0	0
Main activity	*132	*132	*132	*132	*132	*132
Combustible fuels	*132	*132	*132	*132	*132	*132
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	0	0	0	0	0
Combustible fuel input	Terajoules					
Gas-diesel oil	*56	*56	*65	*56	*65	*52
Fuel oil	*646	*444	*1454	*162	*186	*214
Total input	*702	*500	*1519	*218	*250	*266
Total production	277	194	592	82	97	104
Estimated efficiency (% of production to input)	39	39	39	38	39	39

Statistics on electricity

Guinea

Item	2017	2018	2019	2020	2021	2022
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	1740	1884	2020	2420	3036	3263
Combustible fuels	537	702	740	935	401	325
Hydro	1203	1182	1280	1484	2635	2938
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	1740	1884	2020	2420	3036	3263
Combustible fuels	537	702	740	935	401	325
Hydro	1203	1182	1280	1484	2635	2938
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	24	17	34	6	41	18
Net production	1716	1867	1985	2414	2995	3245
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*261	*283	*304	*363	*460	*490
Consumption	*1455	*1584	*1682	*2051	*2535	*2755
Energy industries own use	..	..	..	..	..	..
By industry and construction	*677	*737	*782	*954	*1179	*1281
By transport	..	..	..	..	..	..
By households and other cons.	*779	*848	*900	*1097	*1356	*1474
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	548	517	534	863	952	1045
Combustible fuels	*93	180	198	320	292	445
Hydro	455	337	336	543	660	600
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	548	517	534	863	952	1045
Combustible fuels	*93	180	198	320	292	445
Hydro	455	337	336	543	660	600
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	*516	*731	*774	*860	*851	*839
Fuel oil	*5131	*6626	*6747	*8969	*3192	*3313
Total input	*5647	*7357	*7521	*9829	*4043	*4151
Total production	1934	2528	2664	3366	1442	1170
Estimated efficiency (% of production to input)	34	34	35	34	36	28

Statistics on electricity

Guinea-Bissau

Item	2017	2018	2019	2020	2021	2022
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*91	*91	*108	*184	*202	*196
Combustible fuels	*88	*88	*97	*171	*188	*181
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	3	3	11	13	14	*15
Main activity	*68	*72	*89	*165	*183	*177
Combustible fuels	*65	*69	*78	*152	*169	*162
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	3	3	11	13	14	*15
Own use in electricity, CHP and heat plants	*3	*3	*3	*4	*3	*4
Net production	*88	*88	*105	*180	*199	*192
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*8	*8	*10	*17	*19	19
Consumption	80	80	*95	*163	*180	*174
Energy industries own use	..	..	..	..	..	..
By industry and construction	22	22	*24	24	*35	*35
By transport	..	..	..	..	..	..
By households and other cons.	58	59	*71	*139	*145	*139
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*27	*27	*45	*46	*47	*48
Combustible fuels	*26	*26	*40	*40	*40	*40
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	1	*5	*6	*7	*8
Main activity	*22	*22	*40	*41	*42	*43
Combustible fuels	*21	*21	*35	*35	*35	*35
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	1	*5	*6	*7	*8
Combustible fuel input	Terajoules					
Gas-diesel oil	*980	*985	*1213	*2163	*2378	*2288
Total input	*980	*985	*1213	*2163	*2378	*2288
Total production	*315	*316	*351	*616	*677	*651
Estimated efficiency (% of production to input)	32	32	29	28	28	28

Statistics on electricity

Guyana

Item	2017	2018	2019	2020	2021	2022
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	1105	1136	1135	1136	1143	*1152
Combustible fuels	1098	1125	1123	1124	1129	*1134
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	7	11	11	12	14	18
Main activity	1022	1054	1105	1112	1120	*1135
Combustible fuels	1015	1043	1094	1100	1106	*1117
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	7	11	11	12	14	18
Own use in electricity, CHP and heat plants	12	33	22	24	24	*22
Net production	1092	1103	1112	1112	1119	*1130
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	233	235	247	230	231	*233
Consumption	859	868	869	881	883	*892
Energy industries own use	..	..	..	..	..	..
By industry and construction	334	337	325	328	329	*333
By transport	..	..	..	..	..	..
By households and other cons.	526	531	545	553	554	*559
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	348	348	335	337	359	372
Combustible fuels	343	340	327	329	349	360
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	5	8	8	8	10	12
Main activity	298	297	293	295	317	330
Combustible fuels	293	289	285	287	307	318
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	5	8	8	8	10	12
Combustible fuel input	Terajoules					
Gas-diesel oil	3096	3335	4018	4313	3700	5108
Fuel oil	7908	8356	8482	7584	6785	6997
Natural gas	..	2	14	45	37	60
Fuelwood	..	..	53	70	71	*71
Bagasse	327	231	155	121	94	80
Total input	11331	11923	12723	12133	10686	12317
Total production	3951	4049	4044	4046	4063	*4084
Estimated efficiency (% of production to input)	35	34	32	33	38	33

Statistics on electricity

Haiti

Item	2017	2018	2019	2020	2021	2022
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	1058	1048	1064	1029	1033	1012
Combustible fuels	928	848	887	882	896	824
Hydro	127	197	174	144	134	185
Nuclear	..	..	..	..	..	..
Other	3	3	3	3	3	3
Main activity	1035	1027	1042	1008	1012	992
Combustible fuels	905	827	865	861	875	804
Hydro	127	197	174	144	134	185
Nuclear	..	..	..	..	..	..
Other	3	3	3	3	3	3
Own use in electricity, CHP and heat plants	17	18	18	17	19	18
Net production	1041	1031	1046	1012	1014	994
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	159	157	160	154	155	152
Consumption	888	905	918	*856	890	878
Energy industries own use	..	..	..	..	..	..
By industry and construction	189	192	195	188	171	168
By transport	..	..	..	..	..	..
By households and other cons.	699	713	724	*668	719	710
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*344	*352	*471	*471	*471	*471
Combustible fuels	*282	*290	*390	*390	*390	*390
Hydro	61	61	78	78	78	*78
Nuclear	..	..	..	..	..	..
Other	1	1	3	3	3	*3
Main activity	*245	*250	*333	*333	*333	*333
Combustible fuels	*183	*188	*253	*253	*253	*253
Hydro	61	61	78	78	78	*78
Nuclear	..	..	..	..	..	..
Other	1	1	3	3	3	*3
Combustible fuel input	Terajoules					
Gas-diesel oil	3856	3482	3534	3417	3363	3295
Fuel oil	8284	7725	7839	7581	7698	7544
Total input	12140	11207	11373	10998	11061	10840
Total production	3340	3052	3192	3175	3224	2967
Estimated efficiency (% of production to input)	28	27	28	29	29	27

Statistics on electricity

Honduras

Item	2017	2018	2019	2020	2021	2022
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	9385	9629	10586	10059	10957	11149
Combustible fuels	4820	4253	5866	5232	4940	5228
Hydro	2971	3158	2430	2701	3765	3883
Nuclear	..	..	..	..	..	..
Other	1595	2219	2290	2127	2252	2039
Main activity	7875	7982	8595	8315	8774	8942
Combustible fuels	3309	2606	3935	3556	2826	3090
Hydro	2971	3158	2430	2701	3765	3883
Nuclear	..	..	..	..	..	..
Other	1595	2219	2230	2058	2183	1970
Own use in electricity, CHP and heat plants	14	14	23	74	108	0
Net production	9372	9616	10563	9985	10849	11149
Imports	446	372	260	292	204	195
Exports	25	8	6	0	3	5
Losses	2858	2991	3178	3511	3293	3580
Consumption	6935	7008	7648	6775	7774	7621
Energy industries own use	..	*20	*9	*10	*17	*16
By industry and construction	2143	2229	2687	2204	2591	2715
By transport	..	..	..	..	..	..
By households and other cons.	4792	4760	4951	4562	5166	4890
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	2663	2740	2882	3011	3028	3184
Combustible fuels	1267	1254	1308	1318	1318	1393
Hydro	685	715	731	840	853	923
Nuclear	..	..	..	..	..	..
Other	711	771	844	852	857	868
Main activity	2269	2371	2427	2450	2467	2622
Combustible fuels	873	885	910	823	823	897
Hydro	685	715	730	840	853	923
Nuclear	..	..	..	..	..	..
Other	711	771	787	787	792	803
Combustible fuel input	Terajoules					
Hard Coal	29	..	..	..	..	..
Gas-diesel oil	370	1114	2146	1324	565	421
Fuel oil	23315	17449	27121	26474	23609	27321
Liquefied petroleum gas	..	1201	1641	1443	1568	1262
Petroleum coke	6275	9369	8962	8270	8883	11140
Fuelwood	2	1	1	34	..	..
Bagasse	2088	21848	12889	9578	8074	7886
Vegetal waste	12218	9520	10858	7833	8109	8322
Total input	44297	60502	63618	54957	50808	56352
Total production	17352	15310	21118	18833	17784	18821
Estimated efficiency (% of production to input)	39	25	33	34	35	33

Statistics on electricity

Hungary

Item	2017	2018	2019	2020	2021	2022
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	32915	32067	34291	34930	36120	35775
Combustible fuels	15407	14725	15429	15358	15301	14365
Hydro	220	222	219	244	212	178
Nuclear	16098	15733	16288	16055	15990	15812
Other	1190	1387	2355	3273	4617	5419
Main activity	31615	30490	32313	32578	33270	32576
Combustible fuels	14501	13743	14373	14341	14344	13373
Hydro	220	222	219	244	212	178
Nuclear	16098	15733	16288	16055	15990	15812
Other	796	792	1433	1938	2724	3213
Own use in electricity, CHP and heat plants	2187	2176	2154	2016	1972	1991
Net production	30728	29891	32137	32914	34148	33783
Imports	19803	18613	19853	19176	19967	21589
Exports	6925	4265	7269	7499	7213	9437
Losses	3456	3357	3292	3139	3052	2781
Consumption	39647	40587	41383	41191	42805	42418
Energy industries own use	1154	1169	1161	1145	1089	1072
By industry and construction	16735	17234	17751	17480	18775	18206
By transport	1208	1207	1200	1214	1245	1307
By households and other cons.	20550	20977	21271	21352	21696	21833
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	8892	9332	10110	10901	11826	13205
Combustible fuels	6120	6118	6159	6145	6154	6038
Hydro	57	57	58	58	60	60
Nuclear	2000	2013	2013	2013	2027	2027
Other	715	1144	1880	2685	3585	5080
Main activity	8300	8569	9027	9495	9974	10526
Combustible fuels	5867	5867	5873	5871	5873	5644
Hydro	57	57	58	58	60	60
Nuclear	2000	2013	2013	2013	2027	2027
Other	376	632	1083	1553	2014	2795
Combustible fuel input	Terajoules					
Hard Coal	1001	869	1069	804	506	447
Brown Coal	53838	54874	42046	39351	32564	32665
Biogas	2612	2546	2480	2390	2122	2215
Gas-diesel oil	344	129	172	86	301	301
Natural gas	69704	64509	75161	79079	84537	76977
Coke-oven gas	1722	2055	1957	1344	1705	1314
Blast furnace gas	2895	3056	2801	2271	1582	1265
Fuelwood	*20873	*21958	*21342	*20374	*21854	*21262
Municipal waste	4314	4399	4309	4733	4861	4543
Industrial waste	939	1223	1338	1263	1337	1393
Others	686	785	503	383	378	337
Total input	158929	156403	153178	152078	151747	142720
Total production	55465	53010	55544	55289	55085	51715
Estimated efficiency (% of production to input)	35	34	36	36	36	36

Statistics on electricity

Iceland

Item	2017	2018	2019	2020	2021	2022
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	19239	19830	19489	19127	19614	20120
Combustible fuels	2	2	3	3	2	3
Hydro	14059	13814	13461	13157	13804	14196
Nuclear	..	..	..	..	..	..
Other	5178	6014	6025	5967	5808	5922
Main activity	19239	19830	19489	19127	19614	20120
Combustible fuels	2	2	3	3	2	3
Hydro	14059	13814	13461	13157	13804	14196
Nuclear	..	..	..	..	..	..
Other	5178	6014	6025	5967	5808	5922
Own use in electricity, CHP and heat plants	392	397	369	349	387	423
Net production	18846	19432	19120	18779	19227	19697
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	591	554	531	540	565	540
Consumption	18061	18664	18402	18049	18505	19031
Energy industries own use	169	177	175	180	159	158
By industry and construction	15388	15525	14900	14738	15057	15324
By transport	76	89	23	28	42	61
By households and other cons.	2427	2874	3304	3102	3247	3488
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	2823	2973	2979	2989	2999	3006
Combustible fuels	116	116	116	116	126	126
Hydro	1995	2099	2104	2114	2114	2122
Nuclear	..	..	..	..	..	..
Other	712	758	758	758	758	758
Main activity	2823	2973	2979	2989	2999	3006
Combustible fuels	116	116	116	116	126	126
Hydro	1995	2099	2104	2114	2114	2122
Nuclear	..	..	..	..	..	..
Other	712	758	758	758	758	758
Combustible fuel input	Terajoules					
Gas-diesel oil	27	24	53	24	35	42
Biodiesel	0	0	0	..	..	..
Total input	27	24	53	24	35	42
Total production	8	7	10	11	9	11
Estimated efficiency (% of production to input)	28	28	18	46	25	25

Statistics on electricity

India

Item	2017	2018	2019	2020	2021	2022
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	1490257	1521958	1576740	*1533307	*1610082	1816815
Combustible fuels	1217575	1244959	1253707	*1200660	*1247823	1423001
Hydro	126235	135164	156049	*160909	*162441	162499
Nuclear	38346	37813	46472	*43029	*47112	45861
Other	108101	*104022	*120512	*128709	*152706	*185454
Main activity	1305954	1346325	1358798	*1351266	*1474027	1588089
Combustible fuels	1037184	1072314	1042838	*1027127	*1122700	1206301
Hydro	126123	134894	155769	*160558	*162091	162099
Nuclear	38346	37813	46472	*43029	*47112	45861
Other	104301	*101304	*113719	*120552	*142124	*173828
Own use in electricity, CHP and heat plants	100826	108297	*109107	*123512	*129984	*141130
Net production	1389431	1413661	1467633	*1409795	*1480098	1675685
Imports	5611	4657	6351	*9318	*9548	7843
Exports	7203	8494	9491	*9426	*9574	10253
Losses	259827	269165	266527	*252502	*289838	279545
Consumption	1135284	1163990	1297138	*1187126	*1212023	1409224
Energy industries own use	*4956	*5679	*5645	*4937	*5404	*5824
By industry and construction	*468909	484843	551362	*500291	*529124	595000
By transport	14356	16823	19577	*18500	*19800	25000
By households and other cons.	647063	656645	720554	*663398	*657695	783400
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	400455	427794	442320	458430	472397	487554
Combustible fuels	276062	298316	305307	307076	305746	309169
Hydro	45344	45502	45830	46341	46858	46990
Nuclear	6780	6780	6780	6780	6780	6780
Other	72269	77196	84403	*98233	*113013	*124615
Main activity	343824	352179	364297	382151	398055	410714
Combustible fuels	222907	226279	230600	234728	236109	237269
Hydro	45293	45399	45699	46209	46723	46850
Nuclear	6780	6780	6780	6780	6780	6780
Other	68844	73721	81218	*94434	*108443	*119815
Combustible fuel input	Terajoules					
Hard Coal	10383044	11026567	10981401	9854338	*10851386	*12304665
Brown Coal	372854	362189	363320	319489	565256	605598
Gas-diesel oil	15222	21457	13803	19608	21586	18318
Fuel oil	12362	14059	12968	*9575	13776	17655
Liquefied petroleum gas	..	95	47	..	..	..
Naphtha	2982	223	..	*3115	*267	846
Natural gas	632575	468447	*637011	*646955	*607816	*541952
Coke-oven gas	*36321	*38643	*40732	*37601	*43250	*44471
Bagasse	558763	569080	584108	581059	*601983	*735792
Vegetal waste	132922	102533	100589	134091	137256	*129506
Total input	12147045	12603292	12733980	11605830	*12842576	*14398802
Total production	4383270	4481852	4513345	*4322376	*4492163	5122804
Estimated efficiency (% of production to input)	36	36	35	37	35	36

Statistics on electricity

Indonesia

Item	2017	2018	2019	2020	2021	2022
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	262673	275657	281248	276504	289471	344244
Combustible fuels	230068	242665	247723	240582	252870	301613
Hydro	18632	19774	20435	21624	19580	25013
Nuclear	..	..	..	..	..	..
Other	13973	13218	13089	14298	17021	17618
Main activity	205415	228599	236449	238950	249666	310753
Combustible fuels	187715	195606	203610	203848	214895	268122
Hydro	12425	19774	19749	20804	17750	25013
Nuclear	..	..	..	..	..	..
Other	5276	13218	13089	14298	17021	17618
Own use in electricity, CHP and heat plants	9865	10784	11929	12758	11579	23231
Net production	252808	264873	269319	263746	277892	321013
Imports	1120	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	24887	25093	25822	25263	25143	27655
Consumption	244637	251796	258092	250204	258511	294156
Energy industries own use	..	..	..	..	..	..
By industry and construction	93465	92968	88323	79555	*80904	107174
By transport	240	266	278	160	261	287
By households and other cons.	150932	158562	169491	170489	177346	186695
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	59370	63913	65097	65491	73149	73599
Combustible fuels	51394	56013	57079	57225	63166	63493
Hydro	4990	5587	5617	5717	6465	6572
Nuclear	..	..	..	..	..	..
Other	2986	2313	2401	2549	3518	3535
Main activity	46430	52346	52616	53039	58450	58484
Combustible fuels	39797	44763	45022	45231	49223	49193
Hydro	4853	5436	5447	5513	5964	6012
Nuclear	..	..	..	..	..	..
Other	1780	2146	2147	2294	3263	3279
Combustible fuel input	Terajoules					
Hard Coal	2013593	2393869	2572155	2676052	2956208	3393966
Motor gasoline	6867	8284	7682	*7974	..	..
Gas-diesel oil	97653	123109	104087	100362	*107182	90945
Fuel oil	16483	22180	16083	14483	9708	3936
Natural gas	559508	465092	546210	403234	400947	425473
Fuelwood	0	..	..	..	..	..
Charcoal	*266	..	..	..	..	..
Biodiesel	*9826	*10746	*15382	22227	21546	25302
Total input	2704194	3023279	3261600	3224332	3495591	3939622
Total production	828245	873594	891803	866096	910332	1085807
Estimated efficiency (% of production to input)	31	29	27	27	26	28

Statistics on electricity

Iran (Islamic Rep. of)

Item	2017	2018	2019	2020	2021	2022
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	307992	309642	326672	342427	355912	367669
Combustible fuels	285036	285569	287539	313487	337927	345417
Hydro	15051	15765	31087	22076	12267	12619
Nuclear	7514	7450	6757	5527	4358	8085
Other	391	858	1288	1338	1359	1548
Main activity	300087	304385	320793	336307	349317	360897
Combustible fuels	277131	280311	281660	307367	331333	338645
Hydro	15051	15765	31087	22076	12267	12619
Nuclear	7514	7450	6757	5527	4358	8085
Other	391	858	1288	1338	1359	1548
Own use in electricity, CHP and heat plants	8833	8702	14293	16546	10455	10800
Net production	299159	300940	312379	325881	345457	356869
Imports	3852	2588	1342	2674	3019	3019
Exports	8172	6295	8206	9470	5723	5723
Losses	33722	32853	32550	33359	35736	36926
Consumption	254942	262084	277698	291067	307143	318539
Energy industries own use	3225	3362	3619	3706	3676	3610
By industry and construction	80749	87491	95974	104541	107038	111080
By transport	477	514	622	558	633	657
By households and other cons.	170491	170717	177483	182263	195796	203191
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	76568	78794	80467	83506	85432	95004
Combustible fuels	63156	65253	66752	69590	71449	81600
Hydro	11949	11953	12026	12192	12193	11503
Nuclear	1020	1020	1020	1020	1020	1020
Other	443	568	669	*704	*770	881
Main activity	70815	72889	74467	77506	79432	89004
Combustible fuels	57403	59348	60752	63590	65449	75600
Hydro	11949	11953	12026	12192	12193	11503
Nuclear	1020	1020	1020	1020	1020	1020
Other	443	568	669	*704	*770	881
Combustible fuel input	Terajoules					
Biogas	288	254	219	278	271	271
Gas-diesel oil	181176	216433	371722	369357	361788	374691
Fuel oil	141457	131677	205957	224776	258329	221199
Other kerosene	175	165	..	..	..	..
Natural gas	2730586	2650860	2370940	2649370	2883922	2979957
Coke-oven gas	2181	2225	3401	3543	3336	3607
Blast furnace gas	7739	7018	8324	7980	7176	6644
Total input	3063602	3008632	2960561	3255304	3514822	3586368
Total production	1026131	1028048	1035141	1128553	1216538	1243500
Estimated efficiency (% of production to input)	33	34	35	35	35	35

Statistics on electricity

Iraq

Item	2017	2018	2019	2020	2021	2022
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	85541	81292	87370	85433	86164	115530
Combustible fuels	83307	79417	82350	81214	82761	112818
Hydro	2176	1818	4963	4162	3346	2651
Nuclear	..	..	..	..	..	..
Other	57	57	57	57	57	61
Main activity	85484	81235	87313	85376	86107	115469
Combustible fuels	83307	79417	82350	81214	82761	112818
Hydro	2176	1818	4963	4162	3346	2651
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	1917	2296	6282	5638	5018	4197
Net production	83623	78997	81088	79795	81147	111333
Imports	13644	21793	34396	38814	41464	6089
Exports	..	..	..	..	..	..
Losses	*53803	*63568	*76371	*72871	66421	*61138
Consumption	*40771	39592	*42087	44499	52325	56284
Energy industries own use	..	..	..	..	..	..
By industry and construction	*5169	4783	*5084	*5340	5772	6108
By transport	..	..	..	..	..	..
By households and other cons.	*35602	34809	*37002	39159	46554	50176
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	26134	27234	27234	*27234	*27234	*27239
Combustible fuels	24300	25400	25400	*25400	*25400	*25400
Hydro	1797	1797	1797	1797	1797	1797
Nuclear	..	..	..	..	..	..
Other	37	37	37	37	37	42
Main activity	26097	27197	27197	*27197	*27197	*27197
Combustible fuels	24300	25400	25400	*25400	*25400	*25400
Hydro	1797	1797	1797	1797	1797	1797
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Crude oil	338791	338423	313050	323406	379678	546820
Gas-diesel oil	28264	31474	49078	34500	24720	23401
Fuel oil	192951	143339	159410	141132	174774	186391
Natural gas	425006	534497	664420	706958	681264	672762
Total input	985011	1047734	1185959	1205996	1260437	1429373
Total production	299907	285903	296459	292370	297940	406145
Estimated efficiency (% of production to input)	30	27	25	24	24	28

Statistics on electricity

Ireland

Item	2017	2018	2019	2020	2021	2022
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	30874	31135	30956	32267	31862	33856
Combustible fuels	22525	21546	19771	19440	20968	21551
Hydro	895	932	1132	1224	1036	948
Nuclear	..	..	..	..	..	..
Other	7454	8658	10053	11603	9858	11357
Main activity	28637	28925	28786	30073	29658	31591
Combustible fuels	20334	19393	17687	17352	18904	19479
Hydro	895	932	1132	1224	1036	948
Nuclear	..	..	..	..	..	..
Other	7408	8600	9967	11496	9718	11164
Own use in electricity, CHP and heat plants	783	782	685	757	851	823
Net production	30091	30353	30270	31510	31010	33032
Imports	1116	1622	2180	1761	2451	1582
Exports	1795	1649	1535	1913	863	1330
Losses	2176	2236	2275	2312	2410	2462
Consumption	27154	28513	29046	29327	30639	31255
Energy industries own use	516	632	614	674	622	487
By industry and construction	6746	6482	6466	6900	6853	6861
By transport	54	66	86	95	147	200
By households and other cons.	19837	21333	21879	21659	23017	23706
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	10610	10987	11130	11242	11140	11310
Combustible fuels	6745	6752	6417	6316	6139	6000
Hydro	529	529	529	529	529	529
Nuclear	..	..	..	..	..	..
Other	3336	3706	4184	4397	4472	4780
Main activity	10224	10576	10682	10758	10605	10716
Combustible fuels	6395	6396	6053	5949	5768	5629
Hydro	529	529	529	529	529	529
Nuclear	..	..	..	..	..	..
Other	3299	3651	4100	4280	4308	4558
Combustible fuel input	Terajoules					
Hard Coal	37501	21254	6693	8282	29254	24713
Peat	22480	20982	20851	15436	5596	5835
Biogas	1914	1699	1694	1593	1643	1523
Gas-diesel oil	306	342	515	475	1273	1178
Fuel oil	1075	1089	2725	3931	13733	9400
Liquefied petroleum gas	27	27	27	18	19	25
Refinery gas	14	..	..	..	..	..
Natural gas	112511	114234	117046	119186	108756	120431
Fuelwood	*3561	*3184	*3223	*4105	*4203	*4548
Municipal waste	4596	7957	7748	8155	7796	7863
Total input	183986	170767	160521	161183	172273	175516
Total production	81091	77565	71175	69985	75485	77583
Estimated efficiency (% of production to input)	44	45	44	43	44	44

Statistics on electricity

Isle of Man

Item	2017	2018	2019	2020	2021	2022
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	467	493	581	552	360	577
Combustible fuels	463	490	578	548	356	575
Hydro	4	*2	3	4	4	2
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	443	460	548	518	328	544
Combustible fuels	439	457	545	515	324	542
Hydro	4	*2	3	4	4	2
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	0	0	0	1	0	0
Net production	467	492	581	551	360	577
Imports	41	*51	*23	*24	*151	50
Exports	95	131	192	168	103	194
Losses	*50	*50	*46	61	*62	*60
Consumption	363	362	366	352	342	363
Energy industries own use	..	..	..	..	..	..
By industry and construction	133	135	141	128	123	134
By transport	..	..	..	..	..	..
By households and other cons.	230	227	225	224	219	229
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	187	187	184	184	184	184
Combustible fuels	186	186	183	183	183	183
Hydro	1	1	1	1	1	1
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	180	180	176	176	176	176
Combustible fuels	179	179	175	175	175	175
Hydro	1	1	1	1	1	1
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Fuel oil	48	35	29	8	75	*19
Natural gas	3587	3587	4304	4167	2585	4083
Municipal waste	*396	*546	*542	*543	*526	542
Total input	4031	4168	4875	4718	3186	4643
Total production	1666	1765	2080	1973	1283	2070
Estimated efficiency (% of production to input)	41	42	43	42	40	45

Statistics on electricity

Israel

Item	2017	2018	2019	2020	2021	2022
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	67674	68894	72351	72285	73796	75964
Combustible fuels	65742	66978	68796	67702	68054	69347
Hydro	0	0	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1933	1916	3555	4583	5743	6618
Main activity	63409	63847	65506	64212	64475	66002
Combustible fuels	63409	63847	65000	63574	63698	65270
Hydro	0	0	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	505	638	776	731
Own use in electricity, CHP and heat plants	2199	2304	2425	2374	2307	2338
Net production	65476	66590	69926	69910	71489	73626
Imports	..	..	..	..	..	..
Exports	5649	5863	6311	6243	6523	7016
Losses	2387	2514	2787	3197	3455	3549
Consumption	57149	58307	60760	60910	61603	64460
Energy industries own use	855	826	871	861	897	859
By industry and construction	12943	13996	12521	12615	13011	12105
By transport	..	..	..	..	..	..
By households and other cons.	43352	43485	47368	47433	47695	51497
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	17927	18120	19239	20106	21458	22552
Combustible fuels	16813	16617	16837	16982	17437	17173
Hydro	8	9	9	309	309	309
Nuclear	..	..	..	..	..	..
Other	1106	1493	2392	2815	3712	5071
Main activity	16236	16001	16460	16818	17255	16989
Combustible fuels	16205	15964	16181	16239	16690	16422
Hydro	4	2	2	302	302	302
Nuclear	..	..	..	..	..	..
Other	27	35	277	277	263	265
Combustible fuel input	Terajoules					
Hard Coal	206953	195455	206387	180082	160954	158590
Biogas	960	878	878	963	846	913
Oil shale	1783	648	614	520	623	211
Gas-diesel oil	6594	2646	6648	1751	1122	1889
Fuel oil	1284	968	865	525	364	848
Natural gas	342459	300611	287920	317304	340017	354454
Total input	560033	501207	503312	501146	503927	516905
Total production	236671	241120	247667	243727	244993	249649
Estimated efficiency (% of production to input)	42	48	49	49	49	48

Statistics on electricity

Italy

Item	2017	2018	2019	2020	2021	2022
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	295830	289708	293853	280531	289074	283961
Combustible fuels	208824	192129	195084	180805	189132	198515
Hydro	38025	50503	48154	49495	47478	30291
Nuclear	..	..	..	..	..	..
Other	48982	47077	50616	50231	52463	55155
Main activity	276048	266925	271513	260196	238868	230034
Combustible fuels	189674	170015	173389	161147	149948	157612
Hydro	37536	50037	47661	49030	47148	30044
Nuclear	..	..	..	..	..	..
Other	48839	46873	50463	50019	41772	42379
Own use in electricity, CHP and heat plants	10564	9864	9903	8883	9028	9345
Net production	285266	279845	283950	271648	280045	274616
Imports	42895	47170	43975	39790	46572	47391
Exports	5134	3271	5834	7590	3782	4404
Losses	18668	17988	17818	17366	19032	19152
Consumption	304359	305755	304273	286483	303803	298438
Energy industries own use	12393	12674	12340	11282	11603	11450
By industry and construction	115609	116070	119535	117305	117551	111638
By transport	11383	11540	11542	10114	8590	9009
By households and other cons.	164973	165471	160856	147781	166059	166342
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	114241	115221	116435	116383	117160	120947
Combustible fuels	61289	61276	61284	60106	59496	60135
Hydro	22426	22499	22541	22695	22750	22861
Nuclear	..	..	..	..	..	..
Other	30526	31446	32610	33583	34914	37951
Main activity	109207	109699	111003	111218	96690	98243
Combustible fuels	56426	55929	56028	55115	49766	50150
Hydro	22307	22393	22435	22604	22648	22755
Nuclear	..	..	..	..	..	..
Other	30473	31377	32541	33498	24277	25337
Combustible fuel input	Terajoules					
Hard Coal	304038	266920	183035	144183	151543	241182
Biogas	77414	76494	81049	79520	70414	67698
Fuel oil	20059	12496	12649	12985	18333	25033
Refinery gas	30818	30381	31070	27800	10418	11391
Other oil products	119490	125585	107705	101846	74998	104810
Natural gas	1162357	1075138	1171351	1114340	1102157	1058304
Blast furnace gas	16953	17987	17071	10825	14764	11772
Fuelwood	*72332	*72080	*71284	*73475	*69717	65410
Municipal waste	71443	70893	73103	70608	70719	70483
Other liquid biofuels	26895	26114	28444	28341	24148	18043
Others	18031	15985	16476	14452	12648	11437
Total input	1919829	1790074	1793237	1678376	1619860	1685562
Total production	751765	691664	702303	650898	680876	714655
Estimated efficiency (% of production to input)	39	39	39	39	42	42

Statistics on electricity

Jamaica

Item	2017	2018	2019	2020	2021	2022
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	4360	4402	4465	4939	4705	5243
Combustible fuels	3873	3875	3948	4399	4170	4652
Hydro	154	179	155	136	139	116
Nuclear	..	..	..	..	..	..
Other	333	348	362	404	396	475
Main activity	2533	2561	2916	3975	3686	4178
Combustible fuels	2379	2382	2761	3839	3547	4062
Hydro	154	179	155	136	139	116
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	18	46	40	*59	*58	7
Net production	4342	4356	4425	4880	4648	5235
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	1152	1144	1149	1185	1218	1266
Consumption	3191	3299	3409	3873	3646	3380
Energy industries own use	..	..	..	..	..	..
By industry and construction	1358	1800	1353	1527	1166	1174
By transport	..	..	..	..	..	..
By households and other cons.	1833	1499	2056	2346	2480	2206
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	1041	1045	*1150	*1156	*1156	*1156
Combustible fuels	871	874	*962	*968	*968	*968
Hydro	29	29	29	*29	*29	*29
Nuclear	..	..	..	..	..	..
Other	141	142	*159	*159	*159	*159
Main activity	661	665	*665	*665	*665	*665
Combustible fuels	609	612	*612	*612	*612	*612
Hydro	29	29	29	*29	*29	*29
Nuclear	..	..	..	..	..	..
Other	23	24	*24	*24	*24	*24
Combustible fuel input	Terajoules					
Gas-diesel oil	1587	1419	1744	1747	1383	2813
Fuel oil	29007	29169	26496	10584	9422	10533
Natural gas	*4089	3789	11434	25071	25344	19649
Bagasse	*980	*778	*954	*780	*780	*772
Total input	35663	35155	40628	38182	36928	33768
Total production	13943	13950	14212	15837	15013	16749
Estimated efficiency (% of production to input)	39	40	35	41	41	50

Statistics on electricity

Japan

Item	2017	2018	2019	2020	2021	2022
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	1080585	1066840	1038532	1016901	1049662	1018606
Combustible fuels	871912	821926	788485	782680	773669	755458
Hydro	91104	88348	87653	87548	88825	86038
Nuclear	32912	64929	63779	38752	70805	56070
Other	84658	91637	98614	107920	116362	121040
Main activity	929784	906514	878298	857863	876470	845950
Combustible fuels	791580	737145	708036	708059	690712	675126
Hydro	88356	85058	84325	84549	85784	82955
Nuclear	32912	64929	63779	38752	70805	56070
Other	16936	19382	22158	26504	29169	31799
Own use in electricity, CHP and heat plants	48209	43484	42133	40382	41370	41742
Net production	1032376	1023356	996399	976519	1008292	976864
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	40642	45010	44095	46265	49292	42222
Consumption	989515	970463	951967	938934	951156	932451
Energy industries own use	24895	24894	24828	25502	27426	25726
By industry and construction	346143	347162	337896	322843	331403	317568
By transport	17496	17304	17315	16530	16530	16530
By households and other cons.	600980	581104	571928	574060	575797	572627
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	349557	356630	355932	369759	375637	385317
Combustible fuels	200906	200893	195898	198255	195455	195944
Hydro	50014	50037	50033	50033	49929	50008
Nuclear	39132	38042	33083	33083	33083	33083
Other	59505	67659	76918	88388	97170	106282
Main activity	277170	276708	269718	274171	274265	277227
Combustible fuels	177075	175706	171244	173127	171052	170756
Hydro	49562	49582	49635	49635	49532	49613
Nuclear	39132	38042	33083	33083	33083	33083
Other	11401	13378	15756	18325	20598	23775
Combustible fuel input	Terajoules					
Hard Coal	2973099	2866822	2839565	2682259	2733676	2721591
Fuel oil	230668	165907	123333	119784	170334	197008
Refinery gas	132644	105276	81099	98351	112054	98044
Natural gas	3287592	3127444	2938633	3023126	2750965	2593447
Coke-oven gas	62449	58947	59835	53931	48168	42627
Blast furnace gas	196630	190515	184687	144098	174055	138027
Fuelwood	*49428	*61510	*75004	*97367	*114765	*141239
Vegetal waste	*65387	*66502	*88171	*77286	*104571	*68872
Industrial waste	154752	173755	151587	144510	145355	147475
Bitumen	45702	41532	39058	21599	30695	37885
Others	228213	183254	180180	168931	166477	155768
Total input	7426563	7041465	6761152	6631244	6551115	6341982
Total production	3138884	2958933	2838547	2817650	2785209	2719649
Estimated efficiency (% of production to input)	42	42	42	42	43	43

Statistics on electricity

Jersey

Item	2017	2018	2019	2020	2021	2022
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	49	45	44	43	33	41
Combustible fuels	49	45	44	43	33	41
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	4	2	2	1	1	1
Combustible fuels	4	2	2	1	1	1
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	49	45	44	43	33	41
Imports	626	637	630	610	641	606
Exports	..	..	..	..	..	..
Losses	53	48	40	39	44	38
Consumption	620	633	632	613	633	607
Energy industries own use	..	..	..	..	..	..
By industry and construction	*239	*239	*234	*206	*208	*212
By transport	..	..	..	..	..	..
By households and other cons.	381	395	398	407	426	395
Net installed capacity	Thousand kilowatts					
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	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	58	32	28	19	21	17
Municipal waste	*799	*760	*764	*760	*760	*760
Total input	*857	*792	*792	*779	*781	*777
Total production	176	161	159	156	120	148
Estimated efficiency (% of production to input)	21	20	20	20	15	19

Statistics on electricity

Jordan

Item	2017	2018	2019	2020	2021	2022
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	20793	20476	20995	20952	21289	22065
Combustible fuels	19387	18332	18016	16675	16168	16425
Hydro	38	23	18	18	19	19
Nuclear	..	..	..	..	..	..
Other	1369	2122	2961	4259	5102	5621
Main activity	19244	18737	19056	18838	19038	19508
Combustible fuels	18154	17154	16794	15768	15261	15518
Hydro	38	23	18	18	19	19
Nuclear	..	..	..	..	..	..
Other	1053	1560	2244	3052	3758	3971
Own use in electricity, CHP and heat plants	514	443	401	377	364	*370
Net production	20279	20033	20594	20576	20925	21695
Imports	51	188	239	632	395	263
Exports	57	94	98	190	173	192
Losses	2029	2094	2249	2307	2341	*2200
Consumption	17605	17594	17999	18670	19012	19430
Energy industries own use	101	100	89	100	96	*100
By industry and construction	3910	3861	3622	3592	4049	*4028
By transport	..	..	..	..	..	..
By households and other cons.	13594	13632	14287	14978	14867	15302
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	4551	4891	5269	6561	6811	*6791
Combustible fuels	3941	3796	3796	4250	4247	*4208
Hydro	6	6	6	6	4	4
Nuclear	..	..	..	..	..	..
Other	604	1089	1467	*2305	*2560	*2579
Main activity	4099	4281	4559	5411	5541	*5521
Combustible fuels	3691	3546	3546	4000	3977	*3938
Hydro	6	6	6	6	4	4
Nuclear	..	..	..	..	..	..
Other	402	729	1007	1405	1560	1579
Combustible fuel input	Terajoules					
Biogas	49	41	42	42	31	1
Gas-diesel oil	2847	2791	3014	2907	2971	3086
Fuel oil	24313	10670	6973	6282	7316	6451
Natural gas	163276	159917	155279	148962	144905	153925
Total input	190484	173418	165308	158193	155224	163464
Total production	69791	65994	64857	60030	58205	59130
Estimated efficiency (% of production to input)	37	38	39	38	37	36

Statistics on electricity

Kazakhstan

Item	2017	2018	2019	2020	2021	2022
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	103197	107605	106878	110890	115078	113461
Combustible fuels	91487	96364	95346	98711	102493	100130
Hydro	11210	10395	9994	9660	9208	9201
Nuclear	..	..	..	..	..	..
Other	499	845	1538	2519	3377	4130
Main activity	100169	104453	105730	108629	98830	97999
Combustible fuels	88526	93456	94638	96703	89276	87410
Hydro	11210	10395	9994	9660	6193	6472
Nuclear	..	..	..	..	..	..
Other	433	602	1098	2266	3361	4117
Own use in electricity, CHP and heat plants	0	0	6488	9542	1613	7562
Net production	103197	107605	100390	101348	113466	105899
Imports	1328	1561	1935	1569	2071	3694
Exports	5692	5042	2419	2323	2639	2243
Losses	6411	6569	9689	6746	9445	12441
Consumption	88750	95318	80662	80050	103464	94883
Energy industries own use	9957	14981	8707	9928	16595	11721
By industry and construction	47606	50396	44081	43978	43995	40574
By transport	5626	3234	3525	2939	3787	3502
By households and other cons.	25560	26707	24350	23206	39088	39087
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*26319	26192	24827	25976	26803	27370
Combustible fuels	*23251	22640	20281	20652	21956	21961
Hydro	2726	2756	2778	2785	*2806	*2808
Nuclear	..	..	..	..	..	..
Other	342	796	1769	2540	2041	2601
Main activity	*25513	25269	24291	25068	22956	23523
Combustible fuels	*22500	21902	20079	20079	19456	19461
Hydro	2726	2756	2778	2785	*1806	*1808
Nuclear	..	..	..	..	..	..
Other	287	611	1434	2205	1694	2254
Combustible fuel input	Terajoules					
Hard Coal	902591	991148	948986	948231	708461	891756
Brown Coal	8132	10486	5748	2263	1942	2561
Biogas	32	19	43	70	37	3
Gas-diesel oil	..	..	..	..	16790	10793
Fuel oil	8888	8601	7442	7660	14979	9963
Natural gas	261839	313105	311886	297164	304109	315959
Total input	1181481	1323358	1274105	1255388	1046318	1231035
Total production	329354	346911	343247	355359	368975	360467
Estimated efficiency (% of production to input)	28	26	27	28	35	29

Statistics on electricity

Kenya

Item	2017	2018	2019	2020	2021	2022
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	10360	11182	11621	11604	12377	12962
Combustible fuels	2766	1679	1526	891	1512	1849
Hydro	2777	3986	3205	4233	3675	3068
Nuclear	..	..	..	..	..	..
Other	4818	5517	6890	6480	7189	8045
Main activity	10129	11049	11408	11467	12103	12670
Combustible fuels	2534	1546	1313	755	1262	1585
Hydro	2777	3986	3205	4233	3651	3040
Nuclear	..	..	..	..	..	..
Other	4818	5517	6890	6480	7189	8045
Own use in electricity, CHP and heat plants	84	86	86	120	95	430
Net production	10276	11096	11535	11483	12281	12531
Imports	230	130	212	137	288	316
Exports	12	35	16	17	18	0
Losses	1938	2445	2751	2791	2831	2839
Consumption	8410	8702	8854	8955	9734	10008
Energy industries own use	..	..	..	..	..	..
By industry and construction	5067	4337	4441	4440	4897	4958
By transport	..	..	..	..	..	..
By households and other cons.	3343	4366	4413	4515	4837	5050
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	2321	3043	3155	3173	3331	3462
Combustible fuels	816	1209	1113	1087	1016	1020
Hydro	826	821	826	834	843	844
Nuclear	..	..	..	..	..	..
Other	679	1014	1216	1252	1472	1599
Main activity	2271	2679	2791	2835	2988	3119
Combustible fuels	766	845	749	749	678	682
Hydro	826	821	826	834	838	839
Nuclear	..	..	..	..	..	..
Other	679	1014	1216	1252	1472	1599
Combustible fuel input	Terajoules					
Biogas	5	4	4	2	6	4
Gas-diesel oil	1196	9116	9159	3268	4278	9868
Fuel oil	11009	*7272	4646	5050	9519	8645
Other kerosene	..	..	..	..	759	505
Other oil products	..	..	..	..	1052	823
Vegetal waste	16800	2027	1775	2624	2999	3172
Total input	29010	18419	15584	10944	18612	23017
Total production	9956	6043	5493	3209	5445	6658
Estimated efficiency (% of production to input)	34	33	35	29	29	29

Statistics on electricity

Kiribati

Item	2017	2018	2019	2020	2021	2022
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	34	35	38	*37	*38	*38
Combustible fuels	29	30	33	*32	*33	*33
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	5	5	5	*5	*5	*5
Main activity	31	33	35	*35	*36	*36
Combustible fuels	27	28	30	*30	*31	*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	32	34	36	*36	*37	*37
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	5	5	5	3	5	*4
Consumption	*28	*29	*32	*33	*32	*33
Energy industries own use	..	..	..	..	..	..
By industry and construction	*8	*8	*9	*8	*9	*9
By transport	..	..	..	..	..	..
By households and other cons.	*20	*21	*23	*25	*23	*24
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*11	*11	*12	*12	*12	*12
Combustible fuels	*8	*8	*9	*9	*9	*9
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	3	3	3	*3	*3	*3
Main activity	*10	*10	*11	*10	*11	*11
Combustible fuels	*7	*7	*8	*7	*8	*8
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	3	3	3	*3	*3	*3
Combustible fuel input	Terajoules					
Gas-diesel oil	*292	*310	*331	*301	*305	*310
Total input	*292	*310	*331	*301	*305	*310
Total production	103	109	117	*116	*118	*119
Estimated efficiency (% of production to input)	35	35	35	39	39	38

Statistics on electricity

Korea, Dem.Ppl's.Rep.

Item	2017	2018	2019	2020	2021	2022
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	23544	24949	23853	24053	25565	26465
Combustible fuels	11600	12100	12800	11200	9400	9800
Hydro	11900	12800	11000	12800	16100	16600
Nuclear	..	..	..	..	..	..
Other	45	49	53	53	65	65
Main activity	23544	24949	23853	24053	25565	26465
Combustible fuels	11600	12100	12800	11200	9400	9800
Hydro	11900	12800	11000	12800	16100	16600
Nuclear	..	..	..	..	..	..
Other	45	49	53	53	65	65
Own use in electricity, CHP and heat plants	2230	2363	2260	2279	2422	2507
Net production	21314	22585	21593	21774	23143	23958
Imports	..	3	28	9	0	0
Exports	..	296	33	7	413	517
Losses	3721	3897	3769	3802	3975	4101
Consumption	17593	18396	17818	17975	18755	19340
Energy industries own use	..	..	..	..	..	..
By industry and construction	12002	12550	12156	12263	12795	13194
By transport	530	554	536	541	565	582
By households and other cons.	5061	5292	5126	5171	5395	5563
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	7756	8188	8192	8267	8278	8278
Combustible fuels	2960	3360	3360	*3360	*3360	*3360
Hydro	4761	4790	4790	4865	4865	4865
Nuclear	..	..	..	..	..	..
Other	35	38	42	42	53	53
Main activity	7756	8188	8192	8267	8278	8278
Combustible fuels	2960	3360	3360	*3360	*3360	*3360
Hydro	4761	4790	4790	4865	4865	4865
Nuclear	..	..	..	..	..	..
Other	35	38	42	42	53	53
Combustible fuel input	Terajoules					
Hard Coal	140816	148355	155213	135041	115342	119680
Brown Coal	3164	2638	2950	2775	2278	2380
Fuel oil	14134	13843	16757	15446	9180	10346
Total input	158114	164836	174920	153262	126800	132406
Total production	41758	43560	46080	40320	33840	35280
Estimated efficiency (% of production to input)	26	26	26	26	27	27

Statistics on electricity

Korea, Republic of

Item	2017	2018	2019	2020	2021	2022
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	570109	589378	568414	574095	609460	613888
Combustible fuels	403377	434559	397708	381567	412992	394082
Hydro	7006	7270	6249	7148	6737	7256
Nuclear	148427	133505	145910	160184	158015	176054
Other	11299	14043	18547	25195	31716	36496
Main activity	533140	552029	531344	534643	567257	580981
Combustible fuels	367372	398333	361983	343623	372512	363244
Hydro	7006	7270	6249	7148	6737	7256
Nuclear	148427	133505	145910	160184	158015	176054
Other	10335	12921	17202	23688	29992	34427
Own use in electricity, CHP and heat plants	21227	23272	21754	21028	30485	30680
Net production	548882	566106	546660	553066	578975	583208
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	18790	18183	19000	18610	19424	20020
Consumption	543861	550590	542836	532348	556933	562914
Energy industries own use	20624	19216	19020	19653	20971	21186
By industry and construction	274429	278814	272589	262376	275642	278607
By transport	2864	2967	3111	3271	3626	3665
By households and other cons.	245944	249593	248116	247048	256694	259455
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	123485	128206	132898	139181	143787	148729
Combustible fuels	86377	89014	88174	89555	90109	90109
Hydro	6494	6498	6509	6507	6521	6513
Nuclear	22529	21850	23250	23250	23250	24650
Other	8085	10844	14964	19868	23907	27456
Main activity	113954	117633	122844	128753	132944	137428
Combustible fuels	78130	80138	80211	81592	82146	82146
Hydro	6494	6498	6509	6507	6521	6513
Nuclear	22529	21850	23250	23250	23250	24650
Other	6802	9147	12873	17403	21027	24119
Combustible fuel input	Terajoules					
Hard Coal	2138581	2211701	2201498	1866058	1828275	1593597
Brown Coal	208595	192147	37190	36460	40486	37369
Fuel oil	44641	48864	28553	18122	18306	30929
Naphtha	45689	47573	31957	31634	36444	36043
Natural gas	984356	1207447	1136360	1183330	1365000	1304801
Coke-oven gas	35239	36748	33942	30634	28727	28466
Blast furnace gas	123685	122311	130363	125351	127645	114342
Fuelwood	*41348	*52534	*55244	*54312	*52750	*62112
Industrial waste	13666	13476	11985	12882	15464	15474
Other recovered gases	34685	38854	32944	42544	42055	37613
Others	50221	53939	63750	50606	53571	62425
Total input	3720707	4025592	3763785	3451934	3608723	3323171
Total production	1452158	1564413	1431748	1373643	1486770	1418695
Estimated efficiency (% of production to input)	39	39	38	40	41	43

Statistics on electricity

Kosovo

Item	2017	2018	2019	2020	2021	2022
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	5918	5915	6348	6713	6892	6998
Combustible fuels	5738	5611	6037	6348	6453	6361
Hydro	179	273	210	263	297	260
Nuclear	..	..	..	..	..	..
Other	1	32	101	102	142	377
Main activity	5918	5915	6348	6713	6892	6998
Combustible fuels	5738	5611	6037	6348	6453	6361
Hydro	179	273	210	263	297	260
Nuclear	..	..	..	..	..	..
Other	1	32	101	102	142	377
Own use in electricity, CHP and heat plants	617	535	497	551	630	621
Net production	5301	5381	5851	6161	6262	6377
Imports	1242	825	928	966	3336	3687
Exports	880	677	905	1283	2649	3139
Losses	1317	1125	1145	945	1040	870
Consumption	4338	4398	4714	4894	5802	5713
Energy industries own use	..	..	..	..	..	..
By industry and construction	1063	980	1043	1072	1142	1110
By transport	..	..	..	..	..	..
By households and other cons.	3275	3418	3671	3822	4660	4603
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	1409	1409	1417	1442	1446	1550
Combustible fuels	1288	1288	1288	1288	1288	1288
Hydro	80	80	85	110	110	110
Nuclear	..	..	..	..	..	..
Other	40	40	44	44	48	152
Main activity	1409	1409	1417	1442	1446	1550
Combustible fuels	1288	1288	1288	1288	1288	1288
Hydro	80	80	85	110	110	110
Nuclear	..	..	..	..	..	..
Other	40	40	44	44	48	152
Combustible fuel input	Terajoules					
Brown Coal	55789	59501	62182	63282	64126	63055
Gas-diesel oil	72	62	87	80	86	86
Fuel oil	72	71	71	99	99	81
Total input	55932	59634	62340	63461	64310	63222
Total production	20657	20199	21732	22852	23229	22900
Estimated efficiency (% of production to input)	37	34	35	36	36	36

Statistics on electricity

Kuwait

Item	2017	2018	2019	2020	2021	2022
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	73824	74157	75203	74956	80757	83529
Combustible fuels	73786	74099	75071	74743	80569	83366
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	38	58	132	213	188	163
Main activity	73824	74157	75203	74956	80757	83529
Combustible fuels	73786	74099	75071	74743	80569	83366
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	38	58	132	213	188	163
Own use in electricity, CHP and heat plants	7957	8370	8324	8600	8522	8617
Net production	65867	65787	66879	66356	72235	74912
Imports	553	202	451	451	325	130
Exports	390	535	580	135	338	172
Losses	6603	6545	6675	6667	7222	7487
Consumption	59427	58909	60075	60005	65000	67383
Energy industries own use	16292	16150	16470	16450	17820	18473
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	43135	42759	43605	43554	47180	48910
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	18767	18778	18779	20209	20236	20225
Combustible fuels	18723	18723	18723	20153	20180	20180
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	44	55	56	56	56	45
Main activity	18767	18778	18779	20209	20236	20225
Combustible fuels	18723	18723	18723	20153	20180	20180
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	44	55	56	56	56	45
Combustible fuel input	Terajoules					
Crude oil	54019	36642	20209	153000	66636	55205
Gas-diesel oil	29953	20888	30949	26230	40972	35734
Fuel oil	252296	260576	237212	138850	241432	219938
Natural gas	403477	434116	466577	435986	451115	435056
Total input	739745	752223	754946	754066	800154	745933
Total production	265630	266756	270256	269075	290048	300118
Estimated efficiency (% of production to input)	36	35	36	36	36	40

Statistics on electricity

Kyrgyzstan

Item	2017	2018	2019	2020	2021	2022
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	15514	15728	15100	15404	14815	13883
Combustible fuels	1311	1410	1256	1425	1858	1954
Hydro	14203	14318	13844	13979	12957	11929
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	15499	15689	15068	15378	14792	13860
Combustible fuels	1296	1371	1224	1399	1835	1931
Hydro	14203	14318	13844	13979	12957	11929
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	136	194	142	447	166	515
Net production	15378	15534	14958	14957	14649	13368
Imports	..	..	269	352	1683	2806
Exports	1215	755	271	302	548	550
Losses	2844	2814	2514	2745	2738	2389
Consumption	11190	11965	12442	12262	13046	13235
Energy industries own use	182	101	86	74	132	102
By industry and construction	1763	2510	2190	1411	1729	1886
By transport	46	44	31	17	23	24
By households and other cons.	9199	9310	10135	10760	11162	11223
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	3869	*3869	3869	3869	3869	3869
Combustible fuels	*734	*734	734	734	734	734
Hydro	3135	*3135	3135	3135	3135	3135
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	3863	*3863	3863	3863	3863	3863
Combustible fuels	*728	*728	728	728	728	728
Hydro	3135	*3135	3135	3135	3135	3135
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Hard Coal	6120	4043	527	2039	10685	7266
Brown Coal	6462	8367	8441	9730	14390	15138
Fuel oil	566	1010	606	929	727	929
Natural gas	1697	1142	1270	1207	2368	2832
Total input	14845	14563	10844	13905	28170	26164
Total production	4720	5076	4522	5130	6689	7034
Estimated efficiency (% of production to input)	32	35	42	37	24	27

Statistics on electricity

Lao People's Dem. Rep.

Item	2017	2018	2019	2020	2021	2022
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	33227	36762	31133	*39971	*44931	51031
Combustible fuels	12441	13703	12194	*13665	*13798	12216
Hydro	20777	22999	18899	*26262	*31072	38736
Nuclear	..	..	..	..	..	..
Other	9	60	40	*45	61	79
Main activity	33227	36762	31133	*39971	*44931	51031
Combustible fuels	12441	13703	12194	*13665	*13798	12216
Hydro	20777	22999	18899	*26262	*31072	38736
Nuclear	..	..	..	..	..	..
Other	9	60	40	*45	61	79
Own use in electricity, CHP and heat plants	0	1	0	*6	15	0
Net production	33227	36761	31133	*39965	*44915	51031
Imports	500	302	1345	*1331	*1358	873
Exports	24901	27216	*22460	*29933	*33678	*38465
Losses	3861	*4431	*3424	*3196	*2911	2388
Consumption	4966	5417	6596	*8144	*9688	11068
Energy industries own use	..	..	..	..	..	..
By industry and construction	2087	2286	3099	*4291	*5988	6969
By transport	..	..	..	..	..	109
By households and other cons.	2880	3130	3496	*3853	*3700	3990
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	6931	7187	8026	10021	11667	12340
Combustible fuels	1903	1909	*1909	*2600	*2817	*2800
Hydro	5006	5256	6083	7376	8791	9481
Nuclear	..	..	..	..	..	..
Other	22	22	34	45	59	59
Main activity	6931	7187	8026	10021	11667	12340
Combustible fuels	1903	1909	*1909	*2600	*2817	*2800
Hydro	5006	5256	6083	7376	8791	9481
Nuclear	..	..	..	..	..	..
Other	22	22	34	45	59	59
Combustible fuel input	Terajoules					
Brown Coal	149008	*154224	*137305	*134810	*137660	146081
Bagasse	*425	*711	*743	*900	*770	*569
Total input	149432	*154935	*138048	*135710	*138430	146650
Total production	44788	49331	43898	*49192	*49671	43976
Estimated efficiency (% of production to input)	30	32	32	36	36	30

Statistics on electricity

Latvia

Item	2017	2018	2019	2020	2021	2022
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	7531	6725	6438	5725	5846	4997
Combustible fuels	3000	4170	4174	2940	2990	2016
Hydro	4381	2432	2108	2603	2708	2750
Nuclear	..	..	..	..	..	..
Other	150	123	157	182	148	231
Main activity	7337	6535	6251	5543	5678	4822
Combustible fuels	2812	3984	3994	2767	2833	1884
Hydro	4377	2430	2106	2601	2706	2748
Nuclear	..	..	..	..	..	..
Other	148	121	152	175	140	189
Own use in electricity, CHP and heat plants	506	522	491	283	302	229
Net production	7025	6203	5947	5442	5544	4768
Imports	4073	5174	4611	4173	4666	5308
Exports	4137	4265	3493	2548	2894	2997
Losses	474	448	427	377	385	361
Consumption	6485	6662	6637	6689	6930	6718
Energy industries own use	..	..	..	165	191	255
By industry and construction	1763	1842	1846	1864	1946	1843
By transport	105	104	101	94	98	101
By households and other cons.	4617	4717	4690	4566	4695	4518
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	2941	2915	2938	2944	2940	3017
Combustible fuels	1299	1270	1270	1274	1268	1234
Hydro	1564	1565	1587	1586	1587	1588
Nuclear	..	..	..	..	..	..
Other	78	80	81	83	84	195
Main activity	2908	2881	2904	2905	2902	2892
Combustible fuels	1268	1239	1241	1243	1239	1207
Hydro	1563	1563	1585	1585	1586	1586
Nuclear	..	..	..	..	..	..
Other	77	78	78	78	77	99
Combustible fuel input	Terajoules					
Hard Coal	50	90	42	0	0	0
Peat	..	85	0	1	1	3
Biogas	3569	3291	3033	3021	2464	1994
Gas-diesel oil	6	4	3	1	0	62
Fuel oil	0	0	0	0	0	0
Liquefied petroleum gas	0	0	0	0	0	4
Other oil products	0	0	0	0	0	..
Natural gas	18586	27058	26417	17267	17629	9800
Fuelwood	*11070	*11693	*11341	*11159	*11748	*11309
Peat products	..	..	..	..	..	0
Others	..	2	..	..	..	..
Total input	33281	42222	40837	31448	31842	23172
Total production	10800	15012	15025	10584	10765	7257
Estimated efficiency (% of production to input)	32	36	37	34	34	31

Statistics on electricity

Lebanon

Item	2017	2018	2019	2020	2021	2022
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	23411	23198	23869	19772	*15879	*11419
Combustible fuels	22955	22765	22791	18797	*14958	*9462
Hydro	415	348	965	843	612	695
Nuclear	..	..	..	..	..	..
Other	41	85	112	133	309	1262
Main activity	14498	15245	14757	10473	7715	2821
Combustible fuels	14083	14897	13792	9630	7103	2126
Hydro	415	348	965	843	612	695
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	41	96	181	*250	*226	*199
Net production	23370	23102	23687	19522	*15653	*11220
Imports	534	3	3	2	1	..
Exports	..	..	..	..	..	..
Losses	*2151	*2080	*2140	1873	*1409	*1009
Consumption	*21753	*21033	21637	17650	14245	*10211
Energy industries own use	..	..	..	..	..	..
By industry and construction	*5700	*5511	*5669	*5592	*3163	*2267
By transport	..	..	..	..	..	..
By households and other cons.	*16053	*15522	15968	12059	11082	*7944
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	3730	3736	3773	*3773	*4072	5022
Combustible fuels	3409	3409	3409	*3409	*3600	3864
Hydro	282	282	282	282	282	282
Nuclear	..	..	..	..	..	..
Other	39	45	82	82	190	876
Main activity	2594	2594	2594	*2594	*2785	3049
Combustible fuels	2309	2309	2309	*2309	*2500	2764
Hydro	282	282	282	282	282	282
Nuclear	..	..	..	..	..	..
Other	3	3	3	3	3	3
Combustible fuel input	Terajoules					
Biogas	..	83	415	257	..	..
Gas-diesel oil	124593	122210	*128969	*125822	*92419	*76641
Fuel oil	77415	75581	70782	51954	31755	165
Total input	202007	197874	*200166	*178032	*124174	*76806
Total production	82638	81955	82049	67670	*53849	*34064
Estimated efficiency (% of production to input)	41	41	41	38	43	44

Statistics on electricity

Lesotho

Item	2017	2018	2019	2020	2021	2022
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	502	517	393	427	533	482
Combustible fuels	*1	1	1	1	1	1
Hydro	501	517	392	426	531	480
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	1	1
Main activity	502	517	393	427	533	482
Combustible fuels	*1	1	1	1	1	1
Hydro	501	517	392	426	531	480
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	1	1
Own use in electricity, CHP and heat plants	1	1	0	1	1	1
Net production	501	517	393	426	531	480
Imports	387	397	542	442	427	508
Exports	1	3	1	1	1	1
Losses	116	115	130	87	102	133
Consumption	700	807	791	673	689	854
Energy industries own use	..	..	..	..	..	..
By industry and construction	309	320	312	207	220	229
By transport	..	..	..	..	..	..
By households and other cons.	391	487	479	466	469	625
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	75	75	75	75	75	76
Combustible fuels	*1	1	1	1	1	1
Hydro	74	74	74	74	74	74
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	1
Main activity	75	75	75	75	75	76
Combustible fuels	*1	1	1	1	1	1
Hydro	74	74	74	74	74	74
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	1
Combustible fuel input	Terajoules					
Gas-diesel oil	*4	*4	7	*7	*7	9
Total input	*4	*4	7	*7	*7	9
Total production	*2	2	2	2	3	3
Estimated efficiency (% of production to input)	56	55	28	27	37	32

Statistics on electricity

Liberia

Item	2017	2018	2019	2020	2021	2022
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*478	*405	*418	*446	*478	*468
Combustible fuels	*351	*277	*290	*318	*249	*236
Hydro	*124	*124	*124	*124	223	228
Nuclear	..	..	..	..	..	..
Other	*3	*4	*4	*4	*5	*5
Main activity	*275	*201	*214	*242	273	263
Combustible fuels	*151	*77	*90	*118	49	36
Hydro	*124	*124	*124	*124	223	228
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	0	0
Own use in electricity, CHP and heat plants	*10	*10	*10	*10	*10	*10
Net production	*468	*395	*408	*436	*468	*458
Imports	*20	*20	*20	*20	20	25
Exports	..	..	..	..	..	..
Losses	*147	*137	*144	*152	*171	*165
Consumption	*341	*278	*284	*304	*317	*318
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	*341	*278	*284	*304	*317	*318
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*194	*195	*195	*185	*161	*166
Combustible fuels	*100	*100	*100	*102	*98	*103
Hydro	*92	*92	*92	80	60	60
Nuclear	..	..	..	..	..	..
Other	*2	*3	*3	*3	*3	*3
Main activity	*122	*122	*122	112	88	93
Combustible fuels	*30	*30	*30	32	28	33
Hydro	*92	*92	*92	80	60	60
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	0	0
Combustible fuel input	Terajoules					
Gas-diesel oil	*3702	*2915	*3057	*3350	*2623	*2623
Total input	*3702	*2915	*3057	*3350	*2623	*2623
Total production	*1265	*997	*1045	*1146	*897	*848
Estimated efficiency (% of production to input)	34	34	34	34	34	32

Statistics on electricity

Libya

Item	2017	2018	2019	2020	2021	2022
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	33282	34171	34629	29499	34786	35106
Combustible fuels	33274	34164	34621	29491	34776	35097
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	8	8	8	8	9	10
Main activity	33282	34171	34629	29499	34786	35106
Combustible fuels	33274	34164	34621	29491	34776	35097
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	8	8	8	8	9	10
Own use in electricity, CHP and heat plants	999	843	802	835	869	892
Net production	32283	33328	33827	28664	33917	34214
Imports	302	465	776	1259	784	719
Exports	..	..	..	..	..	..
Losses	6683	6893	6985	5950	7017	7081
Consumption	25902	26900	27618	23973	27684	27852
Energy industries own use	..	..	..	..	..	..
By industry and construction	1544	1473	1308	923	1184	1086
By transport	..	..	..	..	..	..
By households and other cons.	24359	25427	26310	23050	26500	26766
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	10243	10516	10516	*10516	*10517	*11002
Combustible fuels	10238	10511	10511	*10511	*10511	*10996
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	5	5	5	5	6	6
Main activity	10243	10516	10516	*10516	*10517	*11002
Combustible fuels	10238	10511	10511	*10511	*10511	*10996
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	5	5	5	5	6	6
Combustible fuel input	Terajoules					
Gas-diesel oil	79206	85152	87003	56459	58310	60161
Fuel oil	24278	31431	26061	21476	22636	23046
Natural gas	266448	261466	271271	252387	310490	311580
Total input	369932	378048	384334	330322	391437	394787
Total production	119786	122989	124635	106168	125195	126348
Estimated efficiency (% of production to input)	32	33	32	32	32	32

Statistics on electricity

Liechtenstein

Item	2017	2018	2019	2020	2021	2022
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	93	89	103	104	107	103
Combustible fuels	2	2	2	1	2	3
Hydro	69	62	75	73	74	62
Nuclear	..	..	..	..	..	..
Other	22	25	26	30	31	39
Main activity	93	89	103	104	107	103
Combustible fuels	2	2	2	1	2	3
Hydro	69	62	75	73	74	62
Nuclear	..	..	..	..	..	..
Other	22	25	26	30	31	39
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	93	89	103	104	107	103
Imports	314	321	307	299	311	309
Exports	..	..	..	..	..	..
Losses	..	..	..	..	..	..
Consumption	407	410	410	402	418	412
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	407	410	410	402	418	412
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*24	*26	*27	*29	*29	*33
Combustible fuels	*1	*1	*1	*1	*1	*1
Hydro	*10	*10	*10	*10	*10	*11
Nuclear	..	..	..	..	..	..
Other	*13	*15	*16	*18	*18	*21
Main activity	*24	*26	*27	*29	*29	*33
Combustible fuels	*1	*1	*1	*1	*1	*1
Hydro	*10	*10	*10	*10	*10	*11
Nuclear	..	..	..	..	..	..
Other	*13	*15	*16	*18	*18	*21
Combustible fuel input	Terajoules					
Biogas	*1	*1	*1	*1	*1	*1
Natural gas	*25	*20	*21	*20	*26	*22
Fuelwood	..	..	..	..	*9	*11
Total input	*26	*21	*22	*21	*36	*34
Total production	8	7	8	5	9	9
Estimated efficiency (% of production to input)	32	34	34	24	24	26

Statistics on electricity

Lithuania

Item	2017	2018	2019	2020	2021	2022
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	4187	3511	3972	5518	5079	4783
Combustible fuels	1324	1089	1210	2550	2240	1845
Hydro	1181	960	948	1080	1094	1021
Nuclear	..	..	..	..	..	..
Other	1682	1462	1814	1887	1745	1918
Main activity	3361	2864	3151	4702	4382	4067
Combustible fuels	748	674	612	1941	1735	1192
Hydro	1181	960	948	1080	1094	1021
Nuclear	..	..	..	..	..	..
Other	1432	1231	1591	1681	1553	1854
Own use in electricity, CHP and heat plants	191	197	207	256	268	286
Net production	3996	3314	3765	5261	4810	4497
Imports	11926	12848	13268	12013	12479	12934
Exports	3249	3215	3924	4105	3435	4366
Losses	914	935	886	952	926	846
Consumption	11757	12010	12219	12216	12925	12216
Energy industries own use	1697	1611	1678	1861	1771	1553
By industry and construction	3635	3686	3794	3739	3928	3594
By transport	74	80	78	73	79	92
By households and other cons.	6350	6633	6670	6544	7147	6977
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	3326	3354	3378	3491	3709	4301
Combustible fuels	1832	1837	1839	1885	1881	1881
Hydro	877	877	877	877	877	877
Nuclear	..	..	..	..	..	..
Other	617	640	662	729	951	1543
Main activity	3046	3074	3096	3209	3428	4020
Combustible fuels	1577	1582	1582	1628	1625	1625
Hydro	877	877	877	877	877	877
Nuclear	..	..	..	..	..	..
Other	592	615	637	704	926	1518
Combustible fuel input	Terajoules					
Hard Coal	0	0	0	0	0	0
Peat	0	0	0	0	0	0
Biogas	1004	1209	1264	1236	1254	1291
Gas-diesel oil	0	0	0	0	0	30
Fuel oil	634	606	263	634	404	2141
Refinery gas	282	366	198	248	391	1109
Natural gas	11180	9045	8339	15591	13629	6068
Fuelwood	*7192	*7887	*7835	*8447	*8811	*8721
Municipal waste	2443	1678	1503	2612	4764	4619
Industrial waste	181	584	665	927	1196	1180
Others	0	0	0	0	0	0
Total input	22916	21375	20067	29695	30449	25159
Total production	4766	3921	4357	9181	8063	6640
Estimated efficiency (% of production to input)	21	18	22	31	26	26

Statistics on electricity

Luxembourg

Item	2017	2018	2019	2020	2021	2022
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	2235	2200	1908	2234	2211	2238
Combustible fuels	470	490	547	628	632	526
Hydro	1422	1337	949	1094	1085	1124
Nuclear	..	..	..	..	..	..
Other	343	373	412	512	495	588
Main activity	1957	1918	1623	1926	1899	1851
Combustible fuels	304	331	398	485	504	422
Hydro	1418	1332	944	1090	1080	1116
Nuclear	..	..	..	..	..	..
Other	235	255	281	351	314	312
Own use in electricity, CHP and heat plants	30	30	31	29	31	18
Net production	2205	2170	1877	2205	2180	2220
Imports	7567	7553	6818	6543	6758	7146
Exports	1389	1392	939	1079	1037	1639
Losses	156	155	156	146	154	149
Consumption	8227	8176	7600	7524	7747	7561
Energy industries own use	1834	1717	1203	1404	1354	1417
By industry and construction	3008	3175	3006	2850	2946	3106
By transport	142	151	157	149	166	188
By households and other cons.	3243	3133	3233	3121	3280	2849
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	1706	1712	1775	1808	1878	1957
Combustible fuels	127	128	149	138	134	145
Hydro	1331	1330	1330	1331	1331	1330
Nuclear	..	..	..	..	..	..
Other	248	254	296	339	414	482
Main activity	1520	1527	1560	1576	1555	1581
Combustible fuels	72	76	95	95	90	87
Hydro	1329	1329	1329	1329	1329	1329
Nuclear	..	..	..	..	..	..
Other	120	123	136	153	136	165
Combustible fuel input	Terajoules					
Biogas	447	485	483	456	524	511
Gas-diesel oil	8	4	5	4	1	1
Natural gas	3224	2769	2695	2642	2661	1998
Fuelwood	*1122	*1971	*3386	*5667	*6087	*5769
Municipal waste	1557	1552	1567	1441	1412	1380
Total input	6358	6780	8136	*10209	*10685	*9659
Total production	1692	1763	1971	2260	2274	1894
Estimated efficiency (% of production to input)	27	26	24	22	21	20