

Statistics on electricity

Gabon

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	2101	1998	2127	2338	2277	2614
Combustible fuels	1163	1202	1207	1383	1346	1555
Hydro	936	794	918	953	929	1057
Nuclear	..	..	..	..	..	..
Other	2	2	2	2	2	*2
Main activity	1891	1784	1907	2112	2039	2443
Combustible fuels	955	990	989	1159	1115	1392
Hydro	936	794	918	953	924	1052
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	74	99	95	102	102	27
Net production	2027	1899	2032	2236	2175	2587
Imports	184	388	337	344	346	349
Exports	..	..	..	..	..	..
Losses	454	452	476	518	321	288
Consumption	1757	1835	1893	2062	2199	2518
Energy industries own use	38	40	41	45	44	44
By industry and construction	466	487	502	547	648	652
By transport	7	7	7	8	8	8
By households and other cons.	1246	1301	1343	1462	1499	1814
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	514	509	511	523	533	751
Combustible fuels	343	338	340	352	359	418
Hydro	170	170	170	170	173	332
Nuclear	..	..	..	..	..	..
Other	*1	*1	*1	*1	*1	*1
Main activity	443	438	440	452	460	663
Combustible fuels	273	268	270	282	289	333
Hydro	170	170	170	170	171	330
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	3053	2580	2709	2666	2881	2881
Fuel oil	40	81	..	..	..	..
Natural gas	10970	12146	13264	15030	15253	15381
Fuelwood	*299	*301	*320	332	334	*336
Total input	14362	15108	16293	18028	18468	18598
Total production	4187	4327	4345	4979	4846	5599
Estimated efficiency (% of production to input)	29	29	27	28	26	30

Statistics on electricity

Gambia

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	255	258	286	302	317	*321
Combustible fuels	251	254	283	299	314	*318
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*3	*4	*4	*4	*4	*4
Main activity	220	222	250	265	280	*284
Combustible fuels	217	219	246	262	277	*280
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*3	*4	*4	*4	*4	*4
Own use in electricity, CHP and heat plants	*12	*11	*11	*11	*12	*13
Net production	243	247	275	291	305	*309
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*52	*52	*55	*58	*68	*69
Consumption	*191	*195	*220	*233	*237	*239
Energy industries own use	..	..	..	..	..	..
By industry and construction	*35	*35	*37	*39	*40	*41
By transport	..	..	..	..	..	..
By households and other cons.	*156	*160	*183	*193	*197	*199
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*95	117	*120	*121	*121	*126
Combustible fuels	*91	114	*116	*117	*118	*123
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	3	3	3	3	3	*3
Main activity	*61	83	*85	*86	*86	*90
Combustible fuels	*57	80	*81	*82	*82	*87
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	3	3	3	3	3	*3
Combustible fuel input	Terajoules					
Gas-diesel oil	*2137	*2146	*2417	*2507	*2593	*2627
Fuel oil	*929	*889	*889	*889	*929	*941
Total input	*3066	*3035	*3305	*3396	*3522	*3569
Total production	905	915	1018	1075	1129	*1144
Estimated efficiency (% of production to input)	30	30	31	32	32	32

Statistics on electricity

Georgia

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	10059	10371	10833	11574	11531	12149
Combustible fuels	1788	2036	2379	2236	2233	2115
Hydro	8271	8335	8454	9329	9210	9949
Nuclear	..	..	..	..	..	..
Other	..	..	..	9	88	84
Main activity	10059	10371	10833	11574	11531	12149
Combustible fuels	1788	2036	2379	2236	2233	2115
Hydro	8271	8335	8454	9329	9210	9949
Nuclear	..	..	..	..	..	..
Other	..	..	..	9	88	84
Own use in electricity, CHP and heat plants	199	217	240	209	215	215
Net production	9860	10154	10592	11365	11316	11934
Imports	484	853	699	1329	1751	1522
Exports	450	604	660	1409	940	602
Losses	805	600	711	784	904	886
Consumption	9089	9801	9921	10501	11224	11950
Energy industries own use	15	17	14	14	15	13
By industry and construction	2327	2816	2752	2902	3295	3306
By transport	282	267	294	301	337	366
By households and other cons.	6465	6701	6861	7284	7578	8266
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	3471	2995	2993	3299	3592	3591
Combustible fuels	680	615	615	849	849	876
Hydro	2791	2380	2378	2430	2723	2695
Nuclear	..	..	..	..	..	..
Other	..	..	..	20	20	20
Main activity	3471	2995	2993	3299	3592	3591
Combustible fuels	680	615	615	849	849	876
Hydro	2791	2380	2378	2430	2723	2695
Nuclear	..	..	..	..	..	..
Other	..	..	..	20	20	20
Combustible fuel input	Terajoules					
Brown Coal	..	..	..	451	634	359
Gas-diesel oil	0	0	0	0	..	..
Natural gas	18869	21963	24976	20080	20408	19304
Total input	18869	21963	24976	20530	21042	19662
Total production	6437	7330	8563	8048	8039	7614
Estimated efficiency (% of production to input)	34	33	34	39	38	39

Statistics on electricity

Germany

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	638701	627806	648310	650450	653723	643159
Combustible fuels	427037	408559	410318	419596	404286	385531
Hydro	28782	25444	24898	26135	26155	24143
Nuclear	97290	97129	91786	84634	76324	76005
Other	85592	96674	121308	120085	146958	157480
Main activity	593810	582357	598096	595587	596946	588202
Combustible fuels	383572	364685	361485	366199	348797	331746
Hydro	28600	25282	24741	25959	25983	24056
Nuclear	97290	97129	91786	84634	76324	76005
Other	84348	95261	120084	118795	145842	156395
Own use in electricity, CHP and heat plants	37775	36933	38018	36717	34670	33968
Net production	600926	590873	610292	613733	619053	609191
Imports	39222	40435	37008	28338	27842	31727
Exports	71415	74320	85290	78863	80301	80463
Losses	24474	24159	25605	25759	27024	26661
Consumption	544259	532829	536405	537449	539570	533794
Energy industries own use	21949	21072	21457	20494	20617	20860
By industry and construction	227850	232862	228825	230574	232227	230527
By transport	11925	11523	11148	11739	11957	12087
By households and other cons.	282535	267372	274975	274642	274769	270320
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	185306	197504	203255	208215	215324	229195
Combustible fuels	91368	97203	96967	95716	95134	103030
Hydro	11239	11234	11255	11207	11120	10940
Nuclear	12068	12074	10799	10799	10799	10799
Other	70631	76993	84234	90493	98271	104426
Main activity	175687	187697	192537	197627	203745	217207
Combustible fuels	82072	87747	86552	85409	83824	91301
Hydro	11197	11190	11212	11164	11078	10908
Nuclear	12068	12074	10799	10799	10799	10799
Other	70350	76686	83974	90255	98044	104199
Combustible fuel input	Terajoules					
Hard Coal	1254261	1162815	1127187	1090750	875477	801479
Brown Coal	1509182	1468554	1460006	1411719	1394434	1354287
Lignite briquettes	20807	18068	19628	18666	15754	17253
Biogas	212161	224008	235765	238590	238280	239453
Other oil products	28462	22110	26452	21507	21467	18974
Natural gas	614480	554407	555457	707551	749713	720855
Coke-oven gas	19258	17522	22759	24647	27371	27192
Blast furnace gas	73193	69845	69659	73166	71768	66613
Fuelwood	*121028	*125897	*127292	*121485	*119451	*123695
Municipal waste	177360	189580	179782	194092	196030	186036
Others	60251	61319	60340	63641	63472	51099
Total input	4090442	3914125	3884326	3965815	3773217	3606936
Total production	1537333	1470812	1477145	1510546	1455430	1387912
Estimated efficiency (% of production to input)	38	38	38	38	39	38

Statistics on electricity
Ghana

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	13050	13143	11672	13203	14248	16425
Combustible fuels	4814	4752	5824	7615	8604	10375
Hydro	8233	8387	5845	5561	5616	6017
Nuclear	..	..	..	..	..	..
Other	3	4	3	27	28	33
Main activity	12870	12963	11492	13023	14068	16245
Combustible fuels	4634	4572	5644	7435	8424	10195
Hydro	8233	8387	5845	5561	5616	6017
Nuclear	..	..	..	..	..	..
Other	3	4	3	27	28	33
Own use in electricity, CHP and heat plants	67	58	38	71	251	229
Net production	12983	13085	11634	13132	13997	16196
Imports	27	51	223	745	320	140
Exports	530	522	587	187	268	740
Losses	1661	1739	1406	1845	1920	2403
Consumption	10636	10694	9778	11523	12120	13185
Energy industries own use	..	..	..	..	..	..
By industry and construction	3284	3262	2659	3088	3078	4062
By transport	4	4	9	6	6	8
By households and other cons.	7348	7428	7110	8429	9036	9115
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	3041	3041	3866	4005	4609	5099
Combustible fuels	1458	1458	2263	2402	3006	3476
Hydro	1580	1580	1580	1580	1580	1580
Nuclear	..	..	..	..	..	..
Other	3	3	23	23	23	43
Main activity	2831	2831	3656	3795	4399	4889
Combustible fuels	1248	1248	2053	2192	2796	3266
Hydro	1580	1580	1580	1580	1580	1580
Nuclear	..	..	..	..	..	..
Other	3	3	23	23	23	43
Combustible fuel input	Terajoules					
Crude oil	37393	25211	12394	25380	10448	42
Gas-diesel oil	228	65	43	1871	1484	473
Fuel oil	..	..	..	14920	4775	4173
Liquefied petroleum gas	..	..	..	..	3888	5132
Natural gas	11815	25805	46315	21658	43517	55852
Total input	49437	51080	58752	63828	64112	65673
Total production	17330	17107	20966	27414	30974	37350
Estimated efficiency (% of production to input)	35	33	36	43	48	57

Statistics on electricity

Gibraltar

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	189	198	224	214	180	215
Combustible fuels	189	198	224	214	180	215
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	0	0	0
Main activity	189	198	224	214	180	215
Combustible fuels	189	198	224	214	180	215
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	0	0	0
Own use in electricity, CHP and heat plants	4	4	4	4	4	4
Net production	185	194	220	210	176	211
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	6	6	7	6	6	7
Consumption	179	188	213	204	171	204
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	179	188	213	204	171	204
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
Main activity	43	43	*43	*43	*43	*43
Combustible fuels	43	43	*43	*43	*43	*43
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	0	0	0
Combustible fuel input	Terajoules					
Fuel oil	1858	1939	2182	2060	1737	2101
Total input	1858	1939	2182	2060	1737	2101
Total production	680	713	806	770	648	774
Estimated efficiency (% of production to input)	37	37	37	37	37	37

Statistics on electricity

Greece

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	57152	50474	51874	54439	55266	53263
Combustible fuels	42981	38386	37203	39798	41698	37412
Hydro	6384	4607	6150	5565	4040	5760
Nuclear	..	..	..	..	..	..
Other	7787	7481	8521	9076	9528	10091
Main activity	55267	48682	49534	52492	53333	51048
Combustible fuels	41096	36594	34863	37851	39765	35197
Hydro	6384	4607	6150	5565	4040	5760
Nuclear	..	..	..	..	..	..
Other	7787	7481	8521	9076	9528	10091
Own use in electricity, CHP and heat plants	4592	3772	4068	4212	4677	3179
Net production	52560	46702	47806	50227	50589	50084
Imports	5788	9461	11081	9833	8696	8550
Exports	3901	642	1473	1037	2459	2272
Losses	3895	4149	4895	3957	1102	5242
Consumption	50552	51372	52519	55066	55726	51120
Energy industries own use	1761	1872	1732	1703	1755	1650
By industry and construction	11366	12869	12668	11285	12286	12413
By transport	267	343	388	186	188	202
By households and other cons.	37158	36288	37731	41892	41497	36855
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	18855	18895	18942	19165	19427	19582
Combustible fuels	11229	10932	10855	10799	10805	10644
Hydro	3238	3389	3392	3392	3392	3409
Nuclear	..	..	..	..	..	..
Other	4388	4574	4695	4974	5230	5529
Main activity	18328	18390	18381	18597	18856	19014
Combustible fuels	10702	10427	10294	10231	10234	10076
Hydro	3238	3389	3392	3392	3392	3409
Nuclear	..	..	..	..	..	..
Other	4388	4574	4695	4974	5230	5529
Combustible fuel input	Terajoules					
Hard Coal	27	..	..	..	..	..
Brown Coal	283513	271373	226190	174176	192614	185399
Biogas	2975	2961	3138	3623	3711	3791
Gas-diesel oil	10019	10320	11137	11911	13932	11782
Fuel oil	34623	35754	35592	25816	36683	36360
Liquefied petroleum gas	189	142	0	2034	189	..
Refinery gas	9455	11435	16781	14850	6633	7128
Natural gas	91617	59593	61257	103888	132678	125276
Fuelwood	..	..	*19	*138	*145	*205
Industrial waste	883	868	1030	1364	0	1213
Total input	433301	392445	355144	337800	386586	371154
Total production	154732	138190	133931	143273	150113	134683
Estimated efficiency (% of production to input)	36	35	38	42	39	36

Statistics on electricity
Greenland

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	473	488	520	490	518	*530
Combustible fuels	95	92	97	89	130	*130
Hydro	378	396	423	401	388	*400
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	473	488	520	490	518	*530
Combustible fuels	95	92	97	89	130	*130
Hydro	378	396	423	401	388	*400
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	17	16	17	15	16	*15
Net production	456	472	504	476	502	*515
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*10	*12	*12	*12	13	*10
Consumption	309	319	331	320	328	*334
Energy industries own use	..	..	..	..	..	..
By industry and construction	44	45	47	51	52	*53
By transport	..	..	..	..	..	..
By households and other cons.	265	274	284	269	275	*281
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	1103	1138	1321	1074	1107	*1118
Municipal waste	117	92	98	94	94	*94
Total input	1220	1230	1419	1168	1201	*1212
Total production	343	330	350	322	467	*468
Estimated efficiency (% of production to input)	28	27	25	28	39	39

Statistics on electricity

Grenada

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	197	201	207	218	227	*231
Combustible fuels	197	200	207	218	227	*231
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Main activity	197	200	206	217	225	*228
Combustible fuels	197	200	206	217	225	*228
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Own use in electricity, CHP and heat plants	6	6	6	12	12	6
Net production	191	195	201	207	215	*224
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	15	15	17	18	19	16
Consumption	176	179	184	189	196	208
Energy industries own use	..	..	..	..	..	..
By industry and construction	6	6	6	5	6	6
By transport	..	..	..	..	..	..
By households and other cons.	170	173	178	184	190	202
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	49	49	49	49	50	53
Combustible fuels	48	48	48	48	50	52
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Main activity	49	48	48	48	50	52
Combustible fuels	48	48	48	48	50	52
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Combustible fuel input	Terajoules					
Gas-diesel oil	2558	1642	1823	1944	2016	2173
Total input	2558	1642	1823	1944	2016	2173
Total production	708	721	745	786	815	*831
Estimated efficiency (% of production to input)	28	44	41	40	40	38

Statistics on electricity
Guam

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	1736	*1703	1702	1720	1760	1715
Combustible fuels	1736	*1703	1681	1668	1708	1663
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	22	52	52	52
Main activity	1736	*1703	1702	1720	1760	1715
Combustible fuels	1736	*1703	1681	1668	1708	1663
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	22	52	52	52
Own use in electricity, CHP and heat plants	86	*86	83	65	66	63
Net production	1650	*1618	1619	1655	1694	1652
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	101	*84	79	81	84	85
Consumption	1565	1533	1540	1574	1610	1567
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	1565	1533	1540	1574	1610	1567
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	552	552	498	498	446	446
Combustible fuels	552	552	472	472	420	420
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	26	26	26	26
Main activity	552	552	498	498	446	446
Combustible fuels	552	552	472	472	420	420
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	26	26	26	26
Combustible fuel input	Terajoules					
Total input	..	..	..	..	..	..
Total production	6251	*6132	6050	6004	6148	5985
Estimated efficiency (% of production to input)	..	..	..	..	..	..

Statistics on electricity

Guatemala

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	10125	10638	11157	11789	12272	13568
Combustible fuels	5254	5531	6769	7122	5816	7572
Hydro	4659	4853	3880	3971	5787	5218
Nuclear	..	..	..	..	..	..
Other	212	254	508	696	669	778
Main activity	9270	9782	10302	10878	11490	12522
Combustible fuels	4427	4703	5942	6231	5055	6554
Hydro	4631	4825	3852	3951	5765	5191
Nuclear	..	..	..	..	..	..
Other	212	254	508	696	669	778
Own use in electricity, CHP and heat plants	754	855	747	868	886	775
Net production	9371	9783	10410	10921	11386	12793
Imports	267	708	585	747	891	825
Exports	588	1207	1087	1335	1858	2500
Losses	314	330	333	383	373	903
Consumption	8635	8953	9466	9907	10115	10220
Energy industries own use	..	..	..	..	..	..
By industry and construction	3093	3329	3547	3621	3707	3695
By transport	..	..	..	..	..	..
By households and other cons.	5542	5624	5919	6286	6408	6525
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	2525	2626	3139	3442	3356	3499
Combustible fuels	1537	1624	1905	1942	1845	1770
Hydro	955	964	1039	1306	1311	1492
Nuclear	..	..	..	..	..	..
Other	34	39	194	194	200	237
Main activity	1926	2152	2449	2737	2677	2846
Combustible fuels	942	1154	1219	1241	1170	1122
Hydro	950	959	1035	1302	1307	1487
Nuclear	..	..	..	..	..	..
Other	34	39	194	194	200	237
Combustible fuel input	Terajoules					
Hard Coal	28600	30931	44340	52079	43218	51029
Biogas	..	..	212	199	329	459
Gas-diesel oil	96	69	137	80	114	62
Fuel oil	17856	11165	12644	8707	4074	3423
Petroleum coke	..	..	..	..	..	1751
Fuelwood	..	..	37	12	5	2
Bagasse	52353	56283	55979	85152	53779	51340
Total input	98906	98448	113349	146228	101519	108066
Total production	18914	19911	24370	25638	20939	27259
Estimated efficiency (% of production to input)	19	20	21	18	21	25

Statistics on electricity

Guernsey

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	289	227	157	87	77	54
Combustible fuels	289	227	157	87	77	54
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	289	227	157	87	77	54
Combustible fuels	289	227	157	87	77	54
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	289	227	157	87	77	54
Imports	111	156	218	285	294	319
Exports	..	..	..	..	..	..
Losses	36	19	28	23	17	25
Consumption	365	365	347	349	354	348
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	365	365	347	349	354	348
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*115	*115	*115	*115	*132	*132
Combustible fuels	*115	*115	*115	*115	*132	*132
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	0
Main activity	*115	*115	*115	*115	*132	*132
Combustible fuels	*115	*115	*115	*115	*132	*132
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	0
Combustible fuel input	Terajoules					
Gas-diesel oil	*49	*49	*49	*43	*43	*43
Fuel oil	*2424	*1903	*1329	*727	*646	*444
Total input	*2473	*1951	*1378	*770	*689	*487
Total production	1040	818	565	315	277	194
Estimated efficiency (% of production to input)	42	42	41	41	40	40

Statistics on electricity

Guinea

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	654	713	1118	1596	1753	1914
Combustible fuels	172	287	238	512	541	732
Hydro	482	426	881	1084	1212	1182
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	624	552	945	1117	1288	1295
Combustible fuels	141	126	64	34	76	114
Hydro	482	426	881	1084	1212	1182
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	10	14	22	32	35	38
Net production	644	698	1096	1564	1718	1876
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*103	*107	*168	*239	*263	*287
Consumption	*541	*591	*928	*1324	*1455	1588
Energy industries own use	..	..	..	..	..	..
By industry and construction	*197	*239	*432	*617	*620	*676
By transport	..	..	..	..	..	..
By households and other cons.	*344	*352	*496	*707	*835	912
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	390	279	596	593	640	610
Combustible fuels	263	153	228	226	*273	*243
Hydro	127	125	367	367	367	367
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	338	227	496	444	460	462
Combustible fuels	211	101	128	77	*93	*95
Hydro	127	125	367	367	367	367
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	*860	*1032	*538	*237	*516	*731
Fuel oil	*1010	*2060	*1899	*5010	*5131	*6626
Total input	*1870	*3092	*2436	*5246	*5647	*7357
Total production	619	1032	855	1842	1947	2636
Estimated efficiency (% of production to input)	33	33	35	35	34	36

Statistics on electricity
Guinea-Bissau

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*23	*28	*58	*84	*86	*87
Combustible fuels	*23	*28	*58	*79	*79	*80
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	*6	*7	*7
Main activity	*18	*22	*45	*66	*67	*68
Combustible fuels	*18	*22	*45	*60	*60	*61
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	*6	*7	*7
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	*23	*28	*58	*84	*86	*87
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	..	..	..	..	..	..
Consumption	*23	*28	*58	*84	*86	*87
Energy industries own use	..	..	..	..	..	..
By industry and construction	*6	*8	*15	*22	*23	*23
By transport	..	..	..	..	..	..
By households and other cons.	*17	*21	*43	*62	*63	*64
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*20	*24	*23	*31	*31	*32
Combustible fuels	*20	*24	*23	*27	*26	*26
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	*5	*5	*5
Main activity	*18	*22	*19	*26	*26	*26
Combustible fuels	*18	*22	*19	*21	*21	*21
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	*5	*5	*5
Combustible fuel input	Terajoules					
Gas-diesel oil	*245	*305	*576	*800	*796	*843
Total input	*245	*305	*576	*800	*796	*843
Total production	*83	*102	*209	*283	*284	*287
Estimated efficiency (% of production to input)	34	34	36	35	36	34

Statistics on electricity

Guyana

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	962	979	1004	1081	1105	1136
Combustible fuels	960	977	999	1076	1098	1125
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	2	5	5	7	11
Main activity	878	901	941	999	1022	1054
Combustible fuels	877	899	935	994	1015	1043
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	2	5	5	7	11
Own use in electricity, CHP and heat plants	28	29	6	31	12	33
Net production	933	950	998	1050	1092	1103
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	230	215	219	224	233	235
Consumption	704	735	789	826	859	868
Energy industries own use	..	..	..	..	..	..
By industry and construction	235	306	307	321	334	337
By transport	..	..	..	..	..	..
By households and other cons.	468	430	483	505	526	531
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	337	359	369	360	348	348
Combustible fuels	336	358	366	356	343	340
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	1	3	3	5	8
Main activity	283	305	315	306	298	297
Combustible fuels	282	304	312	302	293	289
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	1	3	3	5	8
Combustible fuel input	Terajoules					
Gas-diesel oil	3106	2819	2532	2635	3096	3335
Fuel oil	7183	7137	7502	8118	7908	8356
Bagasse	512	480	621	448	327	231
Total input	10802	10436	10655	11200	11331	11921
Total production	3457	3518	3595	3874	3951	4049
Estimated efficiency (% of production to input)	32	34	34	35	35	34

Statistics on electricity

Haiti

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	1055	1033	1038	1084	1056	1046
Combustible fuels	914	943	955	1013	928	848
Hydro	141	90	83	71	127	197
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	1	1
Main activity	990	983	994	1047	1033	1025
Combustible fuels	849	893	911	976	905	827
Hydro	141	90	83	71	127	197
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	1	1
Own use in electricity, CHP and heat plants	19	11	17	17	17	18
Net production	1036	1022	1021	1067	1039	1028
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	630	613	608	617	624	634
Consumption	456	410	411	417	422	429
Energy industries own use	..	..	..	..	..	..
By industry and construction	171	184	184	187	189	192
By transport	..	..	..	..	..	..
By households and other cons.	285	226	227	230	233	237
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*340	*321	*333	*336	*344	*352
Combustible fuels	*262	*259	*271	*274	*282	*290
Hydro	77	61	61	61	61	61
Nuclear	..	..	..	..	..	..
Other	1	1	1	1	1	1
Main activity	*246	*228	*237	*240	*245	*250
Combustible fuels	*168	*166	*175	*178	*183	*188
Hydro	77	61	61	61	61	61
Nuclear	..	..	..	..	..	..
Other	1	1	1	1	1	1
Combustible fuel input	Terajoules					
Gas-diesel oil	5633	5418	5461	5289	3870	3483
Fuel oil	6343	6908	6908	7797	8282	7716
Total input	11976	12326	12369	13086	12152	11199
Total production	3290	3395	3438	3647	3341	3053
Estimated efficiency (% of production to input)	27	28	28	28	27	27

Statistics on electricity

Honduras

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	8274	8421	9167	9150	9251	9526
Combustible fuels	5225	5421	5745	5345	4568	4045
Hydro	2739	2602	2340	2350	3088	3262
Nuclear	..	..	..	..	..	..
Other	310	398	1082	1455	1595	2219
Main activity	7549	7650	8284	8603	8211	8125
Combustible fuels	4500	4650	4862	4798	3528	2644
Hydro	2739	2602	2340	2350	3088	3262
Nuclear	..	..	..	..	..	..
Other	310	398	1082	1455	1595	2219
Own use in electricity, CHP and heat plants	13	14	15	17	12	20
Net production	8261	8407	9152	9133	9239	9506
Imports	115	827	679	607	329	368
Exports	8	505	536	553	25	8
Losses	2672	2885	3004	3143	2995	2970
Consumption	5696	5844	6291	6044	6641	6886
Energy industries own use	..	..	..	..	..	..
By industry and construction	1683	1837	2112	1681	1849	2126
By transport	..	..	..	..	..	..
By households and other cons.	4013	4007	4179	4363	4792	4760
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	1743	1897	2250	2439	2562	2637
Combustible fuels	1083	1121	1078	1185	1185	1171
Hydro	558	624	632	670	666	696
Nuclear	..	..	..	..	..	..
Other	102	152	540	584	711	771
Main activity	1619	1755	2081	2229	2352	2428
Combustible fuels	959	979	909	975	975	961
Hydro	558	624	632	670	666	696
Nuclear	..	..	..	..	..	..
Other	102	152	540	584	711	771
Combustible fuel input	Terajoules					
Hard Coal	1238	1445	1058	1496	26	..
Gas-diesel oil	2107	1161	1591	1204	344	1290
Fuel oil	35269	38501	41289	33734	25169	25331
Liquefied petroleum gas	..	..	..	..	..	899
Petroleum coke	..	..	..	..	6273	9360
Fuelwood	*10872	*7002	*10378	*16705	*18075	*16959
Total input	49487	48109	54316	53139	49886	53839
Total production	18810	19516	20682	19242	16445	14562
Estimated efficiency (% of production to input)	38	41	38	36	33	27

Statistics on electricity
Hungary

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	30294	29403	30360	31902	32885	32004
Combustible fuels	13936	12674	13395	14583	15377	14671
Hydro	213	301	234	259	220	222
Nuclear	15370	15649	15834	16054	16098	15733
Other	775	779	897	1006	1190	1378
Main activity	29679	28737	29554	30893	31616	30362
Combustible fuels	13378	12130	12792	13863	14502	13722
Hydro	213	301	234	259	220	222
Nuclear	15370	15649	15834	16054	16098	15733
Other	718	657	694	717	796	685
Own use in electricity, CHP and heat plants	2263	2262	2210	2354	2186	2172
Net production	28031	27141	28150	29548	30699	29832
Imports	16635	19079	19935	17951	19803	18613
Exports	4758	5689	6249	5240	6925	4265
Losses	3663	3631	3695	3566	3456	3357
Consumption	36241	35899	37439	38262	39647	40595
Energy industries own use	1368	1162	1148	1110	1154	1169
By industry and construction	14840	14696	15403	16002	16735	17257
By transport	1227	1156	1171	1177	1208	1204
By households and other cons.	18806	18885	19717	19973	20550	20965
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	8418	8667	8634	8758	8860	9249
Combustible fuels	5987	6179	6062	6100	6090	6083
Hydro	57	57	57	57	57	57
Nuclear	2000	2000	2000	2000	2000	2013
Other	374	431	515	601	713	1096
Main activity	8217	8393	8258	8290	8268	8350
Combustible fuels	5831	6007	5856	5878	5837	5837
Hydro	57	57	57	57	57	57
Nuclear	2000	2000	2000	2000	2000	2013
Other	329	329	345	355	374	443
Combustible fuel input	Terajoules					
Hard Coal	0	29	0	2989	1001	869
Brown Coal	68609	64078	63146	60077	53838	54874
Biogas	2269	2113	2202	2529	2612	2516
Fuel oil	566	525	444	404	566	606
Natural gas	57584	44671	49177	59535	69551	64381
Coke-oven gas	1596	1786	1284	2021	1722	2055
Blast furnace gas	1246	2141	2894	2130	2895	3056
Fuelwood	*17663	*21531	*21071	*19129	*20873	*21957
Municipal waste	3923	4096	4827	5194	4314	4398
Industrial waste	296	398	807	1782	938	1222
Others	262	305	354	305	424	351
Total input	154014	141674	146207	156094	158734	156285
Total production	50170	45626	48222	52499	55357	52816
Estimated efficiency (% of production to input)	33	32	33	34	35	34

Statistics on electricity

Iceland

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	18116	18123	18799	18550	19239	19830
Combustible fuels	5	3	4	3	2	2
Hydro	12863	12873	13781	13470	14059	13814
Nuclear	..	..	..	..	..	..
Other	5248	5247	5014	5077	5178	6014
Main activity	18116	18123	18799	18550	19239	19830
Combustible fuels	5	3	4	3	2	2
Hydro	12863	12873	13781	13470	14059	13814
Nuclear	..	..	..	..	..	..
Other	5248	5247	5014	5077	5178	6014
Own use in electricity, CHP and heat plants	116	320	241	378	392	397
Net production	18000	17803	18558	18172	18847	19433
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	374	498	576	489	591	554
Consumption	16989	17009	17665	17479	18062	18664
Energy industries own use	166	179	195	176	169	177
By industry and construction	14678	14682	15129	14840	15389	15524
By transport	2	4	19	66	76	89
By households and other cons.	2143	2144	2322	2397	2428	2874
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	2765	2766	2772	2772	2823	2973
Combustible fuels	114	114	117	117	116	116
Hydro	1984	1984	1987	1987	1995	2099
Nuclear	..	..	..	..	..	..
Other	667	668	668	668	712	758
Main activity	2765	2766	2772	2772	2823	2973
Combustible fuels	114	114	117	117	116	116
Hydro	1984	1984	1987	1987	1995	2099
Nuclear	..	..	..	..	..	..
Other	667	668	668	668	712	758
Combustible fuel input	Terajoules					
Gas-diesel oil	86	86	86	86	43	43
Total input	86	86	86	86	43	43
Total production	18	11	14	11	7	7
Estimated efficiency (% of production to input)	21	13	17	13	17	17

Statistics on electricity

India

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	1193480	1308873	1354382	1432358	1490293	1521785
Combustible fuels	980599	1111341	1158338	1188280	1217575	1244959
Hydro	141637	129353	121546	122507	126271	134991
Nuclear	34228	36102	37414	37916	38346	37813
Other	37016	32077	37084	83655	108101	*104022
Main activity	1002743	1146816	1135434	1233926	1305954	1346325
Combustible fuels	792477	951504	943013	993516	1037184	1072314
Hydro	141508	129244	121377	122378	126123	134894
Nuclear	34228	36102	37414	37916	38346	37813
Other	34530	29966	33630	80116	104301	*101304
Own use in electricity, CHP and heat plants	81588	90857	79302	95931	100862	108124
Net production	1111892	1218016	1275080	1336427	1389431	1413661
Imports	5598	4998	5244	5617	5611	4657
Exports	..	4433	5150	6710	7203	8494
Losses	220257	228325	240864	248834	259827	269165
Consumption	897233	955927	1034374	1071213	1135284	1163990
Energy industries own use	7178	*7600	*5294	*4945	*4956	*5679
By industry and construction	374278	*418346	*451412	426665	*468909	484843
By transport	15447	16177	16594	17217	14356	16823
By households and other cons.	500330	513804	561074	622386	647063	656645
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*294879	*316382	287134	374789	400701	411773
Combustible fuels	*226449	*241396	210430	267129	276294	282350
Hydro	*40067	*40064	40337	44591	45358	45447
Nuclear	4780	5780	5780	6780	6780	6780
Other	*23583	29142	*30587	56289	72269	77196
Main activity	*256786	*271722	205114	322506	343824	352179
Combustible fuels	*190000	*198745	130475	218330	222907	226279
Hydro	*40000	*40000	40272	44532	45293	45399
Nuclear	4780	5780	5780	6780	6780	6780
Other	*22006	27197	*28587	52864	68844	73721
Combustible fuel input	Terajoules					
Hard Coal	8249905	8625865	9353251	9407701	10218153	*10158212
Brown Coal	*346863	376809	360925	434150	368083	361622
Gas-diesel oil	290293	*281048	9632	16426	15222	21457
Fuel oil	34906	84234	19432	15231	12362	14059
Liquefied petroleum gas	142	142	142	95	..	95
Naphtha	9568	8856	2225	2670	2982	223
Natural gas	642401	418305	*634158	654623	632575	468447
Coke-oven gas	25477	*29968	*30881	*33073	*36321	*38643
Fuelwood	*275463	*222700	*225409	*749011	*783371	*790000
Vegetal waste	*225681	*327716	*349703	*231629	*242255	*236504
Total input	10100698	10375642	10985758	11544609	12311325	*12089261
Total production	3530156	4000828	4170017	4277808	4383270	4481852
Estimated efficiency (% of production to input)	35	39	38	37	36	37

Statistics on electricity

Indonesia

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	222017	234549	267287	233367	*283647	293203
Combustible fuels	192591	199993	240698	201209	*251766	260211
Hydro	15710	18800	17595	21475	18632	19774
Nuclear	..	..	..	..	..	..
Other	13717	15756	8995	10683	13249	13218
Main activity	169254	175297	157027	166458	*224746	276881
Combustible fuels	146602	150478	142227	148606	*207769	243889
Hydro	13014	14816	10005	13885	12425	19774
Nuclear	..	..	..	..	..	..
Other	9638	10003	4796	3967	4552	13218
Own use in electricity, CHP and heat plants	10842	10012	12838	9912	*14068	19410
Net production	211175	224537	254449	223455	*269579	273793
Imports	3	9	13	1	1120	..
Exports	..	..	..	..	..	..
Losses	20701	22006	22057	22706	24887	25093
Consumption	196967	198355	212767	215781	244637	251796
Energy industries own use	..	..	..	..	..	..
By industry and construction	72153	65909	72541	68145	93465	92968
By transport	129	155	257	..	240	266
By households and other cons.	124685	132291	139969	147636	150932	158562
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	56315	61689	74448	59305	*60980	64265
Combustible fuels	48875	53692	65967	52622	*53517	56383
Hydro	5191	5655	6186	4868	*5190	5741
Nuclear	..	..	..	..	..	..
Other	2249	2342	2295	*1815	*2273	2141
Main activity	46427	51651	55394	39980	*41099	43241
Combustible fuels	40441	45258	48967	35622	*36228	37520
Hydro	4491	4805	4886	3568	*3804	3582
Nuclear	..	..	..	..	..	..
Other	1495	1588	1541	790	*1067	2139
Combustible fuel input	Terajoules					
Hard Coal	1562018	1711643	1850002	1854221	2013593	2393869
Motor gasoline	..	..	7664	7752	6867	8284
Gas-diesel oil	258129	253528	155316	130333	97653	123109
Fuel oil	44521	24725	20200	21129	16483	22180
Natural gas	533975	509724	777817	452991	559508	465092
Fuelwood	2592	3690	8298	10512	0	..
Charcoal	2183	*266	266	*266	*266	..
Biodiesel	..	*6698	*5814	*10378	*6734	..
Total input	2403418	2510273	2825377	2487582	2701103	3012533
Total production	693326	719976	866513	724352	*906357	936761
Estimated efficiency (% of production to input)	29	29	31	29	34	31

Statistics on electricity
Iran (Islamic Rep. of)

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	262434	274437	280635	289116	307992	307968
Combustible fuels	242909	255870	263393	265799	285012	284508
Hydro	14582	13862	14090	16421	15051	15051
Nuclear	4546	4472	2914	6620	7514	7514
Other	397	233	238	276	415	895
Main activity	255885	268167	274195	282634	300087	300063
Combustible fuels	236360	249600	256953	259317	277107	276603
Hydro	14582	13862	14090	16421	15051	15051
Nuclear	4546	4472	2914	6620	7514	7514
Other	397	233	238	276	415	895
Own use in electricity, CHP and heat plants	9137	8717	8132	8205	8833	11639
Net production	253297	265720	272503	280911	299159	296329
Imports	3707	3772	4148	4221	3852	2587
Exports	11586	9660	6822	6688	8172	6295
Losses	38049	34610	33818	33513	33722	32853
Consumption	208168	224136	235555	243468	254942	262929
Energy industries own use	2705	2797	2915	3016	3225	3176
By industry and construction	72852	75689	77186	80860	80749	88541
By transport	286	363	549	436	477	477
By households and other cons.	132325	145287	154905	159156	170491	170735
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	70236	73148	74185	74106	*76569	*78794
Combustible fuels	58833	61174	61632	61262	*63145	*65241
Hydro	10266	10789	11354	11578	11949	11953
Nuclear	1020	1020	1020	1020	1020	1020
Other	117	166	179	246	455	580
Main activity	64655	67568	68604	68525	*70816	*72889
Combustible fuels	53252	55593	56051	55681	*57392	*59336
Hydro	10266	10789	11354	11578	11949	11953
Nuclear	1020	1020	1020	1020	1020	1020
Other	117	166	179	246	455	580
Combustible fuel input	Terajoules					
Biogas	127	127	127	282	288	288
Gas-diesel oil	290783	332024	227649	219566	181176	216419
Fuel oil	585589	394140	266494	171999	141457	131664
Other kerosene	..	..	..	..	175	175
Natural gas	1430042	1957762	2279763	2431484	2730586	2650863
Coke-oven gas	35	186	88	169	2181	2518
Blast furnace gas	9088	10284	9064	9474	7739	8191
Total input	2315664	2694523	2783185	2832973	3063602	3010118
Total production	874472	921132	948215	956876	1026043	1024229
Estimated efficiency (% of production to input)	38	34	34	34	33	34

Statistics on electricity

Iraq

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	58468	67825	*68745	80087	83947	82507
Combustible fuels	53665	64837	*66116	76659	81714	80312
Hydro	4757	2931	*2572	3371	2176	1818
Nuclear	..	..	..	..	..	..
Other	46	57	57	57	57	377
Main activity	58422	67768	*68688	80030	83890	82130
Combustible fuels	53665	64837	*66116	76659	81714	80312
Hydro	4757	2931	*2572	3371	2176	1818
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	2356	1770	*977	2080	3947	2076
Net production	56112	66055	*67768	78007	80000	80431
Imports	12202	12251	13104	11965	11787	21793
Exports	..	..	..	..	..	..
Losses	23285	34312	31967	48958	52767	55472
Consumption	45042	43993	42035	38733	38377	39594
Energy industries own use	..	..	..	..	..	..
By industry and construction	9867	10071	*8665	5180	5160	4784
By transport	..	..	..	..	..	..
By households and other cons.	35175	33922	33370	33553	33217	34810
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	27140	25626	31148	32214	26133	27412
Combustible fuels	24597	23076	28598	29664	24300	25400
Hydro	2513	2513	2513	2513	1796	1796
Nuclear	..	..	..	..	..	..
Other	30	37	37	37	37	216
Main activity	27110	25589	31111	32177	26096	27196
Combustible fuels	24597	23076	28598	29664	24300	25400
Hydro	2513	2513	2513	2513	1796	1796
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Crude oil	191788	283114	348044	380489	338781	345929
Gas-diesel oil	333508	426345	359738	360340	360684	270814
Fuel oil	289506	229674	201071	233795	121523	217958
Naphtha	0	0	0	..	..	..
Natural gas	152218	183234	207313	225878	353870	460255
Total input	967021	1122367	1116166	1200501	1174858	1294956
Total production	193194	233413	*238018	275972	294170	289123
Estimated efficiency (% of production to input)	20	21	21	23	25	22

Statistics on electricity

Ireland

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	25933	26110	28420	30539	30898	31118
Combustible fuels	20435	19958	20716	23385	22522	21546
Hydro	944	988	1095	973	895	932
Nuclear	..	..	..	..	..	..
Other	4554	5164	6609	6181	7481	8640
Main activity	23864	24014	26227	28308	28673	28925
Combustible fuels	18378	17886	18559	21186	20333	19393
Hydro	944	988	1095	973	895	932
Nuclear	..	..	..	..	..	..
Other	4542	5140	6573	6149	7445	8600
Own use in electricity, CHP and heat plants	818	798	802	849	811	765
Net production	25115	25312	27618	29690	30087	30353
Imports	2625	2853	1752	871	1116	1622
Exports	383	704	1079	1583	1795	1649
Losses	2017	2028	2084	2135	2176	2236
Consumption	24991	24815	25729	26221	26368	27774
Energy industries own use	789	678	656	647	517	629
By industry and construction	9287	9396	9844	10143	10255	10890
By transport	43	40	44	49	52	61
By households and other cons.	14872	14701	15185	15382	15544	16194
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	8972	9260	9679	10017	10608	10981
Combustible fuels	6434	6446	6697	6696	6745	6752
Hydro	529	529	529	529	529	529
Nuclear	..	..	..	..	..	..
Other	2009	2285	2453	2792	3334	3700
Main activity	8628	8901	9318	9650	10222	10578
Combustible fuels	6098	6105	6354	6351	6395	6396
Hydro	529	529	529	529	529	529
Nuclear	..	..	..	..	..	..
Other	2001	2267	2435	2770	3298	3653
Combustible fuel input	Terajoules					
Hard Coal	42334	40473	48423	46439	37510	21262
Peat	22070	24120	24635	23893	22476	20985
Biogas	1764	1846	1917	1904	1878	1699
Gas-diesel oil	172	301	774	473	301	344
Fuel oil	1414	1980	2424	2182	1091	1091
Liquefied petroleum gas	47	0	47	47	47	47
Refinery gas	198	198	396	198	0	..
Natural gas	97410	91598	88183	108711	112511	114233
Fuelwood	*2130	*2431	*1794	*3675	*3561	*3074
Municipal waste	2044	2096	2120	2132	4596	7958
Total input	169583	165043	170713	189654	183971	170693
Total production	73566	71849	74578	84186	81079	77566
Estimated efficiency (% of production to input)	43	44	44	44	44	45

Statistics on electricity
Isle of Man

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	443	465	435	433	467	493
Combustible fuels	440	462	431	430	463	490
Hydro	*3	3	4	3	4	*3
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	418	442	411	408	443	460
Combustible fuels	415	439	407	405	439	457
Hydro	*3	3	4	3	4	*3
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	0	0	0	0	0	36
Net production	443	465	435	433	467	457
Imports	58	42	63	65	41	*65
Exports	77	93	87	105	95	131
Losses	*30	*30	*30	*30	*30	*25
Consumption	373	368	367	362	363	362
Energy industries own use	..	..	..	..	..	..
By industry and construction	137	137	141	139	133	135
By transport	..	..	..	..	..	..
By households and other cons.	236	231	226	223	230	227
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	194	194	194	184	187	187
Combustible fuels	193	193	193	183	186	186
Hydro	1	1	1	1	1	1
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	186	186	186	176	180	180
Combustible fuels	185	185	185	175	179	179
Hydro	1	1	1	1	1	1
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Fuel oil	149	81	108	105	48	35
Natural gas	3317	3587	3165	3668	3587	3587
Municipal waste	*409	*380	*389	*411	*396	*546
Total input	3875	4048	3662	4184	4031	4168
Total production	1584	1664	1551	1548	1666	1765
Estimated efficiency (% of production to input)	41	41	42	37	41	42

Statistics on electricity

Israel

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	61322	60813	64226	66976	67675	68893
Combustible fuels	60794	59954	63080	65432	65742	66977
Hydro	28	13	24	0	0	0
Nuclear	..	..	..	..	..	..
Other	500	846	1122	1544	1933	1916
Main activity	59026	57478	60483	62907	63409	63846
Combustible fuels	58997	57464	60461	62907	63409	63846
Hydro	23	8	15	0	0	0
Nuclear	..	..	..	..	..	..
Other	6	6	7	0	0	0
Own use in electricity, CHP and heat plants	2140	1989	1928	2441	2200	2303
Net production	59182	58824	62298	64535	65475	66590
Imports	..	..	..	..	..	..
Exports	4675	4844	5197	5553	5649	5863
Losses	2567	1738	2472	2535	2387	2514
Consumption	52118	52201	54791	56443	57148	58307
Energy industries own use	478	883	769	755	855	826
By industry and construction	13181	15211	12746	13444	12942	13996
By transport	..	..	..	..	..	..
By households and other cons.	38459	36107	41276	42244	43351	43485
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	14985	16220	17221	17585	17827	18019
Combustible fuels	14491	15526	16466	16689	16813	16617
Hydro	7	7	7	7	9	9
Nuclear	..	..	..	..	..	..
Other	487	687	748	889	1005	1393
Main activity	14091	15075	15986	16198	16236	16001
Combustible fuels	14080	15064	15975	16166	16205	15964
Hydro	5	5	5	5	4	2
Nuclear	..	..	..	..	..	..
Other	6	6	6	27	27	35
Combustible fuel input	Terajoules					
Hard Coal	289694	273447	266209	227233	206952	195461
Brown Coal	3573	..	..	..	..	..
Biogas	353	593	559	795	960	878
Oil shale	1671	1572	1667	1679	1783	647
Gas-diesel oil	12900	731	3913	2193	6579	2623
Fuel oil	7070	525	848	848	1293	970
Other oil products	1930	1568	0	..	..	..
Natural gas	223101	245137	262263	317669	342459	300611
Total input	540291	523573	535460	550418	560026	501190
Total production	218858	215834	227088	235555	236671	241117
Estimated efficiency (% of production to input)	41	41	42	43	42	48

Statistics on electricity

Italy

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	289807	279827	282994	289768	295833	289710
Combustible fuels	192237	175510	191458	198693	208826	192131
Hydro	54672	60256	46970	44257	38025	50503
Nuclear	..	..	..	..	..	..
Other	42898	44061	44566	46818	48982	47076
Main activity	273734	264085	263912	271301	276051	266924
Combustible fuels	177113	160761	173249	181006	189676	170015
Hydro	54045	59518	46361	43695	37536	50037
Nuclear	..	..	..	..	..	..
Other	42576	43806	44302	46600	48839	46872
Own use in electricity, CHP and heat plants	10973	10679	10566	10065	10567	9866
Net production	278834	269148	272428	279703	285266	279844
Imports	44338	46747	50849	43181	42895	47170
Exports	2200	3031	4471	6154	5134	3271
Losses	21187	19451	19717	18753	18668	17988
Consumption	299784	293414	299089	297977	304359	305754
Energy industries own use	12386	11916	11606	11950	12393	12674
By industry and construction	114981	112918	112665	113257	115610	116070
By transport	10775	10463	10856	11162	11383	11539
By households and other cons.	161642	158117	163962	161608	164973	165471
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	124515	121747	116964	114162	114240	115220
Combustible fuels	74733	71272	65617	62096	61289	61276
Hydro	22009	22098	22220	22298	22426	22498
Nuclear	..	..	..	..	..	..
Other	27773	28377	29127	29768	30525	31446
Main activity	120213	117673	111706	109328	109206	109699
Combustible fuels	70664	67419	60575	57438	56426	55929
Hydro	21890	21979	22099	22181	22307	22393
Nuclear	..	..	..	..	..	..
Other	27659	28275	29032	29709	30473	31377
Combustible fuel input	Terajoules					
Hard Coal	427786	408150	414451	342425	304051	266911
Biogas	74133	80223	76475	76651	77413	76494
Fuel oil	41006	32401	37532	20281	20038	12484
Refinery gas	32274	26978	28958	31581	30839	30393
Other oil products	105163	106811	118188	125022	119474	125585
Natural gas	938888	829412	947225	1057652	1162357	1075137
Blast furnace gas	23404	25051	15672	23686	16953	17987
Fuelwood	*78399	*82397	*70047	*73136	*72332	*72080
Municipal waste	69302	71882	70840	72908	71442	70894
Other liquid biofuels	22632	26386	29400	28277	26907	26140
Others	34787	29970	26071	17982	18042	15992
Total input	1847774	1719661	1834857	1869601	1919848	1790096
Total production	692053	631836	689249	715295	751774	691672
Estimated efficiency (% of production to input)	37	37	38	38	39	39

Statistics on electricity
Jamaica

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	4163	4123	4206	4342	4360	4402
Combustible fuels	3924	3869	3953	4002	3873	3875
Hydro	124	135	128	118	154	179
Nuclear	..	..	..	..	..	..
Other	115	119	125	222	333	348
Main activity	2365	2462	2528	2556	2533	2561
Combustible fuels	2241	2327	2400	2438	2379	2382
Hydro	124	135	128	118	154	179
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	22	12	12	13	18	19
Net production	4141	4111	4194	4329	4342	4383
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	1097	1103	1137	1160	1152	1144
Consumption	3038	3011	3073	3184	3191	3299
Energy industries own use	..	..	..	..	..	..
By industry and construction	1365	1357	1379	1410	1358	1800
By transport	..	..	..	..	..	..
By households and other cons.	1673	1654	1694	1774	1833	1499
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	939	939	965	1031	1041	1045
Combustible fuels	874	874	871	871	871	874
Hydro	23	23	29	29	29	29
Nuclear	..	..	..	..	..	..
Other	42	42	65	131	141	142
Main activity	638	638	641	661	661	665
Combustible fuels	612	612	609	609	609	612
Hydro	23	23	29	29	29	29
Nuclear	..	..	..	..	..	..
Other	3	3	3	23	23	24
Combustible fuel input	Terajoules					
Gas-diesel oil	7645	7886	7835	9507	1587	1419
Fuel oil	26433	24433	26337	26296	29007	29169
Natural gas	..	..	..	*355	*4089	3789
Bagasse	*2471	*2317	*2626	*2703	*1853	*309
Total input	36550	34636	36797	38861	36536	34686
Total production	14126	13928	14231	14407	13943	13950
Estimated efficiency (% of production to input)	39	40	39	37	38	40

Statistics on electricity

Japan

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	1104249	1076066	1058748	1061874	1071200	1057755
Combustible fuels	967639	937239	894376	883161	862526	812737
Hydro	84886	86942	91270	85666	91060	88348
Nuclear	9303	0	9437	18060	32912	64929
Other	42421	51885	63665	74987	84702	91741
Main activity	888559	854703	824252	913763	919425	895973
Combustible fuels	808007	781906	737465	799505	781222	726604
Hydro	68564	70255	74801	81919	88356	85058
Nuclear	9303	0	9437	18060	32912	64929
Other	2685	2542	2549	14279	16935	19382
Own use in electricity, CHP and heat plants	37379	33794	31058	31060	31055	31059
Net production	1066870	1042272	1027690	1030814	1040145	1026696
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	47518	43334	40587	45600	40642	44999
Consumption	1012006	992537	969590	972905	989627	970436
Energy industries own use	22445	18876	20098	23120	24895	24902
By industry and construction	361038	355110	344897	342707	346630	344320
By transport	17721	17604	17551	17460	17460	17460
By households and other cons.	610802	600947	587044	589618	600642	583754
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	306789	319625	326444	338210	342198	347368
Combustible fuels	194337	196664	194388	198299	197092	196656
Hydro	48932	49597	50034	50117	50014	50037
Nuclear	44264	44264	42048	41482	39132	38042
Other	19256	29100	39974	48312	55960	62633
Main activity	231467	234028	231484	274454	272831	271643
Combustible fuels	141901	143777	143040	174392	173261	171469
Hydro	44676	45403	45786	49521	49562	49582
Nuclear	44264	44264	42048	41482	39132	38042
Other	626	584	610	9059	10876	12550
Combustible fuel input	Terajoules					
Hard Coal	2942216	2925909	2901200	2875960	2973094	2868155
Fuel oil	614969	468074	364650	305666	226482	163014
Refinery gas	116622	113652	119840	133403	152807	129789
Natural gas	3530817	3585183	3342273	3420877	3292214	3109123
Coke-oven gas	68596	64203	65612	64667	62449	60176
Blast furnace gas	210199	233959	224408	217389	196630	191141
Fuelwood	*9779	*17750	*30356	*46170	*63997	*75388
Vegetal waste	*66970	*60216	*60615	*62214	*66646	*66643
Industrial waste	74538	73127	73631	135435	149680	167878
Bitumen	45788	39919	36904	60983	57004	55757
Others	666222	478154	433458	264404	222675	175704
Total input	8346716	8060146	7652947	7587169	7463678	7062768
Total production	3483500	3374060	3219754	3179380	3105094	2925853
Estimated efficiency (% of production to input)	42	42	42	42	42	41

Statistics on electricity

Jersey

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	157	108	48	70	49	*45
Combustible fuels	157	108	48	70	49	*45
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	123	71	7	24	4	*4
Combustible fuels	123	71	7	24	4	*4
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	0	0	0	0	0	*2
Net production	157	108	48	70	49	*43
Imports	568	566	625	614	626	637
Exports	..	..	..	..	..	..
Losses	71	60	52	47	53	48
Consumption	656	615	622	637	620	633
Energy industries own use	..	..	..	..	..	..
By industry and construction	256	253	242	*249	*239	*239
By transport	..	..	..	..	..	..
By households and other cons.	400	362	380	387	381	395
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*240	*240	78	78	78	78
Combustible fuels	*240	*240	78	78	78	78
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*212	*212	50	50	50	50
Combustible fuels	*212	*212	50	50	50	50
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	1428	744	103	259	58	32
Municipal waste	*616	*658	*732	*813	*799	*760
Total input	2044	1402	*835	*1072	*857	*792
Total production	564	388	173	250	176	*160
Estimated efficiency (% of production to input)	28	28	21	23	20	20

Statistics on electricity

Jordan

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	17263	18270	19012	*19627	19432	18859
Combustible fuels	17205	18210	18834	*18704	18354	17293
Hydro	55	58	53	42	38	23
Nuclear	..	..	..	..	..	..
Other	3	2	125	882	1040	1543
Main activity	16977	17887	18540	*19427	19232	18720
Combustible fuels	16919	17827	18363	*18504	18154	17154
Hydro	55	58	53	42	38	23
Nuclear	..	..	..	..	..	..
Other	3	2	125	882	1040	1543
Own use in electricity, CHP and heat plants	616	632	676	614	600	520
Net production	16647	17638	18336	*19013	18832	18339
Imports	381	435	604	334	51	188
Exports	59	64	50	46	57	94
Losses	2406	2569	2190	2072	2029	2094
Consumption	14571	15419	16282	16805	17605	17594
Energy industries own use	99	98	105	105	101	100
By industry and construction	3425	3780	3823	3763	3910	3861
By transport	..	..	..	..	..	..
By households and other cons.	11047	11541	12354	12937	13594	13632
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	3385	4199	4455	4475	4506	4736
Combustible fuels	3372	4186	4320	3969	3890	3745
Hydro	12	12	12	12	12	12
Nuclear	..	..	..	..	..	..
Other	1	1	123	494	604	979
Main activity	3186	4000	4256	4276	4307	4537
Combustible fuels	3173	3987	4121	3770	3691	3546
Hydro	12	12	12	12	12	12
Nuclear	..	..	..	..	..	..
Other	1	1	123	494	604	979
Combustible fuel input	Terajoules					
Biogas	72	72	90	100	100	*100
Gas-diesel oil	58961	70258	24079	569	398	181
Fuel oil	53887	69561	63227	15473	12874	5252
Natural gas	37961	*12590	81400	141902	163276	159917
Total input	150881	152480	168797	158044	176648	165450
Total production	61938	65556	67803	*67333	66073	62254
Estimated efficiency (% of production to input)	41	43	40	43	37	38

Statistics on electricity
Kazakhstan

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	103086	105068	106468	106626	103128	107060
Combustible fuels	95349	96791	97020	94644	91485	96187
Hydro	7731	8263	9269	11620	11210	10330
Nuclear	..	..	..	..	..	..
Other	6	14	179	362	433	543
Main activity	103085	105067	106467	106625	103127	107059
Combustible fuels	95349	96791	97020	94644	91485	96187
Hydro	7731	8263	9269	11620	11210	10330
Nuclear	..	..	..	..	..	..
Other	5	13	178	361	432	542
Own use in electricity, CHP and heat plants	17337	19778	25201	23968	20846	12436
Net production	85749	85290	81267	82658	82282	94624
Imports	2147	1749	1618	1319	1327	1561
Exports	2996	2917	1614	2572	5692	5042
Losses	11174	7082	5181	5349	6411	2248
Consumption	73338	76676	76407	76064	79533	89114
Energy industries own use	7611	7776	8209	10166	9957	8786
By industry and construction	44280	45529	45110	44244	47406	50397
By transport	2960	2511	3573	3245	4019	3234
By households and other cons.	18487	20860	19515	18409	18151	26697
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*22222	*25011	*25149	*25223	*25256	24658
Combustible fuels	*20000	*22500	*22500	*22500	*22500	21902
Hydro	*2217	*2500	*2500	*2500	*2500	*2500
Nuclear	..	..	..	..	..	..
Other	*5	*11	*149	*223	*256	*256
Main activity	*22221	*25010	*25148	*25222	*25255	24657
Combustible fuels	*20000	*22500	*22500	*22500	*22500	21902
Hydro	*2217	*2500	*2500	*2500	*2500	*2500
Nuclear	..	..	..	..	..	..
Other	*4	*10	*148	*222	*255	*255
Combustible fuel input	Terajoules					
Hard Coal	305992	307125	292391	282264	315914	346903
Brown Coal	161	161	166	1560	2023	2626
Biogas	..	..	..	..	..	19
Fuel oil	7151	12201	16241	23028	8888	8601
Natural gas	194836	233178	225843	257658	261839	313105
Total input	508140	552665	534641	564510	588664	671254
Total production	343256	348448	349272	340718	329346	346273
Estimated efficiency (% of production to input)	68	63	65	60	56	52

Statistics on electricity

Kenya

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	8448	9139	9515	9971	10129	11163
Combustible fuels	2218	2635	1462	1471	2534	1673
Hydro	4435	3569	*3472	3960	2777	3986
Nuclear	..	..	..	..	..	..
Other	1796	2934	4580	4541	4818	5504
Main activity	8448	9139	9515	9971	10129	11036
Combustible fuels	2218	2635	1462	1471	2534	1546
Hydro	4435	3569	*3472	3960	2777	3986
Nuclear	..	..	..	..	..	..
Other	1796	2934	4580	4541	4818	5504
Own use in electricity, CHP and heat plants	49	43	48	50	50	110
Net production	8399	9095	9467	9921	10079	11053
Imports	49	158	59	86	230	130
Exports	36	27	46	39	12	69
Losses	1476	1662	1642	1965	1965	2244
Consumption	7296	7786	7732	8346	8741	8702
Energy industries own use	..	..	..	..	..	..
By industry and construction	4438	3988	4426	5257	5398	4337
By transport	..	..	..	..	..	..
By households and other cons.	2858	3798	3306	3089	3343	4366
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	1724	2115	2263	2254	2270	2647
Combustible fuels	715	734	819	786	766	864
Hydro	767	797	800	798	826	821
Nuclear	..	..	..	..	..	..
Other	242	584	645	670	678	963
Main activity	1724	2115	2263	2254	2270	2628
Combustible fuels	715	734	819	786	766	845
Hydro	767	797	800	798	826	821
Nuclear	..	..	..	..	..	..
Other	242	584	645	670	678	963
Combustible fuel input	Terajoules					
Biogas	..	..	..	..	..	6
Gas-diesel oil	12943	7310	3612	2263	1196	12470
Fuel oil	6464	6399	7874	5484	11009	12605
Vegetal waste	16800	16800	16800	15460	16800	*16500
Total input	36207	30509	28286	23207	29005	41581
Total production	7984	9487	5264	5295	9123	6023
Estimated efficiency (% of production to input)	22	31	19	23	31	14

Statistics on electricity

Kiribati

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	26	*27	*29	*31	*31	*31
Combustible fuels	25	*26	*26	*26	*26	*27
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	1	4	5	5	*5
Main activity	24	*25	*27	*29	*29	*29
Combustible fuels	23	*24	*24	*24	*24	*24
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	1	4	5	5	*5
Own use in electricity, CHP and heat plants	1	1	2	2	2	*2
Net production	25	*26	*28	*30	*30	*30
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	5	4	*5	*5	*5	*5
Consumption	20	21	*23	*25	*25	*24
Energy industries own use	..	..	..	..	..	..
By industry and construction	*2	*2	*2	*2	*2	*2
By transport	..	..	..	..	..	..
By households and other cons.	18	19	*21	*23	*23	*22
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	7	*7	*10	*11	*11	*11
Combustible fuels	6	*6	*8	*8	*8	*8
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	1	2	3	3	3
Main activity	6	*6	*9	*10	*10	*10
Combustible fuels	5	*5	*7	*7	*7	*7
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	1	2	3	3	3
Combustible fuel input	Terajoules					
Gas-diesel oil	301	292	*280	*241	*301	*301
Total input	301	292	*280	*241	*301	*301
Total production	91	*92	*92	*94	*94	*95
Estimated efficiency (% of production to input)	30	31	33	39	31	32

Statistics on electricity

Korea, Dem.Ppl's.Rep.

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	18337	17916	13748	16939	14915	15431
Combustible fuels	4432	4909	3737	4126	3001	2616
Hydro	13900	13000	10000	12800	11900	12800
Nuclear	..	..	..	..	..	..
Other	5	7	11	13	14	15
Main activity	18337	17916	13748	16939	14915	15431
Combustible fuels	4432	4909	3737	4126	3001	2616
Hydro	13900	13000	10000	12800	11900	12800
Nuclear	..	..	..	..	..	..
Other	5	7	11	13	14	15
Own use in electricity, CHP and heat plants	1738	1698	1303	1605	1413	1461
Net production	16599	16218	12445	15334	13502	13970
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	2899	2832	2173	2677	2357	2439
Consumption	13700	13386	10272	12657	11146	11530
Energy industries own use	..	..	..	..	..	..
By industry and construction	6850	6693	5136	6329	5573	5765
By transport	..	..	..	..	..	..
By households and other cons.	6850	6693	5136	6328	5573	5765
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	7249	7260	7435	7671	7731	8160
Combustible fuels	2960	2960	2960	2960	2960	3360
Hydro	4283	4293	4467	4701	4761	4790
Nuclear	..	..	..	..	..	..
Other	6	*7	*8	*10	*10	*10
Main activity	7249	7260	7435	7671	7731	8160
Combustible fuels	2960	2960	2960	2960	2960	3360
Hydro	4283	4293	4467	4701	4761	4790
Nuclear	..	..	..	..	..	..
Other	6	*7	*8	*10	*10	*10
Combustible fuel input	Terajoules					
Hard Coal	28716	33948	22517	28976	20195	16849
Brown Coal	5504	6155	4168	4537	3165	2638
Fuel oil	10342	10625	14706	17049	14140	13857
Total input	44563	50728	41390	50561	37500	33344
Total production	15955	17672	13453	14854	10804	9418
Estimated efficiency (% of production to input)	36	35	33	29	29	28

Statistics on electricity
Korea, Republic of

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	541996	550934	552697	562603	566881	590108
Combustible fuels	390858	381511	375110	385386	400148	435290
Hydro	8394	7820	5796	6634	7006	7270
Nuclear	138784	156407	164762	161995	148427	133505
Other	3960	5196	7029	8588	11300	14043
Main activity	513833	517962	522835	527590	533229	554384
Combustible fuels	363146	349044	345891	351162	367461	400689
Hydro	8394	7820	5796	6634	7006	7270
Nuclear	138784	156407	164762	161995	148427	133505
Other	3509	4691	6386	7799	10335	12920
Own use in electricity, CHP and heat plants	20526	20927	23733	22519	21085	23263
Net production	521470	530007	528964	540084	545796	566845
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	18311	18270	17979	18475	18790	18183
Consumption	503570	505690	511469	534858	543862	550589
Energy industries own use	16445	18856	16158	17587	20624	19216
By industry and construction	255697	259606	262369	265383	274429	278813
By transport	2168	2003	2217	2689	2865	2967
By households and other cons.	229260	225225	230725	249199	245944	249593
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	91478	99817	103191	111203	122950	127475
Combustible fuels	61795	69122	70108	75559	86377	89013
Hydro	6452	6467	6471	6485	6489	6490
Nuclear	20716	20716	21716	23116	22529	21850
Other	2515	3512	4896	6043	7555	10122
Main activity	85145	92115	95695	103742	113913	117613
Combustible fuels	55960	62121	63704	68903	78130	80138
Hydro	6452	6467	6471	6485	6489	6490
Nuclear	20716	20716	21716	23116	22529	21850
Other	2017	2811	3804	5238	6765	9135
Combustible fuel input	Terajoules					
Hard Coal	2135854	2049054	2106320	2107076	2117889	2113883
Brown Coal	38499	103882	145713	140268	208597	209857
Fuel oil	139663	66741	76073	112070	44642	48844
Naphtha	46903	47882	63680	55136	45657	47571
Petroleum coke	8840	11050	15925	10628	20573	21125
Natural gas	1054747	933846	889749	952847	993522	1204484
Coke-oven gas	23544	38166	35247	35474	39417	41092
Blast furnace gas	102556	127625	124623	120427	121844	121419
Fuelwood	*6776	*4613	*10176	*38807	*41348	*52535
Other recovered gases	14983	20893	22509	23676	23219	23176
Others	28989	42111	38246	36358	45759	49292
Total input	3601355	3445863	3528261	3632766	3702467	3933277
Total production	1407089	1373440	1350396	1387390	1440533	1567044
Estimated efficiency (% of production to input)	39	40	38	38	39	40

Statistics on electricity

Kosovo

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	6525	5436	6119	5981	5919	5917
Combustible fuels	6382	5285	5979	5736	5739	5612
Hydro	143	151	140	245	179	273
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	1	32
Main activity	6525	5436	6119	5981	5919	5917
Combustible fuels	6382	5285	5979	5736	5739	5612
Hydro	143	151	140	245	179	273
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	1	32
Own use in electricity, CHP and heat plants	664	434	618	430	618	537
Net production	5861	5002	5501	5551	5301	5380
Imports	2551	966	684	557	1242	825
Exports	2893	475	553	1064	880	677
Losses	879	818	999	1174	1317	1125
Consumption	4645	4674	4622	3871	4337	4398
Energy industries own use	0	0	0	0	..	..
By industry and construction	1255	1311	1368	1048	1062	979
By transport	..	..	..	..	..	..
By households and other cons.	3390	3363	3254	2823	3275	3419
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	959	959	959	1009	1409	1409
Combustible fuels	915	915	915	915	1288	1288
Hydro	43	43	43	86	80	80
Nuclear	..	..	..	..	..	..
Other	1	1	1	8	40	40
Main activity	959	959	959	1009	1409	1409
Combustible fuels	915	915	915	915	1288	1288
Hydro	43	43	43	86	80	80
Nuclear	..	..	..	..	..	..
Other	1	1	1	8	40	40
Combustible fuel input	Terajoules					
Brown Coal	63142	54598	63532	66473	55792	59498
Gas-diesel oil	86	86	86	86	86	43
Fuel oil	121	121	121	121	81	81
Total input	63349	54806	63739	66680	55959	59622
Total production	22975	19026	21524	20650	20660	20203
Estimated efficiency (% of production to input)	36	35	34	31	37	34

Statistics on electricity

Kuwait

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	60982	65140	68288	70085	72790	74107
Combustible fuels	60982	65140	68288	70085	72788	74103
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	0	2	4
Main activity	60982	65140	68288	70085	72788	74103
Combustible fuels	60982	65140	68288	70085	72788	74103
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	7398	7597	7878	8168	7921	8316
Net production	53584	57543	60410	61917	64869	65791
Imports	124	136	133	171	553	202
Exports	164	178	175	213	390	535
Losses	5354	5750	6037	6188	6503	6546
Consumption	48190	51751	54331	55688	58529	58912
Energy industries own use	13211	14188	14895	15267	16046	16151
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	34978	37563	39436	40421	42483	42762
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	15639	15739	18279	18892	18765	18867
Combustible fuels	15639	15739	18279	18890	18763	18863
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	*2	*2	*4
Main activity	15619	15719	18259	18870	18743	18793
Combustible fuels	15619	15719	18259	18870	18743	18793
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Crude oil	66538	84642	28510	23857	54017	36632
Gas-diesel oil	53234	64285	49407	33024	29971	20898
Fuel oil	284901	230240	283406	293950	252298	260580
Natural gas	272734	337808	377668	407319	403477	434116
Total input	677407	716975	738991	758151	739763	752226
Total production	219535	234504	245837	252306	262037	266771
Estimated efficiency (% of production to input)	32	33	33	33	35	35

Statistics on electricity
Kyrgyzstan

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	14011	14572	13030	13262	15514	15728
Combustible fuels	914	1274	1930	1768	1311	1410
Hydro	13097	13298	11100	11494	14203	14318
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	14004	14552	13006	13236	15499	15689
Combustible fuels	907	1254	1906	1742	1296	1371
Hydro	13097	13298	11100	11494	14203	14318
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	199	270	244	182	136	194
Net production	13812	14302	12786	13080	15378	15534
Imports	0	286	729	330	..	..
Exports	377	72	184	199	1215	755
Losses	2841	3458	2668	2655	2844	2814
Consumption	10322	11058	10663	10428	11190	11965
Energy industries own use	55	74	76	268	182	101
By industry and construction	1464	1175	2356	1709	1763	2510
By transport	41	232	174	45	46	44
By households and other cons.	8762	9577	8057	8406	9199	9310
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*3861	*3864	*3865	*3786	3869	*3869
Combustible fuels	*797	*800	*801	*722	*734	*734
Hydro	*3064	*3064	*3064	*3064	3135	*3135
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*3859	*3859	*3859	*3780	3863	*3863
Combustible fuels	*795	*795	*795	*716	*728	*728
Hydro	*3064	*3064	*3064	*3064	3135	*3135
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Hard Coal	9840	11838	18775	9922	6120	4043
Brown Coal	4645	7298	5334	6389	6462	8367
Gas-diesel oil	0	0	0	0	..	..
Fuel oil	1252	1050	646	364	566	1010
Natural gas	382	1651	2419	2710	1697	1142
Total input	16120	21837	27175	19385	14845	14563
Total production	3290	4586	6948	6365	4720	5076
Estimated efficiency (% of production to input)	20	21	26	33	32	35

Statistics on electricity

Lao People's Dem. Rep.

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	15512	15640	16730	25068	31550	*34410
Combustible fuels	5	6	2476	7120	*11683	*12555
Hydro	15506	15633	14252	17946	19858	*21844
Nuclear	..	..	..	..	..	..
Other	0	1	2	2	9	*12
Main activity	15512	15640	16730	25068	31550	*34410
Combustible fuels	5	6	2476	7120	*11683	*12555
Hydro	15506	15633	14252	17946	19858	*21844
Nuclear	..	..	..	..	..	..
Other	0	1	2	2	9	*12
Own use in electricity, CHP and heat plants	0	350	229	2	*320	*360
Net production	15512	15290	16501	25066	31230	*34050
Imports	1272	1559	2050	787	500	302
Exports	12494	11936	11559	19650	24901	27216
Losses	907	1106	2565	1673	1799	1994
Consumption	3381	3791	4239	4660	*5030	*5142
Energy industries own use	..	..	..	..	..	..
By industry and construction	1118	1564	1745	1916	*2069	*2115
By transport	..	..	..	..	..	..
By households and other cons.	2263	2228	2494	2744	*2962	*3028
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	3020	3098	5813	6457	6916	7171
Combustible fuels	40	40	1918	1918	1903	1909
Hydro	2980	3058	3894	4538	5006	5256
Nuclear	..	..	..	..	..	..
Other	0	1	2	2	7	7
Main activity	3020	3098	5813	6457	6916	7171
Combustible fuels	40	40	1918	1918	1903	1909
Hydro	2980	3058	3894	4538	5006	5256
Nuclear	..	..	..	..	..	..
Other	0	1	2	2	7	7
Combustible fuel input	Terajoules					
Brown Coal	..	..	41605	*92617	*124378	*131235
Bagasse	*77	*77	*54	*77	*425	*421
Total input	*77	*77	41659	*92695	*124803	*131656
Total production	19	20	8914	25632	*42060	*45197
Estimated efficiency (% of production to input)	25	26	21	28	34	34

Statistics on electricity

Latvia

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	6209	5139	5533	6425	7531	6725
Combustible fuels	3177	3006	3526	3767	3000	4170
Hydro	2912	1994	1860	2530	4381	2432
Nuclear	..	..	..	..	..	..
Other	120	139	147	128	150	123
Main activity	5954	4884	5276	6214	7337	6535
Combustible fuels	2926	2760	3273	3560	2812	3984
Hydro	2909	1987	1858	2528	4377	2430
Nuclear	..	..	..	..	..	..
Other	119	137	145	126	148	121
Own use in electricity, CHP and heat plants	409	407	440	498	506	522
Net production	5800	4732	5093	5927	7025	6203
Imports	5005	5340	5246	4828	4073	5174
Exports	3650	3023	3425	3795	4137	4265
Losses	575	465	451	476	474	448
Consumption	6576	6582	6461	6482	6485	6661
Energy industries own use	..	..	..	..	..	..
By industry and construction	1808	1667	1703	1667	1763	1842
By transport	124	117	106	105	104	103
By households and other cons.	4644	4798	4652	4710	4618	4716
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	2908	2922	2931	2927	2942	2915
Combustible fuels	1255	1265	1275	1292	1299	1269
Hydro	1587	1588	1588	1564	1564	1565
Nuclear	..	..	..	..	..	..
Other	66	69	68	71	79	81
Main activity	2857	2880	2889	2883	2908	2880
Combustible fuels	1205	1224	1234	1251	1268	1239
Hydro	1586	1587	1587	1563	1563	1563
Nuclear	..	..	..	..	..	..
Other	66	69	68	69	77	78
Combustible fuel input	Terajoules					
Hard Coal	446	169	96	143	48	96
Peat	40	0	0	0	..	80
Biogas	2365	2780	3310	3424	3568	3291
Gas-diesel oil	0	0	0	0	..	0
Fuel oil	121	0	0	0	0	0
Natural gas	33458	29896	32244	32978	18586	27058
Fuelwood	5256	7097	8359	10331	11095	11693
Vegetal waste	0	0	0	0	0	0
Biodiesel	0	0	0	0	..	..
Total input	41687	39942	44009	46876	33297	42219
Total production	11437	10822	12694	13561	10800	15012
Estimated efficiency (% of production to input)	27	27	29	29	32	36

Statistics on electricity
Lebanon

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	17490	19777	20720	21457	23411	23150
Combustible fuels	16218	19578	20226	21047	22955	22754
Hydro	1269	193	479	382	415	348
Nuclear	..	..	..	..	..	..
Other	3	6	15	28	41	48
Main activity	10487	12387	12253	13060	14498	15234
Combustible fuels	9218	12194	11774	12678	14083	14886
Hydro	1269	193	479	382	415	348
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	3	6	15	28	41	48
Net production	17487	19771	20705	21429	23370	23102
Imports	522	136	268	69	534	11
Exports	..	..	..	..	..	..
Losses	1651	*1792	*1888	*1935	*2151	*2080
Consumption	16358	*18116	*19085	*19563	*21753	*21033
Energy industries own use	..	..	..	..	..	..
By industry and construction	4294	*4747	*5001	*5126	*5700	*5511
By transport	..	..	..	..	..	..
By households and other cons.	12064	*13369	*14084	*14437	*16053	*15522
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	3535	3537	3643	3662	3698	3704
Combustible fuels	3259	3259	3359	3359	3409	3409
Hydro	*274	*274	*274	280	*253	*253
Nuclear	..	..	..	..	..	..
Other	2	4	10	23	36	42
Main activity	2583	2583	2583	2589	2562	2562
Combustible fuels	2309	2309	2309	2309	2309	2309
Hydro	*274	*274	*274	280	*253	*253
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	109646	116949	126631	126133	124593	122210
Fuel oil	47811	57087	57173	62844	77415	75581
Natural gas	0	0	0	..	..	..
Total input	157457	174036	183804	188976	202007	197791
Total production	58385	70481	72814	75769	82638	81914
Estimated efficiency (% of production to input)	37	40	40	40	41	41

Statistics on electricity
Lesotho

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	515	515	532	508	502	517
Combustible fuels	..	..	..	0	*1	1
Hydro	515	515	532	508	501	517
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	515	515	532	508	502	517
Combustible fuels	..	..	..	0	*1	1
Hydro	515	515	532	508	501	517
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	0	0	0	0	1	1
Net production	515	515	532	508	501	517
Imports	285	271	261	373	387	397
Exports	2	3	4	3	1	3
Losses	88	98	122	154	116	115
Consumption	711	675	*694	*765	700	807
Energy industries own use	..	..	..	..	..	..
By industry and construction	236	233	*225	*267	309	320
By transport	..	..	..	..	..	..
By households and other cons.	475	442	*469	*498	391	487
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	80	80	80	81	75	75
Combustible fuels	..	..	..	*1	*1	1
Hydro	80	80	80	80	74	74
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Main activity	80	80	80	81	75	75
Combustible fuels	..	..	..	*1	*1	1
Hydro	80	80	80	80	74	74
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Combustible fuel input	Terajoules					
Gas-diesel oil	..	..	..	*4	*4	*4
Total input	..	..	..	*4	*4	*4
Total production	..	..	..	*1	*2	2
Estimated efficiency (% of production to input)	..	..	..	35	56	54

Statistics on electricity
Liberia

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*340	*340	*350	*440	*440	*444
Combustible fuels	*300	*300	*310	*400	*397	*318
Hydro	*40	*40	*40	*40	*40	*122
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	*3	*4
Main activity	*140	*140	*145	*175	*160	*234
Combustible fuels	*100	*100	*105	*135	*117	*108
Hydro	*40	*40	*40	*40	*40	*122
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	*3	*4
Own use in electricity, CHP and heat plants	*60	*60	*60	*135	*124	*117
Net production	*280	*280	*290	*305	*316	*327
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*24	*24	*25	*30	*30	*27
Consumption	*256	*256	*265	*275	*285	*300
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	*256	*256	*265	*275	*285	*300
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*102	*102	*102	*107	*111	*195
Combustible fuels	*93	*93	*93	*98	*100	*100
Hydro	*9	*9	*9	*9	*9	*92
Nuclear	..	..	..	..	..	..
Other	..	..	..	0	*2	*3
Main activity	32	*32	*32	37	*41	*125
Combustible fuels	23	*23	*23	28	*30	*30
Hydro	*9	*9	*9	*9	*9	*92
Nuclear	..	..	..	..	..	..
Other	..	..	..	0	*2	*3
Combustible fuel input	Terajoules					
Gas-diesel oil	*2709	*2752	*3225	*4160	*3870	*3311
Fuel oil	*404	*404	0	0	..	..
Total input	*3113	*3156	*3225	*4160	*3870	*3311
Total production	*1080	*1080	*1116	*1440	*1429	*1145
Estimated efficiency (% of production to input)	35	34	35	35	37	35

Statistics on electricity

Libya

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	37921	37731	37511	31420	33282	34171
Combustible fuels	37913	37723	37503	31412	33274	34163
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	8	8	8	8	8	8
Main activity	37921	37731	37511	31420	33282	34171
Combustible fuels	37913	37723	37503	31412	33274	34163
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	8	8	8	8	8	8
Own use in electricity, CHP and heat plants	609	632	731	1004	999	842
Net production	37312	37099	36780	30416	32283	33329
Imports	64	88	..	376	302	465
Exports	1	0	..	..	..	..
Losses	7215	7186	7127	6327	6683	6893
Consumption	18995	17019	15282	13988	14132	17605
Energy industries own use	..	..	..	..	..	..
By industry and construction	1892	1560	1892	1213	1225	1169
By transport	..	..	..	..	..	..
By households and other cons.	17103	15459	13390	12775	12907	16436
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	9460	9460	9460	10249	10243	10516
Combustible fuels	9455	9455	9455	10244	10238	10511
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	5	5	5	5	5	5
Main activity	9460	9460	9460	10249	10243	10516
Combustible fuels	9455	9455	9455	10244	10238	10511
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	5	5	5	5	5	5
Combustible fuel input	Terajoules					
Gas-diesel oil	134246	134246	134246	52632	79206	85140
Fuel oil	36602	36602	36602	32845	24280	31431
Natural gas	236429	216420	231270	266071	266448	261466
Total input	407277	387268	402118	351548	369934	378037
Total production	136487	135803	135011	113083	119786	122987
Estimated efficiency (% of production to input)	34	35	34	32	32	33

Statistics on electricity

Liechtenstein

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	85	41	70	90	93	89
Combustible fuels	3	3	2	2	2	2
Hydro	69	22	49	68	69	62
Nuclear	..	..	..	..	..	..
Other	13	17	19	20	22	25
Main activity	85	41	70	90	93	89
Combustible fuels	3	3	2	2	2	2
Hydro	69	22	49	68	69	62
Nuclear	..	..	..	..	..	..
Other	13	17	19	20	22	25
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	85	41	70	90	93	89
Imports	319	355	325	309	314	321
Exports	..	..	..	..	..	..
Losses	..	..	..	..	..	..
Consumption	404	396	395	399	407	410
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	404	396	395	399	407	410
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*14	*15	*16	*16	*16	*16
Combustible fuels	*1	1	*1	*1	*1	*1
Hydro	*10	*10	*10	*10	*10	*10
Nuclear	..	..	..	..	..	..
Other	*3	*4	*5	*5	*5	*5
Main activity	*14	*15	*16	*16	*16	*16
Combustible fuels	*1	1	*1	*1	*1	*1
Hydro	*10	*10	*10	*10	*10	*10
Nuclear	..	..	..	..	..	..
Other	*3	*4	*5	*5	*5	*5
Combustible fuel input	Terajoules					
Biogas	*13	0	0	*1	*1	*1
Natural gas	*28	*28	*25	*26	*25	*20
Municipal waste	0	0	0	0	0	0
Total input	*41	*28	*25	*27	*26	*21
Total production	12	9	8	9	8	7
Estimated efficiency (% of production to input)	30	32	32	32	32	32

Statistics on electricity

Lithuania

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	4762	4397	4933	4266	4187	3514
Combustible fuels	2808	2354	2761	1750	1324	1091
Hydro	1069	1088	1024	1044	1181	960
Nuclear	..	..	..	..	..	..
Other	885	955	1148	1472	1682	1463
Main activity	4141	3661	4002	3378	3361	2865
Combustible fuels	2424	1861	2095	1132	748	674
Hydro	1069	1088	1024	1044	1181	960
Nuclear	..	..	..	..	..	..
Other	648	712	883	1202	1432	1231
Own use in electricity, CHP and heat plants	311	253	257	215	191	200
Net production	4451	4144	4676	4051	3996	3314
Imports	8073	8521	7938	11106	11926	12848
Exports	1127	898	730	2831	3249	3215
Losses	872	815	793	907	914	935
Consumption	10522	10949	11089	11416	11755	12013
Energy industries own use	1567	1712	1747	1666	1697	1610
By industry and construction	2986	3119	3313	3417	3634	3688
By transport	74	63	67	72	74	81
By households and other cons.	5895	6055	5962	6261	6350	6634
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	4323	4037	3587	3665	3326	3354
Combustible fuels	3075	2778	2180	2184	1832	1837
Hydro	876	877	877	877	877	877
Nuclear	..	..	..	..	..	..
Other	372	382	530	604	617	640
Main activity	4053	3764	3313	3387	3046	3074
Combustible fuels	2830	2530	1931	1931	1577	1582
Hydro	876	877	877	877	877	877
Nuclear	..	..	..	..	..	..
Other	347	357	505	579	592	615
Combustible fuel input	Terajoules					
Hard Coal	0	0	0	0	0	0
Peat	0	35	0	0	0	0
Biogas	473	603	669	996	1004	1209
Gas-diesel oil	0	0	0	0	0	0
Fuel oil	2666	1414	2060	1091	646	606
Refinery gas	149	99	198	396	297	347
Natural gas	30737	24187	21472	14542	11180	9045
Fuelwood	6075	6060	6365	5911	7192	7887
Municipal waste	929	975	1312	2480	2443	1678
Industrial waste	155	258	290	486	182	584
Others	0	0	0	0	0	0
Total input	41184	33631	32366	25902	22944	21355
Total production	10109	8474	9940	6300	4766	3928
Estimated efficiency (% of production to input)	25	25	31	24	21	18

Statistics on electricity

Luxembourg

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	2888	2966	2766	2196	2235	2201
Combustible fuels	1573	1622	1030	467	470	490
Hydro	1158	1169	1530	1528	1422	1336
Nuclear	..	..	..	..	..	..
Other	157	175	206	201	343	375
Main activity	2623	2695	2492	1911	1957	1918
Combustible fuels	1388	1452	866	290	304	331
Hydro	1152	1163	1524	1520	1418	1332
Nuclear	..	..	..	..	..	..
Other	83	80	102	101	235	255
Own use in electricity, CHP and heat plants	28	28	28	28	30	30
Net production	2860	2938	2738	2168	2205	2171
Imports	6852	6961	7519	7718	7567	7553
Exports	1908	2067	1919	1420	1389	1392
Losses	153	153	158	158	156	155
Consumption	7668	7677	8175	8309	8228	8141
Energy industries own use	1468	1496	1951	1943	1834	1717
By industry and construction	3053	3075	3145	3431	3004	3061
By transport	129	124	132	131	135	137
By households and other cons.	3018	2982	2947	2804	3255	3226
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	1813	2022	2024	1710	1711	1718
Combustible fuels	526	524	514	138	133	134
Hydro	1134	1330	1330	1330	1330	1330
Nuclear	..	..	..	..	..	..
Other	153	168	180	242	248	254
Main activity	1657	1851	1844	1509	1523	1530
Combustible fuels	467	465	452	61	75	79
Hydro	1132	1328	1328	1328	1328	1328
Nuclear	..	..	..	..	..	..
Other	58	58	64	120	120	123
Combustible fuel input	Terajoules					
Biogas	307	384	395	448	447	485
Gas-diesel oil	0	0	0	43	0	..
Natural gas	13481	12598	7918	3620	3216	2769
Fuelwood	*49	*525	*598	*612	*1122	1976
Municipal waste	1225	1171	1365	1400	1557	1552
Total input	15062	14678	10276	6123	6342	6782
Total production	5663	5839	3708	1681	1692	1764
Estimated efficiency (% of production to input)	38	40	36	27	27	26