

Statistics on electricity
Gabon

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	2042	2165	2101	1999	2128	2336
Combustible fuels	1202	1254	1163	1203	1208	1381
Hydro	840	908	936	794	918	953
Nuclear	..	..	..	..	..	..
Other	..	3	2	2	2	2
Main activity	1838	1966	1891	1784	1907	2112
Combustible fuels	998	1058	955	990	989	1159
Hydro	840	908	936	794	918	953
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	67	75	74	99	95	102
Net production	1975	2090	2027	1900	2033	2234
Imports	..	..	184	388	337	344
Exports	..	..	..	..	..	..
Losses	404	426	454	453	476	517
Consumption	1571	1664	1757	1835	1894	2061
Energy industries own use	34	36	38	40	41	45
By industry and construction	418	441	466	487	502	546
By transport	6	7	7	7	7	8
By households and other cons.	1113	1180	1246	1301	1344	1462
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	443	464	514	509	511	523
Combustible fuels	273	293	343	338	340	352
Hydro	170	170	170	170	170	170
Nuclear	..	..	..	..	..	..
Other	..	*1	*1	*1	*1	*1
Main activity	373	393	443	438	440	452
Combustible fuels	203	223	273	268	270	282
Hydro	170	170	170	170	170	170
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	2408	2451	3053	2580	2709	2623
Fuel oil	40	40	40	81	..	..
Natural gas	13488	13569	10970	12146	13264	15034
Fuelwood	*285	*292	*299	*301	*320	352
Total input	16221	16352	14362	15108	16293	18009
Total production	4327	4514	4187	4331	4349	4972
Estimated efficiency (% of production to input)	27	28	29	29	27	28

Statistics on electricity

Gambia

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*256	*266	*261	*281	*297	*314
Combustible fuels	*256	*266	*261	*281	*297	*314
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*226	*236	*230	*250	*266	*282
Combustible fuels	*226	*236	*230	*250	*266	*282
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	*4	*21	*12	*11	*11	*11
Net production	*251	*245	*249	*270	*286	*303
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*50	*52	*52	*52	*55	*58
Consumption	*199	*208	*209	*209	*221	*233
Energy industries own use	..	..	..	..	..	..
By industry and construction	*34	*35	*35	*35	*37	*39
By transport	..	..	..	..	..	..
By households and other cons.	*166	*173	*174	*173	*184	*194
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*74	*74	*91	116	*118	*119
Combustible fuels	*74	*74	*91	114	*116	*117
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	2	*2	*2
Main activity	*40	*40	*57	82	*83	*84
Combustible fuels	*40	*40	*57	80	*81	*82
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	2	*2	*2
Combustible fuel input	Terajoules					
Gas-diesel oil	*1978	*2021	*2021	*2150	*2215	*2305
Fuel oil	*808	*808	*808	*808	*808	*840
Total input	*2786	*2829	*2829	*2958	*3023	*3145
Total production	*921	*959	*939	*1011	*1070	*1129
Estimated efficiency (% of production to input)	33	34	33	34	35	36

Statistics on electricity
Georgia

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	10104	9698	10059	10371	10833	11574
Combustible fuels	2212	2477	1788	2036	2379	2236
Hydro	7892	7221	8271	8335	8454	9329
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	9
Main activity	10104	9698	10059	10371	10833	11574
Combustible fuels	2212	2477	1788	2036	2379	2236
Hydro	7892	7221	8271	8335	8454	9329
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	9
Own use in electricity, CHP and heat plants	87	226	199	217	240	289
Net production	10017	9472	9860	10154	10592	11285
Imports	471	615	484	853	699	1329
Exports	931	528	450	604	660	1409
Losses	1142	1094	805	600	711	784
Consumption	8511	8452	9089	9801	9921	10501
Energy industries own use	423	284	15	17	14	14
By industry and construction	2963	2876	2327	2816	2752	2902
By transport	373	405	282	267	294	301
By households and other cons.	4752	4887	6465	6701	6861	7284
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*4350	*4350	3471	3471	3718	3919
Combustible fuels	*1688	*1688	680	680	913	926
Hydro	*2662	*2662	2791	2791	2805	2972
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	21
Main activity	*4350	*4350	3471	3471	3718	3919
Combustible fuels	*1688	*1688	680	680	913	926
Hydro	*2662	*2662	2791	2791	2805	2972
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	21
Combustible fuel input	Terajoules					
Brown Coal	..	..	..	..	..	451
Gas-diesel oil	516	0	0	0	0	0
Natural gas	19858	22588	18869	22345	25252	20284
Total input	20374	22588	18869	22345	25252	20735
Total production	7963	8917	6437	7330	8563	8048
Estimated efficiency (% of production to input)	39	39	34	33	34	39

Statistics on electricity

Germany

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	613068	629812	638729	627795	646888	649119
Combustible fuels	410773	423424	428094	409688	410315	419591
Hydro	23511	27849	28782	25444	24898	26135
Nuclear	107971	99460	97290	97129	91786	84634
Other	70813	79079	84563	95534	119889	118759
Main activity	562454	585718	593837	582345	596674	594256
Combustible fuels	362124	381003	384628	365814	361482	366194
Hydro	23184	27499	28600	25282	24741	25959
Nuclear	107971	99460	97290	97129	91786	84634
Other	69175	77756	83319	94120	118665	117469
Own use in electricity, CHP and heat plants	36152	37072	36912	35843	36813	34964
Net production	576916	592740	601817	591952	610075	614155
Imports	51003	46268	39222	40435	37008	28338
Exports	54768	66810	71415	74320	85290	78863
Losses	24799	24562	24474	24159	25605	25759
Consumption	548352	547637	545150	533907	536188	537871
Energy industries own use	22806	21803	21949	21072	21457	20494
By industry and construction	229805	226239	224269	228773	224880	226598
By transport	12151	12084	11985	11594	11279	11739
By households and other cons.	283590	287511	286947	272468	278572	279040
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	176426	178400	185308	197501	203419	208500
Combustible fuels	89421	89649	91368	97203	96967	95716
Hydro	11436	11257	11240	11234	11399	11300
Nuclear	20467	12068	12068	12074	10799	10799
Other	55102	65426	70632	76990	84254	90685
Main activity	166671	171381	175689	187694	192701	197912
Combustible fuels	80050	82912	82072	87747	86552	85409
Hydro	11367	11185	11198	11190	11356	11257
Nuclear	20467	12068	12068	12074	10799	10799
Other	54787	65216	70351	76683	83994	90447
Combustible fuel input	Terajoules					
Hard Coal	1075457	1130473	1254261	1162815	1127187	1090750
Brown Coal	1447201	1531986	1509182	1468554	1460006	1411719
Biogas	148398	190358	214517	228266	241313	249983
Other oil products	25406	29386	28462	22110	26452	21507
Natural gas	771794	692263	616961	555763	555451	707551
Coke-oven gas	14634	17104	19258	17522	22759	24647
Blast furnace gas	68853	67615	73193	69845	69659	73166
Fuelwood	*125705	*135851	*131071	*135878	*127284	121458
Municipal waste	148154	156878	177360	189580	179782	194092
Industrial waste	25193	25478	19234	22477	21594	22892
Others	59848	67565	61577	56800	58347	59799
Total input	3910643	4044957	4105075	3929610	3889832	3977564
Total production	1478783	1524326	1541138	1474877	1477134	1510528
Estimated efficiency (% of production to input)	38	38	38	38	38	38

Statistics on electricity
Ghana

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	11366	12204	13050	13143	11672	13203
Combustible fuels	3805	4133	4814	4752	5824	7615
Hydro	7561	8071	8233	8387	5845	5561
Nuclear	..	..	..	..	..	..
Other	..	..	3	4	3	27
Main activity	11200	12024	12870	12963	11492	13023
Combustible fuels	3639	3953	4634	4572	5644	7435
Hydro	7561	8071	8233	8387	5845	5561
Nuclear	..	..	..	..	..	..
Other	..	..	3	4	3	27
Own use in electricity, CHP and heat plants	166	180	180	180	180	226
Net production	11200	12024	12870	12963	11492	12977
Imports	81	128	27	51	223	574
Exports	691	667	530	522	587	274
Losses	1587	1435	1661	1739	1406	1845
Consumption	8974	9906	10636	10694	9684	11418
Energy industries own use	..	..	..	..	..	..
By industry and construction	2933	3160	3284	3262	2566	2988
By transport	0	3	4	4	4	6
By households and other cons.	6041	6743	7348	7428	7114	8424
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	2800	2910	3041	3041	3866	4005
Combustible fuels	1620	1730	1458	1458	2263	2402
Hydro	1180	1180	1580	1580	1580	1580
Nuclear	..	..	..	..	..	..
Other	0	0	3	3	23	23
Main activity	2590	2700	2831	2831	3656	3795
Combustible fuels	1410	1520	1248	1248	2053	2192
Hydro	1180	1180	1580	1580	1580	1580
Nuclear	..	..	..	..	..	..
Other	0	0	3	3	23	23
Combustible fuel input	Terajoules					
Crude oil	11421	32613	37393	25211	12394	20431
Gas-diesel oil	280	585	228	65	43	1871
Fuel oil	..	..	..	..	..	14920
Natural gas	31912	16294	11815	25805	46315	21658
Total input	43612	49492	49437	51080	58752	58879
Total production	13698	14879	17330	17107	20966	27414
Estimated efficiency (% of production to input)	31	30	35	33	36	47

Statistics on electricity

Gibraltar

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	171	176	189	198	224	254
Combustible fuels	171	176	189	198	224	254
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	171	176	189	198	224	254
Combustible fuels	171	176	189	198	224	254
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	3	4	4	4	4	5
Net production	168	172	185	194	220	249
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	5	5	6	6	7	8
Consumption	163	167	179	188	213	241
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	163	167	179	188	213	241
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	43	43	43	43	*48	*53
Combustible fuels	43	43	43	43	*48	*53
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	43	43	43	43	*48	*53
Combustible fuels	43	43	43	43	*48	*53
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Fuel oil	1697	1737	1858	1939	2222	2505
Total input	1697	1737	1858	1939	2222	2505
Total production	616	634	680	713	806	914
Estimated efficiency (% of production to input)	36	36	37	37	36	37

Statistics on electricity

Greece

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	59436	60959	57152	50474	51874	54438
Combustible fuels	51236	50824	42981	38386	37203	39797
Hydro	4275	4591	6384	4607	6150	5565
Nuclear	..	..	..	..	..	..
Other	3925	5544	7787	7481	8521	9076
Main activity	56883	58608	55267	48682	49534	52491
Combustible fuels	48683	48473	41096	36594	34863	37850
Hydro	4275	4591	6384	4607	6150	5565
Nuclear	..	..	..	..	..	..
Other	3925	5544	7787	7481	8521	9076
Own use in electricity, CHP and heat plants	5523	7305	4592	3772	4068	4211
Net production	53913	53654	52560	46702	47806	50227
Imports	7180	5954	5788	9461	11081	9833
Exports	3948	4169	3901	642	1473	1037
Losses	2820	1611	3895	4149	4895	3957
Consumption	54325	53828	50552	51372	52519	55066
Energy industries own use	2531	1811	1761	1872	1732	1703
By industry and construction	14640	11573	11366	12869	12668	11285
By transport	184	189	267	343	388	186
By households and other cons.	36970	40255	37158	36288	37731	41892
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	16524	17751	18855	18895	18942	19165
Combustible fuels	11048	11226	11229	10932	10855	10799
Hydro	3224	3236	3238	3389	3392	3392
Nuclear	..	..	..	..	..	..
Other	2252	3289	4388	4574	4695	4974
Main activity	15984	17229	18328	18390	18381	18597
Combustible fuels	10508	10704	10702	10427	10294	10231
Hydro	3224	3236	3238	3389	3392	3392
Nuclear	..	..	..	..	..	..
Other	2252	3289	4388	4574	4695	4974
Combustible fuel input	Terajoules					
Hard Coal	813	54	27	..	..	..
Brown Coal	320533	331017	283513	271373	226190	174176
Biogas	2366	3072	2975	2961	3138	3623
Gas-diesel oil	12943	11438	10019	10320	11137	11911
Fuel oil	37128	37774	34623	35754	35592	25816
Liquefied petroleum gas	1750	1419	189	142	..	2034
Refinery gas	9356	10692	9455	11435	16781	14850
Natural gas	111198	103109	91617	59593	61257	103888
Industrial waste	1175	625	883	868	1030	1364
Total input	497261	499200	433301	392445	355125	337662
Total production	184450	182966	154732	138190	133931	143269
Estimated efficiency (% of production to input)	37	37	36	35	38	42

Statistics on electricity

Greenland

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	452	459	473	488	520	484
Combustible fuels	114	115	95	92	97	83
Hydro	338	345	378	396	423	401
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	452	459	473	488	520	484
Combustible fuels	114	115	95	92	97	83
Hydro	338	345	378	396	423	401
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	22	7	23	12	12	1
Net production	430	452	450	476	509	483
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	94	142	132	110	110	*105
Consumption	388	384	392	406	420	410
Energy industries own use	..	..	..	..	..	..
By industry and construction	130	128	134	136	141	*135
By transport	..	..	..	..	..	..
By households and other cons.	258	257	258	270	280	275
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*174	*172	*187	187	*187	*187
Combustible fuels	*106	*96	*96	96	*96	*96
Hydro	*68	76	91	91	91	91
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*158	*156	171	171	171	171
Combustible fuels	*90	*80	*80	80	*80	*80
Hydro	*68	76	91	91	91	91
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	1407	1463	1213	1261	1441	1183
Municipal waste	91	103	117	92	98	94
Total input	1498	1566	1330	1353	1538	1277
Total production	409	413	343	330	350	299
Estimated efficiency (% of production to input)	27	26	26	24	23	23

Statistics on electricity
Grenada

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	204	200	197	200	207	219
Combustible fuels	204	200	197	200	207	219
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	204	200	197	200	207	217
Combustible fuels	204	200	197	200	207	217
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	7	7	6	6	6	12
Net production	197	193	191	194	201	207
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	16	15	15	15	17	18
Consumption	181	179	176	179	184	189
Energy industries own use	..	..	..	..	..	..
By industry and construction	6	6	6	6	6	5
By transport	..	..	..	..	..	..
By households and other cons.	175	173	170	173	178	184
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	50	49	49	49	49	49
Combustible fuels	50	49	49	49	49	49
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	50	49	49	49	49	48
Combustible fuels	50	49	49	49	49	48
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	1811	2099	2558	1642	1823	1944
Total input	1811	2099	2558	1642	1823	1944
Total production	734	719	708	720	745	787
Estimated efficiency (% of production to input)	41	34	28	44	41	40

Statistics on electricity
Guadeloupe

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	1692	1726	1729	1734	1781	1791
Combustible fuels	1543	1519	1474	1475	1523	1526
Hydro	15	14	19	27	21	34
Nuclear	..	..	..	..	..	..
Other	134	193	237	233	236	231
Main activity	1637	1664	1684	1673	1724	1742
Combustible fuels	1488	1457	1428	1414	1467	1476
Hydro	15	14	19	27	21	34
Nuclear	..	..	..	..	..	..
Other	134	193	237	233	236	231
Own use in electricity, CHP and heat plants	0	0	0	0	22	0
Net production	1692	1726	1729	1734	1759	1791
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*200	219	219	226	255	232
Consumption	*1492	1507	1511	1510	1504	*1556
Energy industries own use	..	..	..	..	..	..
By industry and construction	*70	64	66	86	85	*88
By transport	..	..	..	..	..	..
By households and other cons.	*1422	1443	1445	1424	1419	*1468
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	527	554	557	557	573	554
Combustible fuels	419	439	439	439	456	430
Hydro	8	9	9	9	9	11
Nuclear	..	..	..	..	..	..
Other	*100	106	109	109	109	113
Main activity	467	494	497	497	514	495
Combustible fuels	359	380	380	380	396	370
Hydro	8	9	9	9	9	11
Nuclear	..	..	..	..	..	..
Other	*100	106	109	109	109	113
Combustible fuel input	Terajoules					
Hard Coal	*5160	*5805	*5805	*5805	*5304	*5895
Gas-diesel oil	*2580	*1290	*1290	*1376	*968	*301
Fuel oil	*7393	*6545	*7959	*6779	*7777	*7013
Bagasse	*1274	*1390	*1506	*1622	1737	*1737
Total input	*16407	*15030	*16560	*15582	*15786	*14947
Total production	5554	5468	5305	5308	5484	5494
Estimated efficiency (% of production to input)	34	36	32	34	35	37

Statistics on electricity

Guam

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*1858	1784	1736	*1718	*1702	*1720
Combustible fuels	*1858	1784	1736	*1718	*1680	*1668
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	22	52
Main activity	*1858	1784	1736	*1718	*1702	*1720
Combustible fuels	*1858	1784	1736	*1718	*1680	*1668
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	22	52
Own use in electricity, CHP and heat plants	*112	0	86	*86	*83	65
Net production	*1746	1784	1650	*1633	*1619	*1655
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*128	214	101	*84	79	81
Consumption	1618	1564	1550	1533	1540	1574
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	1618	1564	1550	1533	1540	1574
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	552	552	552	552	498	498
Combustible fuels	552	552	552	552	472	472
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	26	26
Main activity	552	552	552	552	498	498
Combustible fuels	552	552	552	552	472	472
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	26	26
Combustible fuel input	Terajoules					
Total input	..	..	..	..	..	..
Total production	*6689	6422	6251	*6186	*6049	*6004
Estimated efficiency (% of production to input)	..	..	..	..	..	..

Statistics on electricity
Guatemala

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	8798	9337	10125	10638	11157	11789
Combustible fuels	4376	4634	5254	5531	6769	7122
Hydro	4175	4457	4659	4853	3880	3971
Nuclear	..	..	..	..	..	..
Other	246	246	212	254	508	696
Main activity	8189	8703	9270	9782	10302	10878
Combustible fuels	3790	4023	4427	4703	5942	6231
Hydro	4153	4435	4631	4825	3852	3951
Nuclear	..	..	..	..	..	..
Other	246	246	212	254	508	696
Own use in electricity, CHP and heat plants	651	632	754	855	747	868
Net production	8147	8705	9371	9783	10410	10921
Imports	511	226	267	708	585	747
Exports	193	196	588	1207	1087	1335
Losses	318	324	314	330	333	383
Consumption	7688	8409	8635	8953	9466	9907
Energy industries own use	..	..	..	..	..	..
By industry and construction	3122	3240	3093	3329	3547	3621
By transport	..	..	..	..	..	..
By households and other cons.	4566	5169	5542	5624	5919	6286
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	2510	2386	2525	2626	3139	3442
Combustible fuels	1570	1409	1537	1624	1905	1942
Hydro	891	945	955	964	1039	1306
Nuclear	..	..	..	..	..	..
Other	49	32	34	39	194	194
Main activity	2126	1952	1926	2152	2449	2737
Combustible fuels	1190	980	942	1154	1219	1241
Hydro	887	940	950	959	1035	1302
Nuclear	..	..	..	..	..	..
Other	49	32	34	39	194	194
Combustible fuel input	Terajoules					
Hard Coal	14209	16722	25198	27251	39065	45883
Gas-diesel oil	344	86	340	340	138	77
Fuel oil	16524	15716	19080	11966	13537	9328
Fuelwood	..	..	..	..	..	12
Bagasse	*72189	54524	52353	56283	55979	85152
Total input	*103266	87048	96970	95841	108719	140453
Total production	15754	16683	18914	19911	24370	25638
Estimated efficiency (% of production to input)	15	19	20	21	22	18

Statistics on electricity

Guernsey

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	85	68	289	227	157	87
Combustible fuels	85	68	289	227	157	87
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	85	68	289	227	157	87
Combustible fuels	85	68	289	227	157	87
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	85	68	289	227	157	87
Imports	309	313	111	156	218	285
Exports	..	..	..	..	..	..
Losses	*18	*18	*22	*21	*20	*20
Consumption	375	*363	*378	*362	*355	*352
Energy industries own use	..	..	..	..	..	..
By industry and construction	53	*50	*54	*51	*50	*50
By transport	..	..	..	..	..	..
By households and other cons.	322	*313	*325	*311	*304	*302
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	115	*115	*115	*115	*115	*115
Combustible fuels	115	*115	*115	*115	*115	*115
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	115	*115	*115	*115	*115	*115
Combustible fuels	115	*115	*115	*115	*115	*115
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	14	*49	*49	*49	*49	*43
Fuel oil	691	*606	*2424	*1903	*1329	*727
Total input	705	*655	*2473	*1951	*1378	*770
Total production	305	245	1040	818	565	315
Estimated efficiency (% of production to input)	43	37	42	42	41	41

Statistics on electricity

Guinea

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	554	728	654	712	1118	1596
Combustible fuels	140	238	172	287	238	512
Hydro	414	491	482	426	881	1084
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	548	728	627	552	945	1117
Combustible fuels	134	238	144	126	64	34
Hydro	414	491	482	426	881	1084
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	10	15	10	10	15	20
Net production	544	713	644	702	1103	1576
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*92	*109	*103	*107	*130	*160
Consumption	*454	*604	*541	*596	*966	*1405
Energy industries own use	..	..	..	..	..	..
By industry and construction	*145	*239	*197	*241	*450	*655
By transport	..	..	..	..	..	..
By households and other cons.	*309	*365	*344	*355	*516	*751
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	257	266	390	279	548	593
Combustible fuels	129	139	263	153	180	226
Hydro	128	128	127	125	367	367
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	205	214	338	227	496	444
Combustible fuels	77	87	211	101	128	77
Hydro	128	128	127	125	367	367
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	0	*1505	*860	*1806	*1290	*1720
Fuel oil	*1616	*1091	*1010	*1212	*1212	*3232
Total input	*1616	*2596	*1870	*3018	*2502	*4952
Total production	504	855	619	1032	855	1842
Estimated efficiency (% of production to input)	31	33	33	34	34	37

Statistics on electricity
Guinea-Bissau

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*33	*34	*35	*35	*36	*38
Combustible fuels	*33	*34	*35	*35	*36	*38
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*26	*26	*27	*27	*28	*30
Combustible fuels	*26	*26	*27	*27	*28	*30
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	*33	*34	*35	*35	*36	*38
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	..	..	..	..	..	..
Consumption	*33	*34	*35	*35	*36	*38
Energy industries own use	..	..	..	..	..	..
By industry and construction	*19	*20	*20	*20	*21	*22
By transport	..	..	..	..	..	..
By households and other cons.	*14	*15	*15	*15	*15	*16
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*27	*27	*27	*28	*28	*28
Combustible fuels	*27	*27	*27	*28	*28	*28
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*25	*25	*25	*26	*26	*26
Combustible fuels	*25	*25	*25	*26	*26	*26
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	*344	357	*366	*387	*396	*413
Total input	*344	357	*366	*387	*396	*413
Total production	*119	*123	*127	*127	*131	*136
Estimated efficiency (% of production to input)	35	35	35	33	33	33

Statistics on electricity
Guyana

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	910	942	962	979	1039	1081
Combustible fuels	910	942	962	979	1039	1081
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	605	658	660	778	749	789
Combustible fuels	605	658	660	778	749	789
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	130	128	28	29	30	31
Net production	780	815	934	951	1009	1050
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	263	242	230	215	219	224
Consumption	502	526	704	736	790	826
Energy industries own use	..	..	..	..	..	..
By industry and construction	153	158	235	306	307	321
By transport	..	..	..	..	..	..
By households and other cons.	348	368	469	430	483	505
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	349	363	382	380	380	400
Combustible fuels	349	363	382	380	380	400
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	129	135	143	145	145	152
Combustible fuels	129	135	143	145	145	152
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	3840	2911	3178	2884	2532	2635
Fuel oil	5979	6832	7329	7280	7502	8118
Bagasse	279	425	513	480	621	448
Total input	10098	10167	11019	10643	10655	11200
Total production	3277	3393	3464	3526	3741	3892
Estimated efficiency (% of production to input)	32	33	31	33	35	35

Statistics on electricity

Haiti

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	718	1100	1055	1033	1038	1084
Combustible fuels	597	879	914	943	955	1013
Hydro	121	221	141	90	83	71
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	687	1052	1005	943	831	874
Combustible fuels	566	831	864	853	748	803
Hydro	121	221	141	90	83	71
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	59	28	19	11	17	17
Net production	659	1072	1036	1022	1021	1067
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	627	627	599	621	608	617
Consumption	235	493	456	410	411	417
Energy industries own use	..	..	..	..	..	..
By industry and construction	83	194	171	184	184	187
By transport	..	..	..	..	..	..
By households and other cons.	152	299	285	226	227	230
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	267	268	*340	*321	*333	*336
Combustible fuels	207	207	*262	*259	*271	*274
Hydro	61	61	77	61	61	61
Nuclear	..	..	..	..	..	..
Other	..	1	1	1	1	1
Main activity	193	194	*246	*228	*237	*240
Combustible fuels	133	133	*168	*166	*175	*178
Hydro	61	61	77	61	61	61
Nuclear	..	..	..	..	..	..
Other	..	1	1	1	1	1
Combustible fuel input	Terajoules					
Gas-diesel oil	2881	6880	6149	5504	8127	8213
Fuel oil	808	2262	2666	5171	4404	4484
Total input	3689	9142	8815	10675	12531	12697
Total production	2149	3164	3290	3395	3438	3647
Estimated efficiency (% of production to input)	58	35	37	32	27	29

Statistics on electricity
Honduras

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	7347	7378	7499	8398	8965	8783
Combustible fuels	4415	4253	4450	5398	5543	4978
Hydro	2815	2787	2739	2602	2340	2350
Nuclear	..	..	..	..	..	..
Other	117	338	310	398	1082	1455
Main activity	7170	7234	7309	8120	8487	8209
Combustible fuels	4238	4109	4260	5120	5065	4404
Hydro	2815	2787	2739	2602	2340	2350
Nuclear	..	..	..	..	..	..
Other	117	338	310	398	1082	1455
Own use in electricity, CHP and heat plants	14	15	13	15	16	16
Net production	7333	7363	7486	8383	8949	8767
Imports	171	154	268	827	679	195
Exports	127	79	156	505	536	..
Losses	1928	1927	1902	1411	1295	1476
Consumption	5449	5511	5696	7310	7814	7059
Energy industries own use	..	..	..	..	..	..
By industry and construction	1590	1627	1683	1837	2112	1908
By transport	..	..	..	..	..	..
By households and other cons.	3859	3884	4013	5473	5702	5151
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	1701	1783	1743	1897	2250	2439
Combustible fuels	1068	1143	1083	1121	1078	1185
Hydro	531	538	558	624	632	670
Nuclear	..	..	..	..	..	..
Other	102	102	102	152	540	584
Main activity	1594	1645	1619	1755	2081	2229
Combustible fuels	961	1005	959	979	909	975
Hydro	531	538	558	624	632	670
Nuclear	..	..	..	..	..	..
Other	102	102	102	152	540	584
Combustible fuel input	Terajoules					
Hard Coal	1006	671	1084	1264	929	2193
Gas-diesel oil	1849	1849	2107	1161	1505	1634
Fuel oil	33047	33047	36158	39471	42339	39632
Fuelwood	2939	4929	4788	3298	7030	7347
Total input	38841	40496	44136	45194	51803	50807
Total production	15894	15311	16020	19433	19955	17921
Estimated efficiency (% of production to input)	41	38	36	43	39	35

Statistics on electricity

Hungary

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	36019	34635	30294	29392	30342	31859
Combustible fuels	19485	17851	13936	12674	13395	14583
Hydro	222	213	213	301	234	259
Nuclear	15685	15793	15370	15649	15834	16054
Other	627	778	775	768	879	963
Main activity	35323	34119	29679	28737	29553	30860
Combustible fuels	18790	17343	13378	12130	12792	13863
Hydro	222	213	213	301	234	259
Nuclear	15685	15793	15370	15649	15834	16054
Other	626	770	718	657	693	684
Own use in electricity, CHP and heat plants	2486	2284	2263	2261	2210	2353
Net production	33533	32351	28031	27131	28132	29506
Imports	14664	16970	16635	19079	19935	17951
Exports	8021	9003	4758	5689	6249	5240
Losses	3784	3684	3663	3631	3695	3566
Consumption	36358	36400	36241	35899	37439	38228
Energy industries own use	1818	1396	1368	1162	1148	1110
By industry and construction	9878	14802	14840	14696	15403	15963
By transport	1117	983	1227	1156	1171	1177
By households and other cons.	23545	19219	18806	18885	19717	19978
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	9654	9400	8418	8655	8636	8750
Combustible fuels	7264	7007	5987	6179	6068	6107
Hydro	55	56	57	57	57	57
Nuclear	2000	2000	2000	2000	2000	2000
Other	335	337	374	419	511	586
Main activity	9483	9287	8217	8393	8242	8264
Combustible fuels	7097	6906	5831	6007	5856	5878
Hydro	55	56	57	57	57	57
Nuclear	2000	2000	2000	2000	2000	2000
Other	331	325	329	329	329	329
Combustible fuel input	Terajoules					
Hard Coal	718	160	0	29	0	2989
Brown Coal	71632	70166	68609	64078	63146	60077
Biogas	1931	1608	2269	2113	2202	2529
Fuel oil	646	929	566	525	444	404
Natural gas	106501	92291	57584	44671	49177	59535
Coke-oven gas	1895	2162	1596	1786	1284	2021
Blast furnace gas	3038	2975	1246	2141	2894	2130
Fuelwood	*19982	*16471	*17663	*21531	*21071	*19129
Municipal waste	4030	3842	3923	4096	4827	5194
Industrial waste	578	341	296	398	807	1782
Others	892	1298	262	305	354	305
Total input	211844	192243	154014	141674	146207	156094
Total production	70146	64264	50170	45626	48222	52499
Estimated efficiency (% of production to input)	33	33	33	32	33	34

Statistics on electricity

Iceland

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	17211	17549	18116	18123	18799	18550
Combustible fuels	2	3	5	3	4	3
Hydro	12507	12337	12863	12873	13781	13470
Nuclear	..	..	..	..	..	..
Other	4702	5209	5248	5247	5014	5077
Main activity	17211	17549	18116	18123	18799	18550
Combustible fuels	2	3	5	3	4	3
Hydro	12507	12337	12863	12873	13781	13470
Nuclear	..	..	..	..	..	..
Other	4702	5209	5248	5247	5014	5077
Own use in electricity, CHP and heat plants	360	253	116	320	241	378
Net production	16851	17296	18000	17803	18558	18172
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	503	486	374	498	576	489
Consumption	16152	16523	16989	17009	17665	17479
Energy industries own use	142	166	166	179	195	176
By industry and construction	13868	14201	14678	14682	15129	14840
By transport	0	1	2	4	19	61
By households and other cons.	2142	2155	2143	2144	2322	2402
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	2669	2656	2765	2766	2772	2772
Combustible fuels	120	114	114	114	117	117
Hydro	1884	1877	1984	1984	1987	1987
Nuclear	..	..	..	..	..	..
Other	665	665	667	668	668	668
Main activity	2669	2656	2765	2766	2772	2772
Combustible fuels	120	114	114	114	117	117
Hydro	1884	1877	1984	1984	1987	1987
Nuclear	..	..	..	..	..	..
Other	665	665	667	668	668	668
Combustible fuel input	Terajoules					
Biogas	0	0	0	0	0	..
Gas-diesel oil	43	43	86	86	86	86
Municipal waste	0	0	0	0	0	0
Total input	43	43	86	86	86	86
Total production	7	11	18	11	14	11
Estimated efficiency (% of production to input)	17	25	21	13	17	13

Statistics on electricity

India

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	973006	1035264	1193480	1308873	1354382	1432358
Combustible fuels	813625	860173	980599	1111341	1158338	1188280
Hydro	103741	113855	141637	129353	121546	122507
Nuclear	32287	32871	34228	36102	37414	37916
Other	23353	28365	37016	32077	37084	83655
Main activity	844605	906863	1002743	1146816	1135434	1233926
Combustible fuels	685453	732001	792477	951504	943013	993516
Hydro	103512	113626	141508	129244	121377	122378
Nuclear	32287	32871	34228	36102	37414	37916
Other	23353	28365	34530	29966	33630	80116
Own use in electricity, CHP and heat plants	57238	*57238	81588	29966	79302	0
Net production	915768	978026	1111892	1278907	1275080	1432358
Imports	8441	5152	5598	4998	5244	5617
Exports	..	..	..	..	..	6710
Losses	185193	185306	220257	*241550	240864	248834
Consumption	772603	785130	897233	955927	1034374	1071213
Energy industries own use	..	..	7178	*7600	*5294	*4945
By industry and construction	346469	352291	374278	*418346	*451412	426665
By transport	14327	14206	15447	16177	16594	17217
By households and other cons.	411807	418633	500330	513804	561074	622386
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	252471	278275	*294873	*316379	287130	377122
Combustible fuels	192556	215522	*226449	*241396	210430	267129
Hydro	39051	39552	*40061	*40061	40333	44586
Nuclear	4780	4780	4780	5780	5780	6780
Other	16084	18421	*23583	29142	*30587	58627
Main activity	215961	241765	*256786	*271722	205114	324844
Combustible fuels	156107	179073	*190000	*198745	130475	218330
Hydro	38990	39491	*40000	*40000	40272	44532
Nuclear	4780	4780	4780	5780	5780	6780
Other	16084	18421	*22006	27197	*28587	55202
Combustible fuel input	Terajoules					
Hard Coal	8176582	8841855	8249905	8625865	9353251	9407701
Brown Coal	306073	356142	*346863	376809	360925	665019
Gas-diesel oil	7224	9202	290293	*281048	9632	16426
Fuel oil	26139	*19554	34906	84234	19432	15231
Liquefied petroleum gas	..	..	142	142	142	95
Naphtha	8322	15219	9568	8856	2225	2670
Natural gas	737965	501381	642401	418305	*634158	654623
Coke-oven gas	20317	23260	25477	*21800	*29689	*34422
Fuelwood	*189684	*221496	*275463	*222700	*225409	*749011
Vegetal waste	*189684	*221496	*225681	*327716	*349703	*231629
Total input	9661990	10209605	10100698	10367474	10984566	11776826
Total production	2929050	3096623	3530156	4000828	4170017	4277808
Estimated efficiency (% of production to input)	30	30	35	39	38	36

Statistics on electricity

Indonesia

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	182389	196181	222017	234549	267287	233355
Combustible fuels	160593	173957	192591	199993	240698	201209
Hydro	12419	12799	15710	18800	17595	21475
Nuclear	..	..	..	..	..	..
Other	9377	9425	13717	15756	8995	10671
Main activity	148622	155615	169254	175297	157027	166458
Combustible fuels	128934	135670	146602	150478	142227	148606
Hydro	10316	10525	13014	14816	10005	13885
Nuclear	..	..	..	..	..	..
Other	9372	9420	9638	10003	4796	3967
Own use in electricity, CHP and heat plants	6887	5791	10842	10012	12838	9900
Net production	175502	190390	211175	224537	254449	223455
Imports	3	2	3	9	13	1
Exports	..	..	..	..	..	..
Losses	16672	17847	20701	22006	22057	22706
Consumption	159867	173991	196967	198355	212767	215781
Energy industries own use	..	..	..	..	..	..
By industry and construction	54725	60176	72153	65909	72541	68145
By transport	88	108	129	155	257	..
By households and other cons.	105054	113707	124685	132291	139969	147636
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	47756	53125	55563	60937	73696	59033
Combustible fuels	42163	46603	48875	53692	65967	52622
Hydro	4406	5067	5191	5655	6186	4868
Nuclear	..	..	..	..	..	..
Other	1186	1454	1497	1590	1543	*1543
Main activity	40832	45023	46427	51651	55394	39980
Combustible fuels	35743	39020	40441	45258	48967	35622
Hydro	3906	4552	4491	4805	4886	3568
Nuclear	..	..	..	..	..	..
Other	1182	1450	1495	1588	1541	790
Combustible fuel input	Terajoules					
Hard Coal	1156713	1364290	1562018	1711643	1850002	1854221
Motor gasoline	..	..	..	..	7664	7752
Gas-diesel oil	335615	322113	258129	253528	155316	130333
Fuel oil	95869	60600	44521	24725	20200	21129
Natural gas	383947	479651	533975	509724	777817	452991
Fuelwood	*3006	*2592	*4104	*3708	*4111	*10512
Charcoal	..	..	2183	..	266	..
Total input	1975150	2229246	2404930	2503328	2815375	2476939
Total production	578135	626245	693326	719976	866513	724352
Estimated efficiency (% of production to input)	29	28	29	29	31	29

Statistics on electricity
Iran (Islamic Rep. of)

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	240052	254276	262434	274437	280633	289094
Combustible fuels	227428	239752	242909	255870	263393	265799
Hydro	12058	12447	14582	13862	14090	16421
Nuclear	327	1847	4546	4472	2914	6620
Other	239	230	397	233	236	254
Main activity	230216	243536	255885	268167	274193	282612
Combustible fuels	217592	229012	236360	249600	256953	259317
Hydro	12058	12447	14582	13862	14090	16421
Nuclear	327	1847	4546	4472	2914	6620
Other	239	230	397	233	236	254
Own use in electricity, CHP and heat plants	8482	8558	9137	8717	8130	8842
Net production	231570	245718	253297	265720	272503	280252
Imports	3656	3897	3707	3772	4148	4221
Exports	8668	11029	11586	9660	6822	6688
Losses	34906	36794	38049	34610	33818	33513
Consumption	191698	201793	208298	224225	235735	243730
Energy industries own use	2240	2391	2705	2797	2915	2775
By industry and construction	69143	71989	72852	75689	77186	80680
By transport	354	371	286	380	549	436
By households and other cons.	119961	127041	132455	145359	155085	159839
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	65222	68894	70236	73148	74185	74104
Combustible fuels	55351	58015	58833	61174	61632	61262
Hydro	8746	9746	10266	10789	11354	11578
Nuclear	1020	1020	1020	1020	1020	1020
Other	105	113	117	166	179	244
Main activity	60088	63313	64655	67568	68604	68523
Combustible fuels	50217	52434	53252	55593	56051	55681
Hydro	8746	9746	10266	10789	11354	11578
Nuclear	1020	1020	1020	1020	1020	1020
Other	105	113	117	166	179	244
Combustible fuel input	Terajoules					
Biogas	127	127	127	127	127	282
Gas-diesel oil	352009	290708	290783	332024	227649	212721
Fuel oil	461128	554397	585589	394140	266494	171054
Other kerosene	..	..	..	..	..	44
Natural gas	1517956	1587843	1430042	1957762	2279763	2431484
Coke-oven gas	0	0	35	186	88	183
Blast furnace gas	8480	7980	9088	10284	9064	6845
Total input	2339699	2441055	2315664	2694523	2783185	2822612
Total production	818741	863107	874472	921132	948215	956876
Estimated efficiency (% of production to input)	35	35	38	34	34	34

Statistics on electricity

Iraq

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	54240	46018	58422	67768	*68688	80030
Combustible fuels	50100	41626	53665	64837	*66116	76659
Hydro	4140	4392	4757	2931	*2572	3371
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	54240	46018	58422	67768	*68688	80030
Combustible fuels	50100	41626	53665	64837	*66116	76659
Hydro	4140	4392	4757	2931	*2572	3371
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	0	1373	2310	1713	*920	2023
Net production	54240	44645	56112	66055	*67768	78007
Imports	7262	10170	12202	12251	13104	11965
Exports	..	..	..	..	..	..
Losses	18854	19797	23285	34312	31967	48958
Consumption	42648	35076	45042	43993	42035	38733
Energy industries own use	..	..	..	..	..	..
By industry and construction	8743	8244	9867	10071	*8665	5180
By transport	..	..	..	..	..	..
By households and other cons.	33905	26832	35175	33922	33370	33553
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	16952	16952	27110	25589	31111	32177
Combustible fuels	14439	14439	24597	23076	28598	29664
Hydro	2513	2513	2513	2513	2513	2513
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	16952	16952	27110	25589	31111	32177
Combustible fuels	14439	14439	24597	23076	28598	29664
Hydro	2513	2513	2513	2513	2513	2513
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Crude oil	132780	125039	191788	283114	348044	380489
Gas-diesel oil	217623	289089	333508	426345	359738	360340
Fuel oil	195092	282396	289506	229674	201071	233795
Naphtha	0	0	0	0	0	..
Natural gas	221803	126599	152218	183234	207313	225878
Total input	767297	823123	967021	1122367	1116166	1200501
Total production	180360	149854	193194	233413	*238018	275972
Estimated efficiency (% of production to input)	24	18	20	21	21	23

Statistics on electricity

Ireland

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	27165	27354	25920	26087	28387	30418
Combustible fuels	22077	22329	20433	19958	20717	23292
Hydro	707	1014	944	988	1095	973
Nuclear	..	..	..	..	..	..
Other	4381	4011	4543	5141	6575	6153
Main activity	25201	25228	23864	24014	26227	28318
Combustible fuels	20114	20204	18378	17886	18559	21196
Hydro	707	1014	944	988	1095	973
Nuclear	..	..	..	..	..	..
Other	4380	4010	4542	5140	6573	6149
Own use in electricity, CHP and heat plants	800	876	803	776	771	824
Net production	26365	26478	25117	25311	27616	29594
Imports	732	784	2625	2853	1752	871
Exports	242	370	383	704	1079	1583
Losses	2028	2003	2017	2028	2084	2136
Consumption	25086	24734	24991	24815	25728	26221
Energy industries own use	215	570	789	678	656	647
By industry and construction	9484	9161	9287	9396	9844	10143
By transport	45	46	43	40	43	49
By households and other cons.	15342	14957	14872	14701	15185	15382
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	8296	8589	8798	9084	9557	9945
Combustible fuels	6427	6295	6327	6342	6586	6583
Hydro	237	529	529	529	529	529
Nuclear	..	..	..	..	..	..
Other	1632	1765	1942	2213	2442	2833
Main activity	7968	8256	8460	8740	9211	9595
Combustible fuels	6100	5963	5990	6000	6242	6239
Hydro	237	529	529	529	529	529
Nuclear	..	..	..	..	..	..
Other	1631	1764	1941	2211	2440	2827
Combustible fuel input	Terajoules					
Hard Coal	39836	49285	42334	40473	48423	46439
Peat	21937	28176	22070	24120	24635	23893
Biogas	2014	1974	1764	1846	1917	1952
Gas-diesel oil	344	301	172	301	774	473
Fuel oil	1697	1656	1414	1980	2424	2182
Liquefied petroleum gas	..	..	47	..	47	47
Refinery gas	248	347	198	198	396	198
Natural gas	115994	105362	97403	91594	88178	108340
Fuelwood	*1276	*1718	*2141	*2437	*1804	*3675
Municipal waste	..	1799	2044	2096	2120	2132
Total input	183345	190619	169587	165045	170718	189331
Total production	79477	80384	73559	71849	74581	83851
Estimated efficiency (% of production to input)	43	42	43	44	44	44

Statistics on electricity

Isle of Man

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	348	207	341	349	323	303
Combustible fuels	345	204	338	346	320	300
Hydro	*3	*3	*3	*3	*3	*3
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	348	207	341	349	323	303
Combustible fuels	345	204	338	346	320	300
Hydro	*3	*3	*3	*3	*3	*3
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	348	207	341	349	323	303
Imports	41	180	58	42	63	65
Exports	..	..	*30	*30	*35	*16
Losses	47	47	21	17	9	*15
Consumption	377	381	373	368	367	362
Energy industries own use	..	..	..	..	..	..
By industry and construction	133	134	137	137	141	139
By transport	..	..	..	..	..	..
By households and other cons.	244	247	236	231	226	223
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	180	180	186	186	186	176
Combustible fuels	179	179	185	185	185	175
Hydro	1	1	1	1	1	1
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	180	180	186	186	186	176
Combustible fuels	179	179	185	185	185	175
Hydro	1	1	1	1	1	1
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Fuel oil	96	66	149	81	108	105
Natural gas	3375	1918	3317	3587	3165	3668
Municipal waste	*571	*561	*570	*540	*517	*522
Total input	4041	2545	4036	4207	3790	4295
Total production	1242	734	1217	1246	1152	1080
Estimated efficiency (% of production to input)	31	29	30	30	30	25

Statistics on electricity
Israel

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	59679	63003	61322	60813	64226	66976
Combustible fuels	59371	62595	60794	59954	63080	65432
Hydro	29	33	28	13	24	..
Nuclear	..	..	..	..	..	..
Other	279	375	500	846	1122	1544
Main activity	57855	61488	59026	57478	60483	62907
Combustible fuels	57819	61453	58997	57464	60461	62907
Hydro	24	29	23	8	15	..
Nuclear	..	..	..	..	..	..
Other	12	6	6	6	7	..
Own use in electricity, CHP and heat plants	4962	5252	2140	1989	1928	2004
Net production	54717	57751	59182	58824	62298	64972
Imports	..	..	..	..	..	..
Exports	4222	4434	4675	4844	5197	5553
Losses	1640	1736	2567	1738	2472	2535
Consumption	49512	52223	52118	52201	55142	56964
Energy industries own use	556	419	478	883	769	755
By industry and construction	12015	12448	13181	15211	13441	14933
By transport	..	..	..	..	..	..
By households and other cons.	36941	39356	38459	36107	40932	41276
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	13990	14413	14985	16220	17221	17585
Combustible fuels	13662	14163	14491	15526	16466	16689
Hydro	7	7	7	7	7	7
Nuclear	..	..	..	..	..	..
Other	321	243	487	687	748	889
Main activity	13305	13746	14091	15075	15986	16198
Combustible fuels	13269	13735	14080	15064	15975	16166
Hydro	5	5	5	5	5	5
Nuclear	..	..	..	..	..	..
Other	31	6	6	6	6	27
Combustible fuel input	Terajoules					
Hard Coal	312358	351341	289694	273447	266209	227233
Brown Coal	3359	3199	3573	0	0	0
Biogas	391	777	353	593	559	795
Oil shale	1219	1240	1671	1572	1667	1679
Gas-diesel oil	27133	83893	13244	731	4042	2279
Fuel oil	13615	46339	6828	525	808	848
Other oil products	26009	24160	1930	1568	..	..
Natural gas	171628	76692	223101	245137	262263	317669
Fuelwood	*411	0	0	0	0	0
Total input	556124	587641	540393	523573	535548	550504
Total production	213736	225342	218858	215834	227088	235555
Estimated efficiency (% of production to input)	38	38	40	41	42	43

Statistics on electricity

Italy

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	302582	299277	289807	279827	282994	289768
Combustible fuels	227711	216811	192237	175510	191458	198693
Hydro	47757	43854	54672	60256	46970	44257
Nuclear	..	..	..	..	..	..
Other	27114	38612	42898	44061	44566	46818
Main activity	279019	283220	273734	264085	263912	271301
Combustible fuels	205528	201786	177113	160761	173249	181006
Hydro	46889	43281	54045	59518	46361	43695
Nuclear	..	..	..	..	..	..
Other	26602	38153	42576	43806	44302	46600
Own use in electricity, CHP and heat plants	11141	11475	10974	10679	10566	10065
Net production	291441	287802	278833	269148	272428	279703
Imports	47519	45407	44338	46747	50849	43181
Exports	1787	2304	2200	3031	4471	6154
Losses	20848	21000	21187	19451	19717	18753
Consumption	316330	309911	299784	293414	299089	297977
Energy industries own use	14502	13169	12386	11916	11606	11950
By industry and construction	128076	120323	114981	112918	112665	113257
By transport	10793	10759	10775	10463	10856	11162
By households and other cons.	162959	165660	161642	158117	163962	161608
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	118801	124599	124515	121747	116964	114162
Combustible fuels	75977	76793	74733	71272	65617	62096
Hydro	21737	21880	22009	22098	22220	22298
Nuclear	..	..	..	..	..	..
Other	21087	25926	27773	28377	29127	29768
Main activity	113025	120404	120213	117673	111706	109328
Combustible fuels	70501	72852	70664	67419	60575	57438
Hydro	21568	21752	21890	21979	22099	22181
Nuclear	..	..	..	..	..	..
Other	20956	25800	27659	28275	29032	29709
Combustible fuel input	Terajoules					
Hard Coal	455418	482749	427786	408150	414451	342425
Biogas	46073	47476	74133	80223	76475	76651
Fuel oil	68034	51510	41006	32401	37532	20281
Refinery gas	37472	36927	32274	26978	28958	31581
Other oil products	148619	139534	105163	106811	118188	125022
Natural gas	1225420	1112248	938888	829412	947225	1057652
Blast furnace gas	34635	31494	23404	25051	15672	23686
Fuelwood	*55439	*59714	*78399	*82397	*70047	*73136
Municipal waste	70588	67560	69302	71882	70840	72908
Other liquid biofuels	16276	18796	22632	26386	29400	28277
Others	47806	49598	34860	29970	26071	17982
Total input	2205780	2097606	1847848	1719661	1834857	1869601
Total production	819760	780520	692053	631836	689249	715295
Estimated efficiency (% of production to input)	37	37	37	37	38	38

Statistics on electricity
Jamaica

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	4171	4156	4256	4123	4122	4230
Combustible fuels	3926	3898	4017	3869	3868	3908
Hydro	152	151	124	135	129	119
Nuclear	..	..	..	..	..	..
Other	92	108	115	119	125	203
Main activity	2760	2615	2343	2462	2293	2262
Combustible fuels	2607	2464	2218	2327	2164	2130
Hydro	152	151	124	135	129	119
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	13
Own use in electricity, CHP and heat plants	36	44	115	12	27	27
Net production	4135	4113	4141	4111	4095	4203
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	962	1033	1097	1103	1137	1160
Consumption	3176	3081	*3039	*3008	3035	3124
Energy industries own use	..	..	..	..	..	..
By industry and construction	1020	989	*984	*958	1484	1517
By transport	..	..	..	..	..	..
By households and other cons.	2156	2092	*2055	*2050	1551	1607
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	840	912	938	945	*962	*1052
Combustible fuels	776	848	874	874	*890	*892
Hydro	23	23	23	29	30	30
Nuclear	..	..	..	..	..	..
Other	42	42	42	42	42	130
Main activity	611	611	637	644	*661	*679
Combustible fuels	586	586	612	612	*628	*618
Hydro	23	23	23	29	30	30
Nuclear	..	..	..	..	..	..
Other	3	3	3	3	*3	31
Combustible fuel input	Terajoules					
Gas-diesel oil	10226	9779	7860	8110	7783	9460
Fuel oil	29143	26281	26433	24433	26947	26906
Bagasse	..	..	..	..	*761	*958
Total input	39369	36060	34294	32543	35490	37325
Total production	14135	14031	14461	13928	13925	14069
Estimated efficiency (% of production to input)	36	39	42	43	39	38

Statistics on electricity

Japan

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	1063987	1052416	1073255	1052579	1046944	1057976
Combustible fuels	836692	917291	936051	913159	881996	873973
Hydro	91709	83645	84886	86942	91270	85083
Nuclear	101761	15939	9303	0	9437	18060
Other	33825	35541	43015	52478	64241	80860
Main activity	908012	890995	887612	853431	822831	879078
Combustible fuels	729134	804983	807060	780634	736043	768939
Hydro	74378	67360	68564	70255	74801	81810
Nuclear	101761	15939	9303	0	9437	18060
Other	2739	2713	2685	2542	2550	10269
Own use in electricity, CHP and heat plants	37851	40738	37378	33797	31057	31057
Net production	1026136	1011678	1035877	1018782	1015887	1026919
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	46834	43244	47518	43334	40587	45653
Consumption	978900	975995	996562	978502	971898	989862
Energy industries own use	23170	23651	21797	18252	19510	22513
By industry and construction	339023	337438	346576	340162	337348	344716
By transport	17757	17675	17721	17604	17604	17604
By households and other cons.	598950	597231	610468	602484	597436	605029
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	293575	296730	304289	317125	323917	335636
Combustible fuels	188327	191942	194337	196664	194361	198225
Hydro	48418	48934	48932	49597	50034	50117
Nuclear	48960	46148	44264	44264	42048	41482
Other	7870	9706	16756	26600	37474	45812
Main activity	229908	231220	231467	234028	231484	274454
Combustible fuels	136132	139795	141901	143777	143040	174392
Hydro	44168	44652	44676	45403	45786	49521
Nuclear	48960	46148	44264	44264	42048	41482
Other	648	625	626	584	610	9059
Combustible fuel input	Terajoules					
Hard Coal	2300085	2463587	2794265	2767861	2765304	2828897
Crude oil	418389	487381	418685	244621	206128	100843
Fuel oil	635088	782023	613918	466862	365337	312373
Refinery gas	74844	76329	98406	102465	119840	141273
Natural gas	3160581	3338260	3400829	3480690	3273270	3458845
Blast furnace gas	190388	203391	210199	233959	224408	198005
Fuelwood	*37865	*29968	*38462	*38855	*44564	*66681
Vegetal waste	*116418	*123311	*129642	*128546	*142507	*68495
Industrial waste	14114	22728	38260	54060	82293	129869
Black liquor	*77620	*87230	*90572	*93282	*86328	*86328
Others	299676	321226	290378	261156	256858	262804
Total input	7325068	7935433	8123617	7872358	7566837	7654413
Total production	3012091	3302248	3369784	3287372	3175186	3146303
Estimated efficiency (% of production to input)	41	42	41	42	42	41

Statistics on electricity

Jersey

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	40	114	157	108	48	70
Combustible fuels	40	114	157	108	48	70
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	7	71	123	71	7	24
Combustible fuels	7	71	123	71	7	24
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	40	114	157	108	48	70
Imports	657	601	568	566	625	614
Exports	..	..	..	..	..	..
Losses	65	68	71	60	52	47
Consumption	635	646	656	615	622	637
Energy industries own use	..	..	..	..	..	..
By industry and construction	260	255	256	253	242	*249
By transport	..	..	..	..	..	..
By households and other cons.	375	391	400	362	380	387
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*219	*219	*240	*240	*253	*253
Combustible fuels	*219	*219	*240	*240	*253	*253
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*212	*212	*212	*212	*225	*225
Combustible fuels	*212	*212	*212	*212	*225	*225
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	108	886	1428	744	103	259
Municipal waste	*592	*780	*616	*658	*732	*813
Total input	*700	1666	2044	1402	*835	*1072
Total production	144	412	564	388	173	250
Estimated efficiency (% of production to input)	21	25	28	28	21	23

Statistics on electricity

Jordan

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	14647	16596	17263	18270	19012	19730
Combustible fuels	14589	16532	17205	18210	18834	18803
Hydro	55	61	55	58	53	41
Nuclear	..	..	..	..	..	..
Other	3	3	3	2	125	886
Main activity	14390	16355	16977	17887	18540	19172
Combustible fuels	14332	16291	16919	17827	18363	18245
Hydro	55	61	55	58	53	41
Nuclear	..	..	..	..	..	..
Other	3	3	3	2	125	886
Own use in electricity, CHP and heat plants	616	619	616	632	651	777
Net production	14031	15977	16647	17638	18361	18953
Imports	1738	784	381	435	1768	977
Exports	86	104	59	64	145	133
Losses	2148	2383	2406	2569	2696	2690
Consumption	13599	14352	14571	15419	16633	16909
Energy industries own use	103	107	99	98	105	105
By industry and construction	3446	3431	3425	3780	3823	4074
By transport	..	..	..	..	..	..
By households and other cons.	10050	10814	11047	11541	12705	12730
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	3511	3511	3385	4199	4455	4825
Combustible fuels	3498	3498	3372	4186	4320	4326
Hydro	12	12	12	12	12	12
Nuclear	..	..	..	..	..	..
Other	1	1	1	1	123	487
Main activity	3312	3312	3186	4000	4256	4626
Combustible fuels	3299	3299	3173	3987	4121	4127
Hydro	12	12	12	12	12	12
Nuclear	..	..	..	..	..	..
Other	1	1	1	1	123	487
Combustible fuel input	Terajoules					
Biogas	96	72	72	72	90	100
Gas-diesel oil	40755	64999	58961	70258	24079	569
Fuel oil	52354	54649	53887	69561	63227	15473
Natural gas	40598	30652	37961	*12590	81400	141902
Total input	133804	150372	150881	152480	168797	158044
Total production	52520	59515	61938	65556	67803	67691
Estimated efficiency (% of production to input)	39	40	41	43	40	43

Statistics on electricity
Kazakhstan

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	86586	92817	103086	105068	106468	106626
Combustible fuels	78703	85177	95349	96791	97020	94644
Hydro	7883	7637	7731	8263	9269	11620
Nuclear	..	..	..	..	..	..
Other	..	3	6	14	179	362
Main activity	86586	92817	103085	105067	106467	106625
Combustible fuels	78703	85177	95349	96791	97020	94644
Hydro	7883	7637	7731	8263	9269	11620
Nuclear	..	..	..	..	..	..
Other	..	3	5	13	178	361
Own use in electricity, CHP and heat plants	10165	11867	17337	19778	25201	23968
Net production	76421	80950	85749	85290	81267	82658
Imports	3406	4252	2147	1749	1618	1319
Exports	1809	2933	2996	2917	1614	2572
Losses	6479	7142	11174	7082	5181	5342
Consumption	71296	75362	73338	76676	76407	*76064
Energy industries own use	6544	7114	7611	7776	8209	*10166
By industry and construction	44372	49162	44280	45529	45110	*44244
By transport	3945	3352	2960	2511	3573	*3245
By households and other cons.	16435	15734	18487	20860	19515	18409
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*20217	*21219	*22222	*25011	*25149	*25223
Combustible fuels	*18000	*19000	*20000	*22500	*22500	*22500
Hydro	*2217	*2217	*2217	*2500	*2500	*2500
Nuclear	..	..	..	..	..	..
Other	..	*2	*5	*11	*149	*223
Main activity	*20217	*21219	*22221	*25010	*25148	*25222
Combustible fuels	*18000	*19000	*20000	*22500	*22500	*22500
Hydro	*2217	*2217	*2217	*2500	*2500	*2500
Nuclear	..	..	..	..	..	..
Other	..	*2	*4	*10	*148	*222
Combustible fuel input	Terajoules					
Hard Coal	769012	817322	874273	877729	783691	806694
Brown Coal	24648	8924	615	630	542	6011
Fuel oil	6585	7838	7151	12201	18463	23028
Natural gas	90739	171672	194836	233178	225843	257658
Total input	890984	1005756	1076875	1123738	1028539	1093391
Total production	283331	306637	343256	348448	349272	340718
Estimated efficiency (% of production to input)	32	30	32	31	34	31

Statistics on electricity
Kenya

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	7560	7852	8448	9139	9515	9971
Combustible fuels	2882	2305	2218	2635	1462	1471
Hydro	3217	4016	4435	3569	*3472	3960
Nuclear	..	..	..	..	..	..
Other	1461	1530	1796	2934	4580	4541
Main activity	7560	7852	8448	9139	9515	9971
Combustible fuels	2882	2305	2218	2635	1462	1471
Hydro	3217	4016	4435	3569	*3472	3960
Nuclear	..	..	..	..	..	..
Other	1461	1530	1796	2934	4580	4541
Own use in electricity, CHP and heat plants	34	39	49	43	48	50
Net production	7526	7812	8399	9095	9467	9921
Imports	34	39	49	158	59	86
Exports	37	33	36	27	46	39
Losses	1249	1404	1476	1662	1642	1965
Consumption	6500	6760	7296	7786	7732	8346
Energy industries own use	..	..	..	..	..	..
By industry and construction	3636	3686	4438	3988	4426	5257
By transport	..	..	..	..	..	..
By households and other cons.	2864	3074	2858	3798	3306	3089
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	1540	1611	1723	2094	2263	2254
Combustible fuels	609	637	715	734	819	786
Hydro	735	770	767	797	800	798
Nuclear	..	..	..	..	..	..
Other	197	204	242	563	645	670
Main activity	1540	1611	1723	2094	2263	2254
Combustible fuels	609	637	715	734	819	786
Hydro	735	770	767	797	800	798
Nuclear	..	..	..	..	..	..
Other	197	204	242	563	645	670
Combustible fuel input	Terajoules					
Gas-diesel oil	15308	12255	12943	7310	3612	2263
Fuel oil	15473	12403	6464	6399	7874	5484
Vegetal waste	*16800	*16800	16800	16800	16800	15460
Total input	47581	41458	36207	30509	28286	23207
Total production	10373	8299	7984	9487	5264	5295
Estimated efficiency (% of production to input)	22	20	22	31	19	23

Statistics on electricity

Kiribati

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	24	25	25	*26	*28	*31
Combustible fuels	24	25	25	*26	*26	*26
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	*2	*5
Main activity	22	23	23	*24	*26	*29
Combustible fuels	22	23	23	*24	*24	*24
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	*2	*5
Own use in electricity, CHP and heat plants	1	1	1	*1	*1	*2
Net production	23	24	24	*25	*27	*30
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	4	5	5	4	*4	*5
Consumption	19	19	19	*20	*20	*25
Energy industries own use	..	..	..	..	..	..
By industry and construction	*2	*2	*2	*2	*2	*3
By transport	..	..	..	..	..	..
By households and other cons.	17	17	17	*18	*18	*22
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	8	8	8	*8	*9	*11
Combustible fuels	6	6	6	*6	*8	*8
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*1	*1	*1	*1	2	3
Main activity	7	7	7	*7	*8	*10
Combustible fuels	5	5	5	*5	*7	*7
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*1	*1	*1	*1	2	3
Combustible fuel input	Terajoules					
Gas-diesel oil	284	284	301	292	*292	*301
Total input	284	284	301	292	*292	*301
Total production	86	89	91	*92	*92	*94
Estimated efficiency (% of production to input)	30	31	30	31	31	31

Statistics on electricity

Korea, Dem.Ppl's.Rep.

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	19226	19236	18332	17909	13737	16926
Combustible fuels	6026	5736	4432	4909	3737	4126
Hydro	13200	13500	13900	13000	10000	12800
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	19226	19236	18332	17909	13737	16926
Combustible fuels	6026	5736	4432	4909	3737	4126
Hydro	13200	13500	13900	13000	10000	12800
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	1824	1825	1739	1699	1303	1605
Net production	17402	17411	16593	16210	12434	15321
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	3040	3042	2899	2832	2172	2676
Consumption	14362	14369	13694	13378	10262	12645
Energy industries own use	..	..	..	..	..	..
By industry and construction	7181	7185	6847	6689	5131	6323
By transport	..	..	..	..	..	..
By households and other cons.	7181	7184	6847	6689	5131	6322
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	6920	7220	7243	7253	7427	7661
Combustible fuels	2960	2960	2960	2960	2960	2960
Hydro	3960	4260	4283	4293	4467	4701
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	6920	7220	7243	7253	7427	7661
Combustible fuels	2960	2960	2960	2960	2960	2960
Hydro	3960	4260	4283	4293	4467	4701
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Hard Coal	42122	44052	28716	33948	22517	25612
Brown Coal	7720	7403	5504	6155	4168	4537
Fuel oil	11150	9979	10342	10625	14706	17049
Total input	60992	61434	44563	50728	41390	47198
Total production	21694	20650	15955	17672	13453	14854
Estimated efficiency (% of production to input)	36	34	36	35	33	31

Statistics on electricity
Korea, Republic of

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	523286	534618	541996	550934	552697	562603
Combustible fuels	358505	374116	390858	381511	375110	385386
Hydro	7831	7652	8394	7820	5796	6634
Nuclear	154723	150327	138784	156407	164762	161995
Other	2227	2523	3960	5196	7029	8588
Main activity	493596	503660	513833	517962	522835	527590
Combustible fuels	329200	343479	363146	349044	345891	351162
Hydro	7831	7652	8394	7820	5796	6634
Nuclear	154723	150327	138784	156407	164762	161995
Other	1842	2202	3509	4691	6386	7799
Own use in electricity, CHP and heat plants	20136	20272	20526	20927	23873	22519
Net production	503150	514346	521470	530007	528824	540084
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	17430	17292	18311	18270	17979	18475
Consumption	485215	497357	503570	505690	511469	534858
Energy industries own use	14602	15952	16445	18856	16158	17587
By industry and construction	246046	250643	255697	259606	262369	265383
By transport	2246	2250	2168	2003	2217	2689
By households and other cons.	222321	228512	229260	225225	230725	249199
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	84654	87830	91483	99830	103202	111201
Combustible fuels	58303	59086	61795	69122	70108	75559
Hydro	6418	6447	6452	6467	6471	6485
Nuclear	18716	20716	20716	20716	21716	23116
Other	1217	1581	2520	3525	4907	6041
Main activity	78952	81013	85145	92115	95693	103741
Combustible fuels	52800	52634	55960	62121	63704	68903
Hydro	6418	6447	6452	6467	6471	6485
Nuclear	18716	20716	20716	20716	21716	23116
Other	1018	1216	2017	2811	3802	5237
Combustible fuel input	Terajoules					
Hard Coal	2123995	2138543	2135854	2049054	2106320	2107076
Brown Coal	88237	45119	38499	103882	145713	140268
Fuel oil	84274	132754	139663	66741	76073	112070
Naphtha	76051	81613	46903	47882	63680	55136
Natural gas	928420	1027978	1054747	933846	889749	952847
Coke-oven gas	31841	22352	23544	38166	35247	35474
Blast furnace gas	135788	119240	102556	127625	124623	120427
Fuelwood	*2030	*6428	*6776	*4613	*10176	*38807
Other recovered gases	15145	15976	14983	20893	22509	23676
Other liquid biofuels	..	..	..	5261	8686	10823
Others	39428	36561	37829	47900	45486	36163
Total input	3525209	3626564	3601355	3445863	3528261	3632766
Total production	1290618	1346818	1407089	1373440	1350396	1387390
Estimated efficiency (% of production to input)	37	37	39	40	38	38

Statistics on electricity
Kuwait

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	57457	62655	60982	65140	68288	70094
Combustible fuels	57457	62655	60982	65140	68288	70092
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	2
Main activity	57457	62655	60982	65140	68288	70094
Combustible fuels	57457	62655	60982	65140	68288	70092
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	2
Own use in electricity, CHP and heat plants	6948	7577	7398	7587	7911	8164
Net production	50509	55078	53584	57553	60377	61930
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	7082	8893	7398	7596	9729	8169
Consumption	43427	46185	46186	49957	50278	53761
Energy industries own use	6045	6451	6430	6905	6982	8050
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	37382	39734	39756	43052	43296	45711
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	14803	14803	15719	15819	17891	18952
Combustible fuels	14803	14803	15719	15819	17891	18950
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	*2
Main activity	14703	14703	15619	15719	17791	18852
Combustible fuels	14703	14703	15619	15719	17791	18850
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	*2
Combustible fuel input	Terajoules					
Crude oil	112560	95725	105792	112010	109684	109684
Gas-diesel oil	52761	57534	63210	49020	34916	36722
Fuel oil	226442	180750	277265	216019	274760	234886
Natural gas	249590	259312	272687	251248	282681	289067
Total input	641353	593321	718955	628297	702041	670359
Total production	206845	225558	219535	234504	245837	252331
Estimated efficiency (% of production to input)	32	38	31	37	35	38

Statistics on electricity
Kyrgyzstan

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	15158	15168	14011	14572	13030	13262
Combustible fuels	1019	989	914	1274	1930	1768
Hydro	14139	14179	13097	13298	11100	11494
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	15158	15168	14004	14552	13006	13236
Combustible fuels	1019	989	907	1254	1906	1742
Hydro	14139	14179	13097	13298	11100	11494
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	233	235	199	270	244	182
Net production	14925	14933	13812	14302	12786	13080
Imports	174	177	0	286	729	331
Exports	2848	1840	377	72	184	199
Losses	3389	3361	2841	3458	2668	2655
Consumption	8766	9661	10322	11058	10663	10428
Energy industries own use	54	70	55	74	76	268
By industry and construction	2000	1985	1464	1175	2356	1709
By transport	..	..	41	232	174	45
By households and other cons.	6712	7606	8762	9577	8057	8406
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*3859	*3859	*3861	*3864	*3865	*3865
Combustible fuels	*795	*795	*797	*800	*801	*801
Hydro	*3064	*3064	*3064	*3064	*3064	*3064
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*3859	*3859	*3859	*3859	*3859	*3859
Combustible fuels	*795	*795	*795	*795	*795	*795
Hydro	*3064	*3064	*3064	*3064	*3064	*3064
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Hard Coal	15088	16240	9840	11838	18775	9922
Brown Coal	..	..	4645	7298	5334	6389
Gas-diesel oil	43	0	0	0	0	0
Fuel oil	2747	2222	1252	1050	646	364
Natural gas	2521	3254	382	1651	2419	2710
Total input	20399	21716	16120	21837	27175	19385
Total production	3668	3560	3290	4586	6948	6365
Estimated efficiency (% of production to input)	18	16	20	21	26	33

Statistics on electricity

Lao People's Dem. Rep.

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	12980	12761	15512	15640	16730	25068
Combustible fuels	..	..	5	6	2476	7120
Hydro	12980	12760	15506	15633	14252	17946
Nuclear	..	..	..	..	..	..
Other	..	0	0	1	2	2
Main activity	12980	12761	15512	15640	16730	25068
Combustible fuels	..	..	5	6	2476	7120
Hydro	12980	12760	15506	15633	14252	17946
Nuclear	..	..	..	..	..	..
Other	..	0	0	1	2	2
Own use in electricity, CHP and heat plants	1	0	0	350	229	2
Net production	12980	12760	15512	15290	16501	25066
Imports	904	1329	1272	1559	2050	787
Exports	10617	10363	12494	11936	11559	*18693
Losses	649	948	907	1106	2565	*2500
Consumption	2556	3075	3381	3791	4239	4660
Energy industries own use	..	..	..	..	..	..
By industry and construction	740	883	1118	1564	1745	1916
By transport	..	..	..	..	..	..
By households and other cons.	1815	2192	2263	2228	2494	2744
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	2570	2973	3020	3098	5813	6418
Combustible fuels	..	..	40	40	1918	1878
Hydro	2570	2973	2980	3058	3894	4538
Nuclear	..	..	..	..	..	..
Other	..	0	0	1	2	2
Main activity	2570	2973	3020	3098	5813	6418
Combustible fuels	..	..	40	40	1918	1878
Hydro	2570	2973	2980	3058	3894	4538
Nuclear	..	..	..	..	..	..
Other	..	0	0	1	2	2
Combustible fuel input	Terajoules					
Brown Coal	..	..	..	..	41605	*132947
Bagasse	..	..	*77	*77	*54	*77
Total input	..	..	*77	*77	41659	*133025
Total production	..	..	19	20	8914	25632
Estimated efficiency (% of production to input)	..	..	25	26	21	19

Statistics on electricity

Latvia

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	6094	6167	6209	5141	5533	6425
Combustible fuels	3136	2346	3177	3006	3526	3767
Hydro	2887	3707	2912	1994	1860	2530
Nuclear	..	..	..	..	..	..
Other	71	114	120	141	147	128
Main activity	6006	5984	5952	4884	5274	6214
Combustible fuels	3057	2170	2926	2760	3273	3560
Hydro	2878	3700	2909	1987	1858	2528
Nuclear	..	..	..	..	..	..
Other	71	114	117	137	143	126
Own use in electricity, CHP and heat plants	530	448	409	409	440	498
Net production	5564	5719	5800	4732	5093	5927
Imports	4009	4935	5005	5340	5246	4828
Exports	2764	3244	3650	3023	3425	3795
Losses	616	559	575	465	451	476
Consumption	6191	6848	6576	6582	6461	6482
Energy industries own use	..	..	..	..	..	..
By industry and construction	1670	1993	1808	1667	1703	1667
By transport	124	129	124	117	106	105
By households and other cons.	4397	4726	4644	4798	4652	4710
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	2577	2660	2911	2924	2933	2928
Combustible fuels	965	1023	1255	1265	1275	1292
Hydro	1576	1576	1589	1590	1589	1565
Nuclear	..	..	..	..	..	..
Other	36	61	67	69	69	71
Main activity	2550	2618	2859	2881	2890	2883
Combustible fuels	944	984	1205	1224	1234	1251
Hydro	1571	1573	1587	1588	1587	1563
Nuclear	..	..	..	..	..	..
Other	35	61	67	69	69	69
Combustible fuel input	Terajoules					
Hard Coal	393	499	446	169	96	143
Peat	0	0	40	0	0	0
Biogas	768	1890	2365	2780	3310	3424
Gas-diesel oil	0	0	0	0	0	0
Fuel oil	202	162	121	0	0	0
Other oil products	0	..	..	..	..	..
Natural gas	32210	28994	33458	29896	32244	32978
Fuelwood	819	1837	5256	7097	8359	10331
Vegetal waste	0	0	0	0	0	0
Biodiesel	37	37	0	0	0	0
Total input	34429	33418	41687	39942	44009	46876
Total production	11290	8446	11437	10822	12694	13561
Estimated efficiency (% of production to input)	33	25	27	27	29	29

Statistics on electricity

Lebanon

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	16365	14826	17487	17952	18468	18690
Combustible fuels	15560	13819	16218	17759	17989	18308
Hydro	805	1007	1269	193	479	382
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	11615	8826	10487	12387	12831	12953
Combustible fuels	10810	7819	9218	12194	12352	12571
Hydro	805	1007	1269	193	479	382
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	16365	14826	17487	17952	18468	18690
Imports	840	323	522	136	268	69
Exports	..	..	..	..	..	..
Losses	1868	1372	1651	1879	1933	1956
Consumption	15337	13776	16358	16210	16614	16966
Energy industries own use	..	..	..	..	..	..
By industry and construction	4026	3616	4294	4255	4310	4386
By transport	..	..	..	..	..	..
By households and other cons.	11311	10160	12064	11955	12304	12580
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	3262	3262	3535	3537	3543	3137
Combustible fuels	2988	2988	3259	3259	3259	2834
Hydro	*274	*274	*274	*274	*274	280
Nuclear	..	..	..	..	..	..
Other	0	1	2	4	10	23
Main activity	2312	2312	2585	2587	2593	2237
Combustible fuels	2038	2038	2309	2309	2309	1934
Hydro	*274	*274	*274	*274	*274	280
Nuclear	..	..	..	..	..	..
Other	0	1	2	4	10	23
Combustible fuel input	Terajoules					
Gas-diesel oil	102641	115455	118981	111800	113219	115240
Fuel oil	47955	39915	47793	53207	53894	54863
Natural gas	0	0	0	0	0	..
Total input	150596	155370	166774	165007	167113	170103
Total production	56016	49748	58385	63932	64760	65909
Estimated efficiency (% of production to input)	37	32	35	39	39	39

Statistics on electricity
Lesotho

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	490	485	515	515	532	508
Combustible fuels	..	..	..	..	..	..
Hydro	490	485	515	515	532	508
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	490	485	515	515	532	508
Combustible fuels	..	..	..	..	..	..
Hydro	490	485	515	515	532	508
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	490	485	515	515	532	508
Imports	262	310	285	271	261	373
Exports	39	21	2	3	4	3
Losses	67	98	88	98	122	113
Consumption	645	676	711	675	*694	*765
Energy industries own use	..	..	..	..	..	..
By industry and construction	221	232	236	233	*225	*267
By transport	..	..	..	..	..	..
By households and other cons.	425	444	475	442	*469	*498
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	80	80	80	80	80	80
Combustible fuels	..	..	..	..	..	..
Hydro	80	80	80	80	80	80
Nuclear	..	..	..	..	..	..
Other	..	..	0	0	0	0
Main activity	80	80	80	80	80	80
Combustible fuels	..	..	..	..	..	..
Hydro	80	80	80	80	80	80
Nuclear	..	..	..	..	..	..
Other	..	..	0	0	0	0
Combustible fuel input	Terajoules					
Total input	..	..	..	..	..	..
Total production	..	..	..	..	..	..
Estimated efficiency (% of production to input)	..	..	..	..	..	..

Statistics on electricity
Liberia

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*340	*340	*340	*340	*350	*440
Combustible fuels	*300	*300	*300	*300	*310	*400
Hydro	*40	*40	*40	*40	*40	*40
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*140	*140	*140	*140	*145	*175
Combustible fuels	*100	*100	*100	*100	*105	*135
Hydro	*40	*40	*40	*40	*40	*40
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	*60	*60	*60	*60	*60	*135
Net production	*280	*280	*280	*280	*290	*305
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*24	*24	*24	*24	*25	*30
Consumption	*256	*256	*256	*256	*265	*275
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	*256	*256	*256	*256	*265	*275
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*96	*96	*97	*97	*97	*103
Combustible fuels	*91	*91	*93	*93	*93	*98
Hydro	*5	*5	*5	*5	*5	*5
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*26	*26	27	*27	*27	33
Combustible fuels	*21	*21	23	*23	*23	28
Hydro	*5	*5	*5	*5	*5	*5
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	*2365	*2623	*2709	*2752	*3225	*4160
Fuel oil	*808	*606	*404	*404	0	0
Total input	*3173	*3229	*3113	*3156	*3225	*4160
Total production	*1080	*1080	*1080	*1080	*1116	*1440
Estimated efficiency (% of production to input)	34	33	35	34	35	35

Statistics on electricity

Libya

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	26005	34282	37921	37739	37721	36430
Combustible fuels	25999	34275	37913	37731	37713	36422
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	6	7	8	8	8	8
Main activity	26005	34282	37921	37739	37721	36430
Combustible fuels	25999	34275	37913	37731	37713	36422
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	6	7	8	8	8	8
Own use in electricity, CHP and heat plants	1935	1101	609	640	622	610
Net production	24070	33181	37312	37099	37099	35820
Imports	56	61	64	88	88	376
Exports	121	14	1	0	0	..
Losses	8197	6521	7215	7186	7127	7324
Consumption	15808	18045	18995	17019	15277	13980
Energy industries own use	..	..	..	..	..	..
By industry and construction	1660	1449	1892	1560	1892	1213
By transport	..	..	..	..	..	..
By households and other cons.	14148	16596	17103	15459	13385	12767
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	8911	8912	9460	9460	9460	10249
Combustible fuels	8907	8907	9455	9455	9455	10244
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	4	5	5	5	5	5
Main activity	8911	8912	9460	9460	9460	10249
Combustible fuels	8907	8907	9455	9455	9455	10244
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	4	5	5	5	5	5
Combustible fuel input	Terajoules					
Gas-diesel oil	64973	86602	134246	143104	143061	*115670
Fuel oil	59469	77083	36602	42703	42662	32845
Natural gas	163688	211555	236429	216420	231555	229931
Total input	288130	375240	407277	402227	417278	378446
Total production	93596	123390	136487	135832	135767	131119
Estimated efficiency (% of production to input)	32	33	34	34	33	35

Statistics on electricity

Liechtenstein

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	72	86	85	41	70	90
Combustible fuels	4	4	3	3	2	2
Hydro	62	74	69	22	49	68
Nuclear	..	..	..	..	..	..
Other	6	9	13	17	19	19
Main activity	72	86	85	41	70	90
Combustible fuels	4	4	3	3	2	2
Hydro	62	74	69	22	49	68
Nuclear	..	..	..	..	..	..
Other	6	9	13	17	19	19
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	72	86	85	41	70	90
Imports	326	318	319	355	325	309
Exports	..	..	..	..	..	..
Losses	..	..	..	..	..	..
Consumption	*398	*404	404	396	395	399
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	*398	*404	404	396	395	399
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*12	*13	*14	*15	*16	*16
Combustible fuels	*1	*1	*1	1	*1	*1
Hydro	*10	*10	*10	*10	*10	*10
Nuclear	..	..	..	..	..	..
Other	*1	*2	*3	*4	*5	*5
Main activity	*12	*13	*14	*15	*16	*16
Combustible fuels	*1	*1	*1	1	*1	*1
Hydro	*10	*10	*10	*10	*10	*10
Nuclear	..	..	..	..	..	..
Other	*1	*2	*3	*4	*5	*5
Combustible fuel input	Terajoules					
Municipal waste	0	0	0	0	0	0
Total input	0	0	0	0	0	0
Total production	14	13	12	9	8	9
Estimated efficiency (% of production to input)	..	..	..	..	..	..

Statistics on electricity
Lithuania

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	4822	5043	4762	4397	4933	4266
Combustible fuels	3034	3337	2808	2354	2761	1750
Hydro	1056	937	1069	1088	1024	1044
Nuclear	..	..	..	..	..	..
Other	732	769	885	955	1148	1472
Main activity	4222	4256	4141	3661	4002	3378
Combustible fuels	2691	2777	2424	1861	2095	1132
Hydro	1056	937	1069	1088	1024	1044
Nuclear	..	..	..	..	..	..
Other	475	542	648	712	883	1202
Own use in electricity, CHP and heat plants	377	354	311	253	257	215
Net production	4445	4689	4451	4144	4676	4051
Imports	8086	8060	8073	8521	7938	11106
Exports	1347	1441	1127	898	730	2831
Losses	872	883	872	815	793	907
Consumption	10308	10422	10522	10949	11089	11416
Energy industries own use	1728	1501	1567	1712	1747	1666
By industry and construction	2768	2893	2986	3119	3313	3417
By transport	74	75	74	63	67	72
By households and other cons.	5738	5953	5895	6055	5962	6261
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	3691	4237	4323	4037	3587	3665
Combustible fuels	2588	3054	3075	2778	2180	2184
Hydro	876	876	876	877	877	877
Nuclear	..	..	..	..	..	..
Other	227	307	372	382	530	604
Main activity	3417	3965	4053	3764	3313	3387
Combustible fuels	2339	2807	2830	2530	1931	1931
Hydro	876	876	876	877	877	877
Nuclear	..	..	..	..	..	..
Other	202	282	347	357	505	579
Combustible fuel input	Terajoules					
Hard Coal	0	0	0	0	0	0
Brown Coal	0	0	0	0	0	0
Peat	0	0	0	35	0	0
Biogas	335	353	473	603	669	996
Fuel oil	1980	6141	2666	1414	2060	1091
Refinery gas	0	198	149	99	198	396
Natural gas	42383	37286	30737	24187	21472	14542
Fuelwood	*2359	*3786	*6075	6060	*6365	*5771
Municipal waste	..	..	929	975	1312	2480
Industrial waste	..	..	155	258	290	626
Others	0	0	0	0	0	0
Total input	47057	47764	41184	33631	32366	25902
Total production	10922	12013	10109	8474	9940	6300
Estimated efficiency (% of production to input)	23	25	25	25	31	24

Statistics on electricity

Luxembourg

Item	2011	2012	2013	2014	2015	2016
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	3718	3818	2888	2966	2766	2196
Combustible fuels	2498	2543	1573	1622	1030	467
Hydro	1130	1160	1158	1169	1530	1528
Nuclear	..	..	..	..	..	..
Other	90	115	157	175	206	201
Main activity	3510	3593	2623	2695	2492	1911
Combustible fuels	2320	2361	1388	1452	866	290
Hydro	1126	1155	1152	1163	1524	1520
Nuclear	..	..	..	..	..	..
Other	64	77	83	80	102	101
Own use in electricity, CHP and heat plants	20	34	29	28	28	21
Net production	3698	3784	2859	2938	2738	2175
Imports	7096	6732	6852	6961	7519	7718
Exports	2614	2622	1907	2067	1919	1420
Losses	166	154	153	153	158	158
Consumption	8018	7751	7669	7677	8176	8310
Energy industries own use	1533	1515	1468	1496	1951	1943
By industry and construction	3577	3206	3053	3075	3063	3406
By transport	129	129	129	124	124	151
By households and other cons.	2779	2901	3019	2982	3038	2810
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	1741	1789	1813	2022	2023	1709
Combustible fuels	521	522	526	524	513	137
Hydro	1134	1134	1134	1330	1330	1330
Nuclear	..	..	..	..	..	..
Other	86	133	153	168	180	242
Main activity	1640	1653	1657	1851	1843	1509
Combustible fuels	463	463	467	465	451	61
Hydro	1132	1132	1132	1328	1328	1328
Nuclear	..	..	..	..	..	..
Other	45	58	58	58	64	120
Combustible fuel input	Terajoules					
Biogas	282	305	307	384	395	448
Gas-diesel oil	43	43	43	0	43	43
Natural gas	19997	20548	13480	12597	7918	3620
Fuelwood	0	0	*49	*525	*591	*612
Municipal waste	1225	1203	1225	1171	1365	1400
Total input	21547	22099	15104	14677	10312	6123
Total production	8993	9155	5663	5839	3708	1681
Estimated efficiency (% of production to input)	42	41	37	40	36	27