

Statistics on electricity
Republic of Moldova

Item	2016	2017	2018	2019	2020	2021
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	906	896	954	941	983	1131
Combustible fuels	862	839	884	830	881	976
Hydro	39	48	44	65	47	68
Nuclear	..	..	..	..	..	..
Other	5	9	26	46	55	87
Main activity	864	841	882	862	913	1022
Combustible fuels	820	786	827	777	835	919
Hydro	39	48	44	65	47	68
Nuclear	..	..	..	..	..	..
Other	5	7	11	20	31	35
Own use in electricity, CHP and heat plants	136	135	132	157	148	124
Net production	770	761	822	784	835	1007
Imports	3325	3412	3500	3501	3418	3607
Exports	..	..	..	..	..	..
Losses	428	429	441	425	404	435
Consumption	3667	3744	3881	3860	3849	4179
Energy industries own use	45	40	40	47	42	51
By industry and construction	751	764	771	740	705	751
By transport	62	82	72	45	42	46
By households and other cons.	2809	2858	2998	3028	3060	3331
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	463	477	478	486	490	528
Combustible fuels	443	450	425	430	428	432
Hydro	16	16	16	16	16	16
Nuclear	..	..	..	..	..	..
Other	4	11	37	40	46	79
Main activity	350	353	358	363	372	379
Combustible fuels	330	330	330	330	330	330
Hydro	16	16	16	16	16	16
Nuclear	..	..	..	..	..	..
Other	4	7	12	17	26	32
Combustible fuel input	Terajoules					
Hard Coal	0	0	0	0	0	0
Biogas	361	282	313	292	293	279
Gas-diesel oil	0	0	0	9	9	9
Fuel oil	485	404	283	81	16	695
Other oil products	40	0	0	..	0	..
Natural gas	11660	11511	12292	10935	11112	11733
Fuelwood	0	0	0	..	..	0
Vegetal waste	0	0	0	0	0	0
Total input	12546	12197	12888	11316	11430	12715
Total production	3103	3020	3182	2988	3172	3514
Estimated efficiency (% of production to input)	25	25	25	26	28	28

Statistics on electricity

Romania

Item	2016	2017	2018	2019	2020	2021
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	65103	64296	64876	59623	55935	59470
Combustible fuels	26871	28672	27308	23787	20088	22162
Hydro	18536	14853	18097	16006	15701	17745
Nuclear	11286	11509	11377	11280	11466	11284
Other	8410	9262	8093	8550	8679	8279
Main activity	57978	57283	57482	53218	48648	51052
Combustible fuels	20561	22374	20509	18072	13527	14902
Hydro	18213	14609	17859	15736	15432	17433
Nuclear	11286	11509	11377	11280	11466	11284
Other	7918	8791	7736	8130	8222	7432
Own use in electricity, CHP and heat plants	4847	4941	4701	4446	4011	4834
Net production	60256	59355	60176	55177	51924	54636
Imports	4177	4842	3697	5493	8252	8697
Exports	9194	7735	6241	3975	5459	6499
Losses	7125	6994	7056	6501	6202	6198
Consumption	47802	49327	50341	50172	48479	50056
Energy industries own use	4545	4628	4774	4598	4454	4008
By industry and construction	20817	21724	22225	21949	20244	21103
By transport	1048	1089	1056	1060	1086	1325
By households and other cons.	21392	21886	22285	22564	22695	23620
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	23580	23574	23552	20899	20584	18799
Combustible fuels	11038	11067	11022	8366	8126	6316
Hydro	6734	6692	6701	6686	6652	6662
Nuclear	1411	1411	1411	1411	1411	1411
Other	4397	4404	4418	4435	4395	4409
Main activity	20416	20551	20568	18638	18029	16128
Combustible fuels	8887	8908	8873	6670	6309	4463
Hydro	6644	6610	6618	6603	6566	6576
Nuclear	1411	1411	1411	1411	1411	1411
Other	3474	3621	3666	3954	3743	3679
Combustible fuel input	Terajoules					
Brown Coal	190559	194597	182821	177525	119040	134200
Biogas	472	469	466	372	475	767
Gas-diesel oil	129	39	34	75	72	28
Fuel oil	1656	512	991	334	461	298
Refinery gas	5198	4258	4195	6969	4235	4390
Petroleum coke	3250	3621	3495	2212	1429	1124
Natural gas	114034	121683	121155	101530	108256	99443
Blast furnace gas	1336	1023	1425	1525	1674	2016
Fuelwood	6034	*6471	*6223	*6392	*6615	*8172
Industrial waste	2	0	0	0	0	0
Others	0	0	0	1	0	0
Total input	322670	332674	320804	296934	242256	250438
Total production	96736	103218	98311	85631	72318	79783
Estimated efficiency (% of production to input)	30	31	31	29	30	32

Statistics on electricity
Russian Federation

Item	2016	2017	2018	2019	2020	2021
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	1090973	1094289	1115093	1121492	1089668	1159416
Combustible fuels	706663	702882	716119	713955	655850	714777
Hydro	186640	187131	193027	196510	214388	216143
Nuclear	196614	203143	204569	208984	215745	222530
Other	1056	1133	1378	2043	3685	5966
Main activity	1016191	1021908	1039647	1044968	1018570	1078819
Combustible fuels	633211	631728	641826	638607	586036	635477
Hydro	185310	185904	191873	195334	213104	214846
Nuclear	196614	203143	204569	208984	215745	222530
Other	1056	1133	1378	2043	3685	5966
Own use in electricity, CHP and heat plants	67738	70589	70556	70240	68247	72615
Net production	1023235	1023700	1044537	1051252	1021421	1086801
Imports	3194	6410	5177	1618	3608	1564
Exports	17694	17006	17779	20049	12274	22903
Losses	107247	105261	103119	99077	95572	97829
Consumption	898111	904191	924909	930536	914296	964175
Energy industries own use	154141	143306	165327	174900	164681	156554
By industry and construction	326343	338785	340296	340553	333135	363034
By transport	82569	77587	82010	81628	77401	82060
By households and other cons.	335059	344513	337277	333455	339078	362526
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	264730	267639	271600	302074	*302358	*302665
Combustible fuels	185815	187701	190215	217060	*217060	*217060
Hydro	51016	51241	51333	52757	52889	52963
Nuclear	27189	27952	29140	30300	*30300	*30300
Other	710	746	913	1957	2109	2342
Main activity	240259	242389	245977	276452	*276736	*277043
Combustible fuels	161794	162912	165054	191900	*191900	*191900
Hydro	50566	50779	50871	52295	52427	52501
Nuclear	27189	27952	29140	30300	*30300	*30300
Other	710	746	913	1957	2109	2342
Combustible fuel input	Terajoules					
Hard Coal	1443157	1428813	1614200	1626872	1598465	1703014
Brown Coal	916234	925259	924413	895957	781095	801649
Peat	7264	5112	5516	6826	6001	5781
Gas-diesel oil	50224	57375	54739	53879	47144	56102
Fuel oil	83386	57422	61414	50392	44093	43652
Other oil products	..	..	..	24894	21782	25921
Natural gas	7260211	7154601	7880830	7539178	7086389	7809201
Coke-oven gas	68586	64978	63008	61762	58118	54981
Blast furnace gas	52739	63194	56448	60593	61541	62053
Industrial waste	90771	90703	97637	97637	99338	107437
Others	3986	3486	*6158	9048	8969	9772
Total input	9976558	9850943	10764363	10427040	9812937	10679563
Total production	2543987	2530374	2578027	2570238	2361059	2573197
Estimated efficiency (% of production to input)	25	26	24	25	24	24

Statistics on electricity

Rwanda

Item	2016	2017	2018	2019	2020	2021
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	633	700	759	798	838	976
Combustible fuels	341	349	403	393	326	414
Hydro	277	334	338	387	494	545
Nuclear	..	..	..	..	..	..
Other	15	17	18	18	18	18
Main activity	631	698	757	796	836	974
Combustible fuels	339	347	401	391	324	412
Hydro	277	334	338	387	494	545
Nuclear	..	..	..	..	..	..
Other	15	17	18	18	18	18
Own use in electricity, CHP and heat plants	2	25	2	*3	*3	10
Net production	631	675	757	795	835	966
Imports	79	82	96	99	28	31
Exports	4	4	5	6	6	9
Losses	145	156	166	167	*142	*200
Consumption	*561	597	682	*722	*715	788
Energy industries own use	..	..	..	..	..	..
By industry and construction	*150	161	196	200	219	256
By transport	..	..	..	..	..	..
By households and other cons.	*411	435	486	*522	*496	531
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	193	209	226	228	238	*239
Combustible fuels	99	111	121	122	122	*122
Hydro	84	86	92	95	105	*105
Nuclear	..	..	..	..	..	..
Other	9	12	12	12	12	*12
Main activity	192	208	225	227	237	*238
Combustible fuels	98	110	120	121	121	*121
Hydro	84	86	92	95	105	*105
Nuclear	..	..	..	..	..	..
Other	9	12	12	12	12	*12
Combustible fuel input	Terajoules					
Peat	*70	*75	*153	*213	*128	*210
Gas-diesel oil	*1378	*1476	*1692	*1446	*980	*1617
Natural gas	*1700	*1700	*1900	*1870	*1800	*1850
Bagasse	*36	*36	*36	*36	*36	*36
Total input	*3184	*3288	*3782	*3566	*2944	*3713
Total production	1229	1257	1451	1416	1173	1489
Estimated efficiency (% of production to input)	39	38	38	40	40	40

Statistics on electricity

Samoa

Item	2016	2017	2018	2019	2020	2021
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	149	154	154	169	172	171
Combustible fuels	101	108	89	96	107	94
Hydro	33	26	43	50	41	55
Nuclear	..	..	..	..	..	..
Other	16	20	21	24	24	22
Main activity	149	154	154	169	172	171
Combustible fuels	101	108	89	96	107	94
Hydro	33	26	43	50	41	55
Nuclear	..	..	..	..	..	..
Other	16	20	21	24	24	22
Own use in electricity, CHP and heat plants	0	0	0	0	0	1
Net production	149	154	154	169	172	170
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	19	16	15	17	16	18
Consumption	134	138	138	152	157	152
Energy industries own use	..	..	..	..	..	..
By industry and construction	6	11	10	10	10	8
By transport	..	..	..	..	..	..
By households and other cons.	129	128	129	142	147	145
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*52	53	*54	*56	*58	*62
Combustible fuels	*23	*23	*23	*23	*24	*24
Hydro	*11	13	13	14	14	*17
Nuclear	..	..	..	..	..	..
Other	18	18	*19	*19	*21	*21
Main activity	*52	53	*54	*56	*58	*62
Combustible fuels	*23	*23	*23	*23	*24	*24
Hydro	*11	13	13	14	14	*17
Nuclear	..	..	..	..	..	..
Other	18	18	*19	*19	*21	*21
Combustible fuel input	Terajoules					
Gas-diesel oil	932	*989	*843	*903	*1011	*886
Vegetal waste	..	..	..	..	*1	*3
Total input	932	*989	*843	*903	*1011	*889
Total production	363	387	322	344	385	338
Estimated efficiency (% of production to input)	39	39	38	38	38	38

Statistics on electricity

Sao Tome and Principe

Item	2016	2017	2018	2019	2020	2021
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	106	109	*110	110	*110	*109
Combustible fuels	100	104	*103	103	*103	*103
Hydro	6	5	6	6	*6	*6
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Main activity	106	109	*110	110	*110	*109
Combustible fuels	100	104	*103	103	*103	*103
Hydro	6	5	6	6	*6	*6
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Own use in electricity, CHP and heat plants	0	4	*4	7	*4	0
Net production	106	105	*105	102	*105	*109
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	40	*40	*40	*34	*37	*40
Consumption	*65	*65	*65	*69	*69	*68
Energy industries own use	..	..	..	..	..	..
By industry and construction	*3	*3	*3	*3	*3	*3
By transport	..	..	..	..	..	..
By households and other cons.	*62	*62	*63	*66	*66	*65
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*27	*29	*29	*30	*30	*30
Combustible fuels	*25	*26	*26	*27	*27	*27
Hydro	2	2	2	2	2	*2
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Main activity	*27	*29	*29	*30	*30	*30
Combustible fuels	*25	*26	*26	*27	*27	*27
Hydro	2	2	2	2	2	*2
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Combustible fuel input	Terajoules					
Gas-diesel oil	1006	1109	*1075	*1075	*1075	*1075
Total input	1006	1109	*1075	*1075	*1075	*1075
Total production	360	374	*372	372	*372	*369
Estimated efficiency (% of production to input)	36	34	35	35	35	34

Statistics on electricity
Saudi Arabia

Item	2016	2017	2018	2019	2020	2021
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	345149	379443	359257	367816	367498	379045
Combustible fuels	345103	379373	359038	367341	366563	377682
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	46	70	*219	*475	*935	*1363
Main activity	260659	262234	238096	238215	239562	249499
Combustible fuels	260613	262164	237877	237740	238627	248136
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	46	70	*219	*475	*935	*1363
Own use in electricity, CHP and heat plants	8055	15708	15326	21265	20470	20408
Net production	337094	363735	343931	346551	347028	358637
Imports	343	3	351	337	464	308
Exports	1062	38	385	33	832	352
Losses	26186	29648	29286	31055	35779	*37104
Consumption	306235	330583	312579	301613	300691	314750
Energy industries own use	13459	13731	13402	13043	11387	13188
By industry and construction	40128	*57276	*58192	*56485	*57853	*58704
By transport	..	..	..	..	..	..
By households and other cons.	252648	259576	240985	232085	231451	242858
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	74726	98131	96259	110085	113376	117172
Combustible fuels	74702	98094	96172	109972	113264	116632
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	24	37	87	112	112	*539
Main activity	62602	80505	77024	76485	79776	83572
Combustible fuels	62578	80468	76937	76372	79664	83032
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	24	37	87	112	112	*539
Combustible fuel input	Terajoules					
Crude oil	*937537	872903	749091	830929	853403	884493
Gas-diesel oil	474419	462938	*440879	*132016	*193500	*197800
Fuel oil	315241	186365	175296	*611346	*658641	*679003
Natural gas	2322614	2435112	2338003	*2360160	*2421514	*2518658
Total input	4049811	3957318	3703268	*3934451	*4127058	*4279954
Total production	1242371	1365743	1292537	1322428	1319627	1359655
Estimated efficiency (% of production to input)	31	35	35	34	32	32

Statistics on electricity

Senegal

Item	2016	2017	2018	2019	2020	2021
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	4097	4418	4502	*4453	5804	6515
Combustible fuels	4044	4270	4333	*4081	5159	5410
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	53	148	169	*372	*645	1106
Main activity	3239	3449	3368	*3427	4999	5586
Combustible fuels	3239	3449	3368	*3212	4528	4647
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	*214	*472	939
Own use in electricity, CHP and heat plants	54	54	55	52	59	*47
Net production	4043	4364	4447	*4401	5745	6468
Imports	360	360	360	324	356	315
Exports	..	..	..	..	..	..
Losses	670	672	672	764	762	1020
Consumption	3734	3472	3998	*3960	4585	5400
Energy industries own use	..	..	..	..	..	..
By industry and construction	1073	446	1075	1719	1982	1921
By transport	..	..	..	..	..	..
By households and other cons.	2661	3026	2923	*2242	2603	3479
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*893	1016	1174	1321	1481	1649
Combustible fuels	*840	884	1001	1024	1082	1189
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*53	132	173	*296	*400	*460
Main activity	*510	554	671	860	1018	1184
Combustible fuels	*510	554	671	694	752	859
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	*165	267	*325
Combustible fuel input	Terajoules					
Hard Coal	..	4665	6764	8300	1721	7008
Gas-diesel oil	2365	5805	8342	5531	1595	1739
Fuel oil	28684	28159	32118	28826	37747	38087
Natural gas	878	736	461	559	553	283
Bagasse	*2544	*2127	*3062	*3253	3196	*3161
Total input	34471	41492	50747	46469	44812	50278
Total production	14558	15372	15599	*14692	18571	19475
Estimated efficiency (% of production to input)	42	37	31	32	41	39

Statistics on electricity

Serbia

Item	2016	2017	2018	2019	2020	2021
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	39342	37045	37426	37600	37956	38236
Combustible fuels	27784	27232	25869	26490	27219	25153
Hydro	11520	9752	11393	10198	9749	11984
Nuclear	..	..	..	..	..	..
Other	38	62	163	912	989	1098
Main activity	38889	36519	36883	37130	37483	37708
Combustible fuels	27331	26705	25326	26020	26745	24626
Hydro	11520	9752	11393	10198	9749	11984
Nuclear	..	..	..	..	..	..
Other	38	62	163	912	989	1098
Own use in electricity, CHP and heat plants	2714	2747	2642	3035	2683	2883
Net production	36628	34299	34783	34565	35274	35352
Imports	5068	6549	6400	5417	5070	6984
Exports	6990	5724	6284	5341	5675	6333
Losses	4808	4806	4532	4332	4385	4481
Consumption	29898	30317	30368	30308	30284	31522
Energy industries own use	2296	2193	2319	2314	2403	2322
By industry and construction	8001	8402	8735	8783	8617	9380
By transport	352	375	375	375	358	384
By households and other cons.	19249	19347	18939	18836	18905	19435
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	7410	7410	7632	7868	7884	7902
Combustible fuels	4352	4337	4351	4385	4392	4407
Hydro	3030	3038	3043	3074	3082	3085
Nuclear	..	..	..	..	..	..
Other	28	35	238	409	410	410
Main activity	7281	7296	7514	7727	7739	7752
Combustible fuels	4223	4223	4233	4244	4248	4258
Hydro	3030	3038	3043	3074	3082	3085
Nuclear	..	..	..	..	..	..
Other	28	35	238	409	410	410
Combustible fuel input	Terajoules					
Hard Coal	0	0	1	3	44	419
Brown Coal	289300	286828	268848	269485	290140	256304
Lignite briquettes	726	717	650	609	483	489
Biogas	210	398	631	758	923	1387
Fuel oil	2666	2786	3004	1248	712	508
Natural gas	5331	7478	8113	10164	8824	15277
Blast furnace gas	3929	4249	4760	4637	3209	3424
Fuelwood	90	0	0	221	395	415
Vegetal waste	..	81	105	99	93	103
Industrial waste	23	20	22	24	25	26
Others	80	75	18	53	72	16
Total input	302355	302632	286150	287301	304920	278369
Total production	100022	98034	93129	95364	97988	90552
Estimated efficiency (% of production to input)	33	32	33	33	32	33

Statistics on electricity
Seychelles

Item	2016	2017	2018	2019	2020	2021
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	496	513	518	540	535	536
Combustible fuels	487	503	507	531	523	517
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	9	10	11	9	12	19
Main activity	410	424	428	448	442	443
Combustible fuels	401	414	417	439	430	424
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	9	10	11	9	12	19
Own use in electricity, CHP and heat plants	*12	*12	12	*13	*13	*13
Net production	484	501	506	527	522	523
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	43	40	42	48	40	*40
Consumption	*441	*461	*464	*479	*482	*483
Energy industries own use	..	..	..	..	..	..
By industry and construction	*130	*135	*140	*130	*136	*138
By transport	..	..	..	..	..	..
By households and other cons.	*311	*326	*324	*349	*346	*345
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*137	154	*156	*157	143	152
Combustible fuels	*129	146	*146	*147	133	133
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	8	9	10	10	10	18
Main activity	*108	125	*126	*128	114	123
Combustible fuels	*100	116	*116	*118	104	104
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	8	9	10	10	10	18
Combustible fuel input	Terajoules					
Gas-diesel oil	*942	*972	*980	*1023	*1028	*1011
Fuel oil	3600	3697	3758	3953	3878	3819
Total input	4541	4668	4738	4977	4905	4830
Total production	1753	1812	1825	1912	1883	1862
Estimated efficiency (% of production to input)	39	39	39	38	38	39

Statistics on electricity
Sierra Leone

Item	2016	2017	2018	2019	2020	2021
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	299	319	320	260	253	251
Combustible fuels	80	89	91	17	11	15
Hydro	218	224	223	237	236	230
Nuclear	..	..	..	..	..	..
Other	1	6	6	6	6	6
Main activity	295	315	316	256	249	247
Combustible fuels	76	85	87	13	7	11
Hydro	218	224	223	237	236	230
Nuclear	..	..	..	..	..	..
Other	1	6	6	6	6	6
Own use in electricity, CHP and heat plants	1	3	3	3	*4	*1
Net production	298	316	317	257	249	250
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*88	*90	*86	*77	*75	*71
Consumption	*210	*226	*231	*180	*174	*179
Energy industries own use	..	..	..	..	..	..
By industry and construction	*78	*84	*88	*75	*74	*75
By transport	..	..	..	..	..	..
By households and other cons.	*132	*142	*143	*105	*100	*104
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	140	*143	*142	143	99	99
Combustible fuels	79	*79	*77	78	*34	*34
Hydro	60	60	61	61	61	61
Nuclear	..	..	..	..	..	..
Other	1	4	4	4	4	4
Main activity	138	*141	*140	141	97	97
Combustible fuels	77	*77	*75	76	*32	*32
Hydro	60	60	61	61	61	61
Nuclear	..	..	..	..	..	..
Other	1	4	4	4	4	4
Combustible fuel input	Terajoules					
Gas-diesel oil	*860	*903	*946	*155	*86	*86
Bagasse	*20	*20	*19	*19	*19	*19
Vegetal waste	*72	*72	*72	*72	*72	*72
Total input	*952	*995	*1037	*246	*177	*177
Total production	288	321	327	62	39	55
Estimated efficiency (% of production to input)	30	32	32	25	22	31

Statistics on electricity

Singapore

Item	2016	2017	2018	2019	2020	2021
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	51733	52401	53142	54552	53582	56524
Combustible fuels	51587	52226	52905	54142	53080	55789
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	146	175	237	410	502	735
Main activity	48212	48410	48409	50055	48921	51925
Combustible fuels	48066	48235	48172	49645	48419	51190
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	146	175	237	410	502	735
Own use in electricity, CHP and heat plants	146	175	233	410	502	735
Net production	51587	52225	52908	54142	53080	55789
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	2431	2351	1798	1762	1797	1824
Consumption	48623	49638	50461	51730	50780	53483
Energy industries own use	..	..	..	..	..	..
By industry and construction	20418	21241	21440	21464	20979	22293
By transport	2639	2768	2947	3019	2809	2845
By households and other cons.	25565	25629	26074	27247	26991	28346
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	13445	13927	13966	12859	12320	12474
Combustible fuels	13348	13812	13805	12587	11987	11987
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	97	116	161	272	333	487
Main activity	13027	13358	13397	12307	11768	11922
Combustible fuels	12931	13243	13236	12035	11435	11435
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	97	116	161	272	333	487
Combustible fuel input	Terajoules					
Hard Coal	10853	12464	12347	11598	10484	11702
Gas-diesel oil	1380	43	24	21	14	150
Fuel oil	2424	4537	3543	2270	2424	5835
Refinery gas	3119	2822	1556	1325	1485	2206
Natural gas	350194	352198	354400	363506	359935	373157
Bagasse	2902	2851	3224	3115	2948	3450
Municipal waste	27436	26741	24811	25133	23346	21888
Total input	398307	401656	399905	406970	400635	418389
Total production	185712	188012	190457	194911	191088	200840
Estimated efficiency (% of production to input)	47	47	48	48	48	48

Statistics on electricity

Sint Maarten (Dutch part)

Item	2016	2017	2018	2019	2020	2021
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*362	*300	*291	*296	265	*286
Combustible fuels	*362	*300	*291	*296	265	*286
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*362	*300	*291	*296	265	*286
Combustible fuels	*362	*300	*291	*296	265	*286
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	*362	*300	*291	*296	265	*286
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*12	*10	*9	*9	*8	*9
Consumption	342	*282	*270	*274	*257	*277
Energy industries own use	..	..	..	..	..	..
By industry and construction	60	*49	*45	*42	*40	*43
By transport	..	..	..	..	..	..
By households and other cons.	283	*233	*225	*232	*217	*234
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	97	*88	*92	*96	99	*99
Combustible fuels	97	*88	*92	*96	99	*99
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	97	*88	*92	*96	99	*99
Combustible fuels	97	*88	*92	*96	99	*99
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Fuel oil	*3232	*2707	*2626	*2666	*2384	*2573
Total input	*3232	*2707	*2626	*2666	*2384	*2573
Total production	*1303	*1080	*1049	*1065	952	*1029
Estimated efficiency (% of production to input)	40	40	40	40	40	40

Statistics on electricity

Slovakia

Item	2016	2017	2018	2019	2020	2021
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	27064	27738	26971	28434	28838	30016
Combustible fuels	7015	7367	7542	7953	7897	8999
Hydro	4606	4623	3879	4571	4799	4552
Nuclear	14774	15081	14843	15282	15444	15730
Other	669	667	707	628	698	735
Main activity	23980	24646	23456	25345	25772	26755
Combustible fuels	4542	4862	4650	5397	5435	6369
Hydro	4508	4523	3768	4451	4671	4423
Nuclear	14774	15081	14843	15282	15444	15730
Other	156	180	195	215	222	233
Own use in electricity, CHP and heat plants	2067	2046	2108	2068	2465	2558
Net production	24997	25692	24863	26366	26373	27458
Imports	13249	15563	12428	13538	13289	13884
Exports	10598	12535	8746	11838	12970	13110
Losses	1332	1263	1235	1699	1589	1350
Consumption	26300	27434	27276	26332	25082	26861
Energy industries own use	1313	1631	1341	1140	1269	1312
By industry and construction	12085	12356	12794	12246	10501	11608
By transport	607	586	588	530	505	586
By households and other cons.	12295	12861	12553	12416	12807	13355
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	7742	7671	7625	7724	7707	7490
Combustible fuels	2710	2645	2651	2639	2652	2399
Hydro	2524	2523	2528	2527	2529	2531
Nuclear	1940	1940	1940	1940	1971	2003
Other	568	563	506	618	555	557
Main activity	6643	6595	6518	6523	6557	6354
Combustible fuels	2106	2012	1882	1873	1901	1658
Hydro	2493	2493	2496	2494	2496	2498
Nuclear	1940	1940	1940	1940	1971	2003
Other	104	150	200	216	189	195
Combustible fuel input	Terajoules					
Hard Coal	14739	17425	18353	11405	7219	7661
Brown Coal	31222	24380	22139	20421	18566	13905
Biogas	4991	5040	4977	4988	4340	4354
Fuel oil	9534	8646	2990	2949	2424	2545
Natural gas	18955	20306	21164	30255	35838	41818
Blast furnace gas	1328	1742	1882	1055	938	1719
Fuelwood	*9237	*8936	*9202	*8122	*9202	*9048
Municipal waste	1236	1217	932	1198	1510	1541
Industrial waste	127	129	78	12	50	1260
Black liquor	*5645	*5831	*5310	*4915	*5110	*6275
Others	2741	3529	2990	2392	2312	2620
Total input	99755	97181	90017	87712	87508	92746
Total production	25254	26521	27151	28631	28429	32396
Estimated efficiency (% of production to input)	25	27	30	33	32	35

Statistics on electricity

Slovenia

Item	2016	2017	2018	2019	2020	2021
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	16500	16326	16327	16100	17191	15877
Combustible fuels	5730	5610	5397	5287	5239	4715
Hydro	4782	4141	4893	4683	5225	4997
Nuclear	5715	6285	5776	5821	6353	5706
Other	273	290	261	309	374	459
Main activity	15746	15595	15603	15331	16340	14952
Combustible fuels	5463	5344	5142	5026	4966	4459
Hydro	4555	3952	4672	4470	5007	4770
Nuclear	5715	6285	5776	5821	6353	5706
Other	13	14	13	14	15	17
Own use in electricity, CHP and heat plants	954	929	885	875	901	829
Net production	15546	15397	15442	15224	16290	15048
Imports	8359	9133	8930	9021	7120	8387
Exports	9535	9648	9432	9340	9123	8658
Losses	876	893	880	858	849	837
Consumption	13493	13988	14060	14047	13438	13941
Energy industries own use	468	458	348	368	487	482
By industry and construction	6234	6446	6499	6492	5952	6062
By transport	166	233	233	231	210	236
By households and other cons.	6625	6851	6980	6957	6790	7160
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	3534	3617	3796	3832	3929	4080
Combustible fuels	1318	1332	1514	1512	1516	1576
Hydro	1293	1347	1344	1351	1352	1352
Nuclear	688	688	688	688	688	688
Other	235	250	250	281	373	464
Main activity	3146	3215	3393	3397	3400	3462
Combustible fuels	1272	1286	1467	1468	1471	1529
Hydro	1177	1231	1228	1230	1230	1230
Nuclear	688	688	688	688	688	688
Other	9	10	10	11	11	14
Combustible fuel input	Terajoules					
Hard Coal	136	120	128	123	123	0
Brown Coal	40630	45723	45515	42919	41651	37274
Biogas	1196	1024	957	875	1002	931
Gas-diesel oil	86	112	132	51	69	591
Liquefied petroleum gas	..	49	63	63	42	36
Natural gas	3638	4299	4300	4922	5441	4920
Fuelwood	*1744	*1995	*1873	*2203	*2217	*2306
Industrial waste	357	375	409	364	410	410
Biodiesel	37	44	58	48	66	51
Total input	47824	53742	53434	51567	51021	46519
Total production	20628	20198	19427	19032	18859	16975
Estimated efficiency (% of production to input)	43	38	36	37	37	36

Statistics on electricity
Solomon Islands

Item	2016	2017	2018	2019	2020	2021
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	100	103	104	107	106	106
Combustible fuels	97	99	100	103	102	102
Hydro	1	1	1	1	1	1
Nuclear	..	..	..	..	..	..
Other	2	3	3	3	3	3
Main activity	96	99	101	104	103	103
Combustible fuels	93	95	97	99	99	99
Hydro	1	1	1	1	1	1
Nuclear	..	..	..	..	..	..
Other	2	3	3	3	3	3
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	100	103	104	107	106	106
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*10	*13	*16	*18	*18	*19
Consumption	*90	90	88	88	*88	*87
Energy industries own use	..	..	..	..	..	..
By industry and construction	*35	*37	*39	*41	*40	*40
By transport	..	..	..	..	..	..
By households and other cons.	*54	53	49	48	*48	*47
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*34	*35	*35	*35	35	*35
Combustible fuels	*32	*32	*32	*32	32	*32
Hydro	0	0	0	0	0	0
Nuclear	..	..	..	..	..	..
Other	2	3	3	3	3	*3
Main activity	*33	*34	*34	*34	34	*34
Combustible fuels	*31	*31	*31	*31	31	*31
Hydro	0	0	0	0	0	0
Nuclear	..	..	..	..	..	..
Other	2	3	3	3	3	*3
Combustible fuel input	Terajoules					
Gas-diesel oil	*1011	*998	*1015	*1027	*1026	*1019
Vegetal waste	*55	*48	*35	*42	*37	*43
Total input	*1066	*1046	*1050	*1069	*1063	*1062
Total production	348	356	360	370	368	367
Estimated efficiency (% of production to input)	33	34	34	35	35	35

Statistics on electricity

Somalia

Item	2016	2017	2018	2019	2020	2021
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	362	367	367	367	370	383
Combustible fuels	350	350	350	350	340	340
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	12	17	17	17	30	43
Main activity	362	367	367	367	370	383
Combustible fuels	350	350	350	350	340	340
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	12	17	17	17	30	43
Own use in electricity, CHP and heat plants	0	0	0	0	0	1
Net production	362	367	367	367	370	382
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*43	*47	*17	*16	*15	*15
Consumption	*319	*320	350	*351	*355	*367
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	*319	*320	350	*351	*355	*367
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	87	90	111	111	119	133
Combustible fuels	80	80	100	100	100	106
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	7	10	11	11	19	27
Main activity	87	90	111	111	119	133
Combustible fuels	80	80	100	100	100	106
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	7	10	11	11	19	27
Combustible fuel input	Terajoules					
Gas-diesel oil	*4300	*4300	*4300	*4300	*4171	*4171
Total input	*4300	*4300	*4300	*4300	*4171	*4171
Total production	1260	1260	1260	1260	1224	1224
Estimated efficiency (% of production to input)	29	29	29	29	29	29

Statistics on electricity
South Africa

Item	2016	2017	2018	2019	2020	2021
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	255112	257769	256064	252639	239715	244383
Combustible fuels	228523	227635	228082	222163	212410	210235
Hydro	3947	5323	5694	5791	6239	6784
Nuclear	15913	15743	11580	13252	9903	12355
Other	6729	9068	10708	11433	11163	15009
Main activity	221756	237648	232803	228480	215192	217650
Combustible fuels	201654	216379	214919	208778	198478	197724
Hydro	3856	5183	5619	5748	6182	6686
Nuclear	15913	15743	11580	13252	9903	12355
Other	333	343	685	702	629	885
Own use in electricity, CHP and heat plants	18308	18601	13853	13438	13201	13291
Net production	236804	239168	242211	239201	226514	231092
Imports	9113	7321	8320	7823	9829	10137
Exports	16140	14423	14458	14482	13647	13705
Losses	16293	21086	22737	22904	25892	24811
Consumption	224196	222422	226730	209748	208295	214959
Energy industries own use	20457	19750	21307	22611	19149	21555
By industry and construction	108405	107106	108341	106661	98659	100799
By transport	3097	3329	3120	2884	2380	2587
By households and other cons.	92237	92237	93962	77592	88106	90017
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*51889	*55432	*56305	*58783	*58982	61962
Combustible fuels	*42581	*45497	*45497	*48380	*48380	50780
Hydro	*3146	3479	3479	*3479	*3485	*3485
Nuclear	1860	1940	1940	1940	1940	1940
Other	*4302	*4516	5389	4984	*5177	*5757
Main activity	*43256	*48555	*48655	*51538	*51544	54044
Combustible fuels	*38190	*43097	*43097	*45980	*45980	48380
Hydro	*3106	3418	3418	*3418	*3424	*3424
Nuclear	1860	1940	1940	1940	1940	1940
Other	*100	100	*200	*200	*200	*300
Combustible fuel input	Terajoules					
Hard Coal	3053723	3022616	2868456	2835362	2654246	2635732
Gas-diesel oil	47541	381	1892	1844	1737	1757
Fuel oil	..	..	..	2011	1778	1817
Bagasse	4291	4591	4736	4767	4661	4602
Total input	3105555	3027588	2875084	2843985	2662422	2643908
Total production	822683	819486	821095	799788	764677	756847
Estimated efficiency (% of production to input)	26	27	29	28	29	29

Statistics on electricity

South Sudan

Item	2016	2017	2018	2019	2020	2021
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	521	542	548	557	558	583
Combustible fuels	519	539	538	546	547	566
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	3	10	11	11	17
Main activity	221	503	500	508	508	528
Combustible fuels	220	502	495	503	503	520
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	1	5	5	5	8
Own use in electricity, CHP and heat plants	16	15	15	15	15	16
Net production	505	527	533	542	543	567
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	24	24	22	22	22	23
Consumption	477	498	517	521	507	524
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	197	200	201	188	198
By transport	..	..	..	..	..	..
By households and other cons.	477	301	317	319	319	325
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*84	*131	*131	*131	*131	*131
Combustible fuels	*80	*120	*120	*120	*120	*120
Hydro	*3	*3	*3	*3	*3	*3
Nuclear	..	..	..	..	..	..
Other	*1	*8	*8	*8	*8	*8
Main activity	*43	*90	*90	*90	*90	*90
Combustible fuels	*40	*80	*80	*80	*80	*80
Hydro	*3	*3	*3	*3	*3	*3
Nuclear	..	..	..	..	..	..
Other	0	*7	*7	*7	*7	*7
Combustible fuel input	Terajoules					
Motor gasoline	133	75	137	82	142	150
Gas-diesel oil	5934	5547	6063	6152	6161	6366
Total input	6067	5622	6200	6234	6303	6515
Total production	1868	1941	1938	1966	1970	2036
Estimated efficiency (% of production to input)	31	35	31	32	31	31

Statistics on electricity

Spain

Item	2016	2017	2018	2019	2020	2021
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	274772	275726	274452	273257	263373	274312
Combustible fuels	113618	133002	118149	117125	93778	95443
Hydro	39865	21070	36803	26874	33998	32847
Nuclear	58633	58039	55766	58349	58299	56564
Other	62656	63615	63734	70909	77298	89458
Main activity	240665	239591	236865	234941	227707	236484
Combustible fuels	80530	97587	81760	80066	59588	59937
Hydro	39062	20593	35894	25977	33026	31966
Nuclear	58633	58039	55766	58349	58299	56564
Other	62440	63372	63445	70549	76794	88017
Own use in electricity, CHP and heat plants	10428	10808	10625	9461	8782	8981
Net production	264344	264918	263827	263796	254591	265331
Imports	21845	23762	24018	18721	17928	17411
Exports	14178	14593	12916	11859	14649	16559
Losses	26720	23823	25596	24790	25631	26728
Consumption	244640	250149	248968	245190	231792	239371
Energy industries own use	12125	11048	10503	10661	12137	11491
By industry and construction	77899	81019	78659	75925	68885	75844
By transport	3902	3987	4046	3937	3335	3662
By households and other cons.	150714	154095	155760	154667	147435	148374
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	105945	103863	103790	109688	108323	111014
Combustible fuels	48400	46456	46061	45697	41771	39778
Hydro	20080	20079	20080	20114	20117	20132
Nuclear	7399	7117	7117	7117	7117	7117
Other	30066	30210	30532	36760	39318	43986
Main activity	99356	97254	97219	103205	101747	103891
Combustible fuels	42243	40299	39963	39718	35818	33849
Hydro	19711	19710	19711	19745	19748	19763
Nuclear	7399	7117	7117	7117	7117	7117
Other	30003	30127	30428	36625	39065	43161
Combustible fuel input	Terajoules					
Hard Coal	362042	443931	385792	132568	63826	51292
Biogas	8094	8417	8490	8276	8117	9007
Gas-diesel oil	32078	36077	37367	39130	36335	39001
Fuel oil	75467	76073	70862	64155	47995	41733
Refinery gas	4505	5792	6138	5297	5495	4455
Natural gas	376162	461908	417687	593612	496060	509802
Blast furnace gas	8924	10863	10685	9099	5412	10889
Fuelwood	*35748	*38421	*36108	*34817	*40699	47250
Vegetal waste	*12460	*13421	*12665	*12284	*14172	*14450
Municipal waste	19226	21160	20926	21010	19378	21252
Others	52180	46894	34554	17264	9593	5427
Total input	986886	1162957	1041274	937512	747082	754558
Total production	409025	478807	425336	421650	337601	343595
Estimated efficiency (% of production to input)	41	41	41	45	45	46

Statistics on electricity
Sri Lanka

Item	2016	2017	2018	2019	2020	2021
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	14363	15004	15985	16630	15801	16716
Combustible fuels	9721	10381	9072	11102	10260	8306
Hydro	4221	4039	6401	4812	4976	7208
Nuclear	..	..	..	..	..	..
Other	422	583	513	716	565	1202
Main activity	13461	13821	14577	15396	14532	14729
Combustible fuels	9630	10296	8985	10984	10142	8150
Hydro	3482	3075	5169	3801	3929	5640
Nuclear	..	..	..	..	..	..
Other	349	450	423	611	460	939
Own use in electricity, CHP and heat plants	633	336	612	539	757	801
Net production	13730	14668	15374	16091	15044	15915
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	997	1179	1407	1337	1496	1614
Consumption	12715	13489	14119	14738	14450	*15214
Energy industries own use	..	..	..	..	..	..
By industry and construction	4149	4372	4598	4693	4452	4822
By transport	..	..	..	..	..	..
By households and other cons.	8566	9117	9521	10045	9998	*10392
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	4010	4094	4097	*4267	4457	4700
Combustible fuels	2088	2144	2069	*2182	*2182	2025
Hydro	1722	1720	1793	1809	1793	1799
Nuclear	..	..	..	..	..	..
Other	200	230	236	*276	482	*876
Main activity	3598	3658	3615	*3733	*3917	3986
Combustible fuels	2064	2115	2037	*2148	*2148	1987
Hydro	1384	1364	1399	1399	1383	1383
Nuclear	..	..	..	..	..	..
Other	150	179	179	186	386	*616
Combustible fuel input	Terajoules					
Hard Coal	58733	61151	58880	64737	68855	67447
Gas-diesel oil	16761	17535	7136	14542	8114	5227
Fuel oil	13227	19974	17130	25775	25775	18453
Naphtha	8010	9060	3071	5543	0	678
Bagasse	911	848	*1113	1488	1238	*1606
Total input	97643	108568	87328	112085	103982	93411
Total production	34995	37373	32660	39966	36935	29902
Estimated efficiency (% of production to input)	36	34	37	36	36	32

Statistics on electricity

St. Helena and Depend.

Item	2016	2017	2018	2019	2020	2021
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	12	11	12	12	11	11
Combustible fuels	8	9	8	9	8	8
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	3	3	4	3	3	2
Main activity	12	11	12	12	11	11
Combustible fuels	8	9	8	9	8	8
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	3	3	4	3	3	2
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	12	11	12	12	11	11
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*2	*2	*1	*2	*2	1
Consumption	10	9	11	10	10	9
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	10	9	11	10	10	9
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	11	11	12	12	12	10
Combustible fuels	8	8	8	8	8	5
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	3	*3	4	*4	*4	4
Main activity	11	11	12	12	12	10
Combustible fuels	8	8	8	8	8	5
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	3	*3	4	*4	*4	4
Combustible fuel input	Terajoules					
Gas-diesel oil	67	*77	*69	*83	*75	*75
Total input	67	*77	*69	*83	*75	*75
Total production	30	31	28	33	30	30
Estimated efficiency (% of production to input)	45	40	41	39	40	40

Statistics on electricity
St. Kitts-Nevis

Item	2016	2017	2018	2019	2020	2021
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*228	229	*230	*233	*221	*219
Combustible fuels	*217	221	*221	*224	*210	*208
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	11	8	9	9	10	10
Main activity	*227	228	*229	*232	*220	*218
Combustible fuels	*216	220	*220	*223	*209	*207
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	11	8	9	9	10	10
Own use in electricity, CHP and heat plants	*2	2	*3	*3	*4	*5
Net production	*225	227	*227	*229	*217	*214
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*36	*45	*40	*40	*40	*39
Consumption	*189	*181	*187	*189	*177	*175
Energy industries own use	..	..	..	..	..	..
By industry and construction	*38	*36	*37	*37	*35	*34
By transport	..	..	..	..	..	..
By households and other cons.	*152	*145	*150	*152	*142	*141
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	65	65	71	*71	*72	*72
Combustible fuels	60	60	67	*67	*67	*67
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	4	4	4	4	5	5
Main activity	61	61	67	*67	*68	*68
Combustible fuels	56	56	63	*63	*63	*63
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	4	4	4	4	5	5
Combustible fuel input	Terajoules					
Gas-diesel oil	*2107	*2077	*2090	*2090	*1957	*1935
Total input	*2107	*2077	*2090	*2090	*1957	*1935
Total production	*781	796	*796	*806	*757	*750
Estimated efficiency (% of production to input)	37	38	38	39	39	39

Statistics on electricity
St. Lucia

Item	2016	2017	2018	2019	2020	2021
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	391	400	399	408	372	390
Combustible fuels	391	400	394	401	365	384
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	5	7	7	6
Main activity	391	400	399	408	372	390
Combustible fuels	391	400	394	401	365	384
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	5	7	7	6
Own use in electricity, CHP and heat plants	14	13	12	12	13	13
Net production	378	387	387	396	359	377
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	29	27	25	27	22	24
Consumption	348	360	362	369	336	353
Energy industries own use	..	..	..	..	..	..
By industry and construction	19	18	17	18	18	19
By transport	..	..	..	..	..	..
By households and other cons.	330	341	344	351	319	334
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	88	88	91	91	91	91
Combustible fuels	88	88	88	88	88	88
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	3	3	3	3
Main activity	88	88	91	91	91	91
Combustible fuels	88	88	88	88	88	88
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	3	3	3	3
Combustible fuel input	Terajoules					
Gas-diesel oil	3513	3593	3593	3504	3157	3327
Total input	3513	3593	3593	3504	3157	3327
Total production	1409	1441	1419	1444	1314	1382
Estimated efficiency (% of production to input)	40	40	40	41	42	42

Statistics on electricity

St. Pierre-Miquelon

Item	2016	2017	2018	2019	2020	2021
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	48	49	51	52	51	51
Combustible fuels	48	49	51	52	51	51
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	..	..	..	..	..
Main activity	48	49	51	52	51	51
Combustible fuels	48	49	51	52	51	51
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	..	..	..	..	..
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	48	49	51	52	51	51
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	4	3	3	3	3	2
Consumption	*45	*46	*47	*49	*49	*49
Energy industries own use	..	..	..	..	..	..
By industry and construction	*1	*1	*1	*1	*1	*1
By transport	..	..	..	..	..	..
By households and other cons.	*44	*45	*46	*48	*48	*48
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	25	25	26	26	26	26
Combustible fuels	25	25	26	26	26	26
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Main activity	25	25	26	26	26	26
Combustible fuels	25	25	26	26	26	26
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Combustible fuel input	Terajoules					
Gas-diesel oil	*500	*499	*507	*525	*516	*512
Total input	*500	*499	*507	*525	*516	*512
Total production	174	175	183	188	184	183
Estimated efficiency (% of production to input)	35	35	36	36	36	36

Statistics on electricity

St. Vincent-Grenadines

Item	2016	2017	2018	2019	2020	2021
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	153	151	151	154	152	145
Combustible fuels	136	129	125	130	125	122
Hydro	16	20	24	22	22	19
Nuclear	..	..	..	..	..	..
Other	1	1	2	3	5	4
Main activity	153	150	150	153	151	144
Combustible fuels	136	129	125	130	125	122
Hydro	16	20	24	22	22	19
Nuclear	..	..	..	..	..	..
Other	1	1	1	2	4	2
Own use in electricity, CHP and heat plants	5	5	5	5	3	5
Net production	149	146	146	149	149	140
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	10	9	10	10	11	11
Consumption	138	136	135	138	140	138
Energy industries own use	..	..	..	..	..	..
By industry and construction	7	7	7	7	7	6
By transport	..	..	..	..	..	..
By households and other cons.	131	129	128	131	133	132
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	53	48	46	49	55	*56
Combustible fuels	46	41	38	40	44	*44
Hydro	6	6	6	6	6	6
Nuclear	..	..	..	..	..	..
Other	1	1	2	3	5	6
Main activity	53	48	45	48	53	*54
Combustible fuels	46	41	38	40	44	*44
Hydro	6	6	6	6	6	6
Nuclear	..	..	..	..	..	..
Other	1	1	2	2	3	4
Combustible fuel input	Terajoules					
Gas-diesel oil	1306	1227	1190	1249	1244	1252
Total input	1306	1227	1190	1249	1244	1252
Total production	490	464	450	467	451	439
Estimated efficiency (% of production to input)	38	38	38	37	36	35

Statistics on electricity
State of Palestine

Item	2016	2017	2018	2019	2020	2021
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	537	546	420	811	840	917
Combustible fuels	495	501	360	691	662	693
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	43	45	60	120	178	224
Main activity	360	392	284	651	677	733
Combustible fuels	339	369	254	591	588	621
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	21	23	30	60	89	112
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	537	546	420	811	840	917
Imports	5473	5577	5916	6249	6519	6678
Exports	..	..	..	..	..	..
Losses	721	735	760	847	883	911
Consumption	5289	5388	5576	6213	6476	6682
Energy industries own use	..	..	..	..	..	..
By industry and construction	584	648	715	686	544	616
By transport	..	..	..	..	..	..
By households and other cons.	4705	4740	4861	5528	5932	6067
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	185	190	200	240	278	338
Combustible fuels	160	160	160	160	160	160
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	25	30	40	80	118	178
Main activity	153	155	160	180	199	229
Combustible fuels	140	140	140	140	140	140
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	13	15	20	40	59	89
Combustible fuel input	Terajoules					
Motor gasoline	403	279	235	222	106	49
Gas-diesel oil	4094	4670	3040	6050	5796	6214
Total input	4497	4949	3275	6272	5903	6262
Total production	1780	1803	1297	2489	2382	2493
Estimated efficiency (% of production to input)	40	36	40	40	40	40

Statistics on electricity
Sudan

Item	2016	2017	2018	2019	2020	2021
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	14567	15692	16398	16814	17642	*16775
Combustible fuels	6498	6325	6721	6583	6613	*6693
Hydro	8051	9347	9657	10210	11008	*10061
Nuclear	..	..	..	..	..	..
Other	18	20	21	21	*21	*21
Main activity	14447	15562	16277	16705	17534	*16667
Combustible fuels	6378	6195	6599	6474	6505	*6585
Hydro	8051	9347	9657	10210	11008	*10061
Nuclear	..	..	..	..	..	..
Other	18	20	21	21	*21	*21
Own use in electricity, CHP and heat plants	191	274	478	200	*202	*305
Net production	14376	15418	15920	16614	17440	*16470
Imports	439	891	808	*207	1318	993
Exports	6	..	..	..	..	..
Losses	3030	3140	3028	*3594	3165	*3585
Consumption	12518	12008	13700	*12639	*15593	*13877
Energy industries own use	..	..	..	..	..	..
By industry and construction	1794	2003	1795	*1517	2748	*1919
By transport	..	..	..	..	..	..
By households and other cons.	10724	10005	11905	*11122	*12845	*11958
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	3563	3802	3979	3937	3944	*3946
Combustible fuels	1944	2013	2013	*1944	*1944	*1944
Hydro	1593	1753	1907	1913	1883	1885
Nuclear	..	..	..	..	..	..
Other	26	36	59	80	117	*117
Main activity	3364	3603	3780	3738	3745	3747
Combustible fuels	1745	1814	1814	*1745	*1745	*1745
Hydro	1593	1753	1907	1913	1883	1885
Nuclear	..	..	..	..	..	..
Other	26	36	59	80	117	*117
Combustible fuel input	Terajoules					
Crude oil	32093	29340	25485	29387	28798	*31725
Gas-diesel oil	23162	23180	18058	16617	*24377	*16310
Fuel oil	5939	7575	9809	9706	*8872	*8229
Petroleum coke	4121	4118	3933	4030	6474	*8125
Bagasse	*1977	*2100	*2131	*1961	1931	*1931
Total input	67293	66313	59416	61702	70451	*66320
Total production	23393	22769	24194	23699	23807	*24094
Estimated efficiency (% of production to input)	35	34	41	38	34	36

Statistics on electricity

Suriname

Item	2016	2017	2018	2019	2020	2021
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	1819	1805	1792	1868	1730	1594
Combustible fuels	1027	871	782	906	1043	734
Hydro	783	926	1000	952	674	847
Nuclear	..	..	..	..	..	..
Other	9	9	10	10	12	13
Main activity	595	453	352	397	484	272
Combustible fuels	586	444	342	387	471	259
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	9	9	10	10	12	13
Own use in electricity, CHP and heat plants	269	265	258	247	226	218
Net production	1550	1540	1534	1621	1504	1376
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	185	193	187	192	150	67
Consumption	1365	1347	1347	1430	1354	1309
Energy industries own use	..	..	..	..	..	..
By industry and construction	276	280	268	299	445	434
By transport	..	..	..	..	..	..
By households and other cons.	1089	1067	1079	1131	909	875
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	481	502	505	503	491	532
Combustible fuels	286	307	309	316	302	343
Hydro	189	189	189	180	180	180
Nuclear	..	..	..	..	..	..
Other	6	6	7	7	9	9
Main activity	196	217	220	227	215	256
Combustible fuels	190	211	213	220	206	247
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	6	6	7	7	9	9
Combustible fuel input	Terajoules					
Gas-diesel oil	674	690	676	1111	677	*430
Fuel oil	*10302	*8686	*7716	*8565	*10423	*7312
Natural gas	136	136	195	232	230	248
Total input	*11112	*9512	*8587	*9908	*11330	*7990
Total production	3696	3134	2815	3262	3756	2642
Estimated efficiency (% of production to input)	33	33	33	33	33	33

Statistics on electricity

Sweden

Item	2016	2017	2018	2019	2020	2021
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	156010	164250	163400	168439	163833	171798
Combustible fuels	15150	15547	15571	16390	13618	16137
Hydro	62137	65168	62250	65393	72440	73926
Nuclear	63101	65696	68549	66130	49198	52965
Other	15622	17839	17030	20526	28577	28770
Main activity	150272	158035	157261	161475	157224	164904
Combustible fuels	9423	9344	9443	9431	7009	9243
Hydro	62126	65156	62239	65388	72440	73926
Nuclear	63101	65696	68549	66130	49198	52965
Other	15622	17839	17030	20526	28577	28770
Own use in electricity, CHP and heat plants	3479	3724	3723	2794	2919	3175
Net production	152531	160526	159677	165645	160914	168623
Imports	14287	11896	12202	9070	11827	8341
Exports	26022	30888	29425	35231	36824	33909
Losses	8569	9495	10537	10842	8305	10637
Consumption	130784	130495	130629	127404	126080	131086
Energy industries own use	3288	3241	3067	2846	2654	2822
By industry and construction	50289	50939	50719	49478	47479	46914
By transport	2664	2476	2573	2738	3086	3992
By households and other cons.	74543	73839	74270	72342	72861	77358
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	41511	39798	41223	42824	43672	44753
Combustible fuels	8689	7442	8408	8343	8406	7725
Hydro	16466	16502	16431	16462	16406	16407
Nuclear	9768	8999	8656	8624	7777	6899
Other	6588	6855	7728	9395	11083	13722
Main activity	40305	38513	39775	41413	42286	43293
Combustible fuels	7495	6175	6978	6950	7020	6265
Hydro	16454	16484	16413	16444	16406	16407
Nuclear	9768	8999	8656	8624	7777	6899
Other	6588	6855	7728	9395	11083	13722
Combustible fuel input	Terajoules					
Peat	4870	4626	7239	4827	2291	2415
Gas-diesel oil	1892	1075	1634	1720	1032	1849
Fuel oil	2707	1656	2060	889	687	2141
Natural gas	11451	4724	6769	4968	1484	4898
Coke-oven gas	471	701	591	597	731	377
Blast furnace gas	5608	6833	7167	6031	6322	6775
Fuelwood	*135091	*143783	*142651	*153866	*134387	*160731
Municipal waste	61789	65148	60846	64100	70350	69091
Other recovered gases	1951	1992	1891	1351	1625	1254
Other liquid biofuels	575	438	658	438	301	1178
Others	6703	7827	7888	5442	872	822
Total input	*233108	*238804	*239394	*244229	*220082	*251532
Total production	54540	55969	56056	59004	49025	58093
Estimated efficiency (% of production to input)	23	23	23	24	22	23

Statistics on electricity

Switzerland

Item	2016	2017	2018	2019	2020	2021
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	63163	63095	69110	73478	71654	66042
Combustible fuels	3886	3870	3728	3775	3863	3796
Hydro	36689	37033	37802	40962	41022	39895
Nuclear	21146	20376	25513	26418	24025	19364
Other	1442	1816	2067	2324	2744	2988
Main activity	55986	55593	61145	65260	63014	57193
Combustible fuels	681	664	596	617	676	718
Hydro	34050	34421	34915	38079	38168	36966
Nuclear	21146	20376	25513	26418	24025	19364
Other	109	133	122	146	145	146
Own use in electricity, CHP and heat plants	1469	1438	1659	1732	1634	1419
Net production	61694	61657	67451	71746	70020	64624
Imports	34096	36496	31020	29505	26988	31532
Exports	30173	30946	32607	35765	32548	29119
Losses	4456	4561	4232	4159	4287	4775
Consumption	61152	62634	61629	61327	60173	62262
Energy industries own use	2922	4160	3987	4133	4459	4145
By industry and construction	17761	17661	17075	17031	16442	17361
By transport	3200	3431	3400	3381	3175	3392
By households and other cons.	37269	37382	37167	36783	36097	37364
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	20839	21615	22063	22423	22941	23279
Combustible fuels	961	946	940	943	954	965
Hydro	14806	15353	15541	15574	15594	15612
Nuclear	3333	3333	3333	3333	3333	2960
Other	1739	1982	2249	2573	3061	3742
Main activity	17736	18286	18456	18513	18430	18228
Combustible fuels	217	257	257	259	268	287
Hydro	14111	14621	14791	14845	14742	14894
Nuclear	3333	3333	3333	3333	3333	2960
Other	75	75	75	75	87	87
Combustible fuel input	Terajoules					
Biogas	2140	2235	2230	2376	2573	2665
Gas-diesel oil	215	293	215	276	247	353
Fuel oil	..	2	..	..	2	..
Liquefied petroleum gas	47	25	17	17	10	9
Natural gas	6576	5568	4927	5399	5149	4045
Fuelwood	*5677	*6795	*6355	*7807	*8404	*10650
Municipal waste	44554	45189	45500	45902	46074	45091
Industrial waste	834	1034	1189	1561	1358	1588
Total input	60043	61140	60434	63338	63816	64401
Total production	13990	13932	13422	13591	13907	13665
Estimated efficiency (% of production to input)	23	23	22	21	22	21

Statistics on electricity

Syrian Arab Republic

Item	2016	2017	2018	2019	2020	2021
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	18136	18413	18164	17568	16365	16916
Combustible fuels	17207	17659	17410	16814	15611	16162
Hydro	929	754	754	754	754	754
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	17556	17695	17538	17006	15779	16349
Combustible fuels	16627	16941	16784	16252	15025	15595
Hydro	929	754	754	754	754	754
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	2073	2105	2076	2008	1871	1934
Net production	16063	16308	16088	15560	14495	14983
Imports	..	..	..	..	..	..
Exports	67	543	543	347	317	346
Losses	3865	3822	3769	3684	3433	3544
Consumption	13202	13057	12875	12583	11726	12107
Energy industries own use	..	..	..	..	..	..
By industry and construction	4441	4392	4331	4233	3944	4073
By transport	..	..	..	..	..	..
By households and other cons.	8761	8664	8544	8350	7781	8034
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	9687	*9690	10059	10060	*10069	*9602
Combustible fuels	8192	*8199	8567	8567	*8567	*8079
Hydro	1494	1490	1490	1490	1490	1490
Nuclear	..	..	..	..	..	..
Other	1	1	2	3	12	34
Main activity	8775	*8778	9087	9088	*9097	*8630
Combustible fuels	7280	*7287	7595	7595	*7595	*7107
Hydro	1494	1490	1490	1490	1490	1490
Nuclear	..	..	..	..	..	..
Other	1	1	2	3	12	34
Combustible fuel input	Terajoules					
Gas-diesel oil	10363	12832	11198	10053	10482	10135
Fuel oil	63590	69407	69407	69407	69407	69407
Natural gas	115694	114151	113534	108907	95640	101811
Total input	189647	196391	194139	188367	175530	181353
Total production	61945	63572	62677	60531	56200	58185
Estimated efficiency (% of production to input)	33	32	32	32	32	32

Statistics on electricity

Tajikistan

Item	2016	2017	2018	2019	2020	2021
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	17232	18144	19743	20676	19734	20624
Combustible fuels	608	1011	1348	1507	1620	1657
Hydro	16624	17133	18395	19169	18114	18967
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	17232	18144	19743	20676	19734	20624
Combustible fuels	608	1011	1348	1507	1620	1657
Hydro	16624	17133	18395	19169	18114	18967
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	36	229	205	213	311	300
Net production	17196	17915	19538	20463	19423	20324
Imports	103	110	559	281	379	883
Exports	1427	1421	2945	3175	1870	3307
Losses	2746	*2873	*2968	2429	2549	4071
Consumption	12986	13842	13890	14167	14965	13777
Energy industries own use	64	68	..	..	..	..
By industry and construction	4758	4428	*3438	3464	2346	3925
By transport	72	30	7	*8	*8	9
By households and other cons.	8092	9316	10445	10695	12611	9843
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	6577	*6577	*6577	6451	6626	6626
Combustible fuels	719	*719	*719	718	718	718
Hydro	5858	*5858	*5858	5733	5908	5908
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	6577	*6577	*6577	6451	6626	6626
Combustible fuels	719	*719	*719	718	718	718
Hydro	5858	*5858	*5858	5733	5908	5908
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Hard Coal	*4515	10268	15785	17280	19482	15878
Total input	*4515	10268	15785	17280	19482	15878
Total production	2189	3640	4853	5425	5832	5965
Estimated efficiency (% of production to input)	48	35	31	31	30	38

Statistics on electricity
Thailand

Item	2016	2017	2018	2019	2020	2021
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	188265	181940	182288	190681	188870	*186889
Combustible fuels	180891	171453	168326	175418	176452	*174097
Hydro	3651	4833	7783	6446	4656	4687
Nuclear	..	..	..	..	..	..
Other	3723	5654	6179	8818	7761	8105
Main activity	136455	126251	118161	121749	188870	*186889
Combustible fuels	132074	119793	108237	111059	176452	*174097
Hydro	3632	4811	7745	6411	4656	4687
Nuclear	..	..	..	..	..	..
Other	749	1648	2178	4279	7761	8105
Own use in electricity, CHP and heat plants	3300	3051	2824	2932	3268	2945
Net production	184965	178889	179464	187749	185602	*183944
Imports	19825	24427	26669	25547	29551	33358
Exports	1436	1106	1093	2882	2611	1969
Losses	12225	11920	12904	13286	12973	16122
Consumption	184960	185369	188048	193176	196706	199212
Energy industries own use	..	..	..	..	..	..
By industry and construction	88878	87772	87829	86104	75218	79896
By transport	113	245	216	215	218	222
By households and other cons.	95969	97352	100003	106857	121270	119094
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	43147	44024	45179	45260	49550	52110
Combustible fuels	34721	35226	35426	35082	41959	44459
Hydro	3467	3467	*3682	*3682	3106	3109
Nuclear	..	..	..	..	..	..
Other	*4958	*5330	*6071	*6495	4485	4542
Main activity	26183	27060	28215	28296	49550	52110
Combustible fuels	19772	20277	20477	20133	41959	44459
Hydro	3452	3452	*3667	*3667	3106	3109
Nuclear	..	..	..	..	..	..
Other	*2958	*3330	*4071	*4495	4485	4542
Combustible fuel input	Terajoules					
Hard Coal	220617	206690	226974	213179	172091	152987
Brown Coal	174281	168344	150121	145137	138709	138746
Biogas	8282	10987	24932	27594	21855	25037
Gas-diesel oil	2537	1628	1480	1480	1092	2989
Fuel oil	5616	1890	608	987	1153	3460
Natural gas	1053538	1022823	1008529	1051037	1023106	1022759
Bagasse	*155836	*150652	*209211	*223288	*180326	*188195
Vegetal waste	*260994	*115727	*126390	*138253	*141193	*160521
Municipal waste	1225	1521	2831	4310	6011	7171
Black liquor	*9291	*12581	*21121	*19843	*17229	*19329
Total input	1892217	1692843	1772197	1825108	1702766	1721194
Total production	651208	617230	605974	631504	635228	*626749
Estimated efficiency (% of production to input)	34	36	34	35	37	36

Statistics on electricity
Timor-Leste

Item	2016	2017	2018	2019	2020	2021
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	415	430	453	518	506	511
Combustible fuels	413	427	450	515	503	508
Hydro	2	2	2	2	2	*2
Nuclear	..	..	..	..	..	..
Other	1	1	1	2	2	*2
Main activity	415	430	453	518	506	511
Combustible fuels	413	427	450	515	503	508
Hydro	2	2	2	2	2	*2
Nuclear	..	..	..	..	..	..
Other	1	1	1	2	2	*2
Own use in electricity, CHP and heat plants	22	23	27	31	36	31
Net production	393	406	425	487	470	480
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*80	*85	*90	*103	*100	*100
Consumption	313	321	335	384	370	380
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	313	321	335	384	370	380
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	283	283	283	283	284	277
Combustible fuels	283	283	283	283	283	276
Hydro	0	0	0	0	0	0
Nuclear	..	..	..	..	..	..
Other	1	1	1	1	1	1
Main activity	283	283	283	283	284	277
Combustible fuels	283	283	283	283	283	276
Hydro	0	0	0	0	0	0
Nuclear	..	..	..	..	..	..
Other	1	1	1	1	1	1
Combustible fuel input	Terajoules					
Gas-diesel oil	2387	3523	2861	4236	4054	4494
Total input	2387	3523	2861	4236	4054	4494
Total production	1485	1538	1622	1855	1809	1829
Estimated efficiency (% of production to input)	62	44	57	44	45	41

Statistics on electricity

Togo

Item	2016	2017	2018	2019	2020	2021
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	950	804	588	718	699	848
Combustible fuels	742	595	389	476	547	627
Hydro	208	207	196	236	144	163
Nuclear	..	..	..	..	..	..
Other	..	3	3	6	8	57
Main activity	937	798	581	706	688	837
Combustible fuels	729	591	385	469	543	624
Hydro	208	207	196	236	144	163
Nuclear	..	..	..	..	..	..
Other	..	..	..	0	1	51
Own use in electricity, CHP and heat plants	26	50	15	19	18	22
Net production	924	754	573	700	681	826
Imports	448	846	1076	837	815	801
Exports	..	104	192	118	..	..
Losses	188	171	197	98	95	115
Consumption	1185	1322	1239	1328	1378	1475
Energy industries own use	..	..	..	..	..	..
By industry and construction	413	630	604	628	642	687
By transport	..	..	..	..	..	..
By households and other cons.	772	692	635	701	737	788
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	213	227	227	230	*259	*317
Combustible fuels	158	158	157	158	*185	*193
Hydro	55	67	67	67	67	67
Nuclear	..	..	..	..	..	..
Other	..	3	4	5	7	57
Main activity	205	217	216	217	*244	*252
Combustible fuels	150	150	149	150	*177	*185
Hydro	55	67	67	67	67	67
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	129	258	155	3053	258	91
Fuel oil	5239	3621	1316	162	4969	468
Natural gas	262	1482	1141	2510	2855	5009
Fuelwood	..	..	..	43	53	53
Vegetal waste	29	..	..	..	..	..
Total input	5659	5361	2612	5768	8135	5621
Total production	2671	2141	1400	1713	1970	2258
Estimated efficiency (% of production to input)	47	40	54	30	24	40

Statistics on electricity

Tonga

Item	2016	2017	2018	2019	2020	2021
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	60	67	66	71	73	75
Combustible fuels	55	61	62	64	64	66
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	5	5	4	6	9	9
Main activity	60	67	66	71	73	75
Combustible fuels	55	61	62	64	64	66
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	5	5	4	6	9	9
Own use in electricity, CHP and heat plants	2	2	2	2	2	2
Net production	58	65	64	69	71	73
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	5	6	6	6	6	6
Consumption	*53	*59	*58	*63	*65	*67
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	*53	*59	*58	*63	*65	*67
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	20	24	24	25	*25	*26
Combustible fuels	17	18	18	18	*18	*18
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	6	6	7	8	8
Main activity	20	24	24	25	*25	*26
Combustible fuels	17	18	18	18	*18	*18
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	6	6	7	8	8
Combustible fuel input	Terajoules					
Fuel oil	*518	*542	*594	602	610	*618
Total input	*518	*542	*594	602	610	*618
Total production	199	221	221	231	230	239
Estimated efficiency (% of production to input)	38	41	37	38	38	39

Statistics on electricity
Trinidad and Tobago

Item	2016	2017	2018	2019	2020	2021
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	9419	9323	9225	9188	9225	9262
Combustible fuels	9413	9318	9220	9183	9220	9256
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	6	6	5	5	5	6
Main activity	9337	9241	9149	9112	9149	9185
Combustible fuels	9331	9236	9144	9108	9144	9180
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	6	6	5	5	5	6
Own use in electricity, CHP and heat plants	343	339	336	335	336	337
Net production	9076	8984	8889	8853	8889	8924
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	253	275	426	424	423	421
Consumption	8823	8709	8463	8429	8463	8497
Energy industries own use	..	..	..	..	..	..
By industry and construction	5334	5265	5116	5096	5116	5137
By transport	..	..	..	..	..	..
By households and other cons.	3489	3444	3347	3333	3347	3360
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	2505	2509	2156	2118	2517	2134
Combustible fuels	2502	2506	2153	2115	2513	2130
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	3	3	3	3	4	4
Main activity	2405	2405	2049	2022	2421	2036
Combustible fuels	2402	2402	2046	2019	2417	2032
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	3	3	3	3	4	4
Combustible fuel input	Terajoules					
Gas-diesel oil	301	294	300	317	318	318
Other oil products	201	158	..	..	..	..
Natural gas	109361	101416	97392	102221	95641	99806
Total input	109863	101868	97692	102538	95958	100124
Total production	33887	33543	33193	33060	33193	33322
Estimated efficiency (% of production to input)	31	33	34	32	35	33

Statistics on electricity

Tunisia

Item	2016	2017	2018	2019	2020	2021
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	19808	20589	21012	22140	21633	22143
Combustible fuels	19002	19758	20085	21038	20572	20999
Hydro	45	17	17	66	46	28
Nuclear	..	..	..	..	..	..
Other	761	814	910	1036	1015	1115
Main activity	18634	19402	19545	20549	20039	20391
Combustible fuels	18115	18936	19075	19983	19527	19925
Hydro	45	17	17	66	46	28
Nuclear	..	..	..	..	..	..
Other	474	449	453	500	465	437
Own use in electricity, CHP and heat plants	492	428	457	471	461	468
Net production	19316	20161	20555	21669	21172	21675
Imports	134	450	382	472	369	1331
Exports	255	483	484	631	969	302
Losses	3052	3507	3584	3641	3725	4610
Consumption	16001	16542	16879	17821	16803	18033
Energy industries own use	432	429	375	391	350	335
By industry and construction	5423	5389	5737	5743	5288	5791
By transport	96	94	99	94	82	67
By households and other cons.	10050	10630	10668	11593	11083	11840
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	5240	5085	4840	5926	6249	6316
Combustible fuels	4901	4734	4474	5539	5820	5822
Hydro	62	62	62	62	62	62
Nuclear	..	..	..	..	..	..
Other	277	289	304	325	367	432
Main activity	5005	4838	4578	5653	5934	5944
Combustible fuels	4703	4536	4276	5341	5622	5622
Hydro	62	62	62	62	62	62
Nuclear	..	..	..	..	..	..
Other	240	240	240	250	250	260
Combustible fuel input	Terajoules					
Gas-diesel oil	86	37	32	29	232	22
Fuel oil	687	727	808	549	492	548
Natural gas	169416	173384	176826	185286	180310	183906
Total input	170189	174149	177666	185864	181034	184477
Total production	68407	71129	72306	75737	74059	75597
Estimated efficiency (% of production to input)	40	41	41	41	41	41

Statistics on electricity
Türkiye

Item	2016	2017	2018	2019	2020	2021
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	274408	297278	304802	303898	306703	334723
Combustible fuels	185085	211290	208733	174041	181526	221312
Hydro	67231	58218	59938	88823	78094	55927
Nuclear	..	..	..	..	..	..
Other	22092	27769	36130	41034	47083	57484
Main activity	253746	276993	284884	280964	281027	304617
Combustible fuels	166450	193609	192399	155443	160684	195992
Hydro	66386	57252	58865	87540	77068	55889
Nuclear	..	..	..	..	..	..
Other	20910	26133	33620	37980	43274	52736
Own use in electricity, CHP and heat plants	12471	13020	14300	14762	14039	15183
Net production	261937	284258	290502	289136	292664	319540
Imports	6330	2728	2477	2212	1890	2334
Exports	1452	3304	3112	2789	2484	4186
Losses	35611	34659	31635	31285	29368	30997
Consumption	231204	249023	258232	257273	262702	286691
Energy industries own use	3137	3267	3298	4066	3977	4104
By industry and construction	105160	113215	114414	111610	116050	133285
By transport	1156	1247	1350	1578	1436	1571
By households and other cons.	121751	131293	139170	140020	141239	147731
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	78497	85200	88551	91267	95891	99820
Combustible fuels	44278	46762	46712	47284	47396	47820
Hydro	26681	27273	28291	28503	30984	31493
Nuclear	..	..	..	..	..	..
Other	7538	11165	13548	15480	17510	20507
Main activity	73220	79011	82113	83679	87817	91664
Combustible fuels	40055	42345	42262	42062	42113	42457
Hydro	26131	26722	27740	27951	30426	31478
Nuclear	..	..	..	..	..	..
Other	7034	9944	12112	13666	15278	17729
Combustible fuel input	Terajoules					
Hard Coal	479342	518543	612465	609747	617633	559788
Brown Coal	518993	550750	587461	617324	499674	587673
Biogas	14721	17569	20496	24824	28029	37659
Fuel oil	10342	5010	2815	3738	4395	3351
Natural gas	684008	805752	662079	425807	516229	784712
Coke-oven gas	8328	10686	11457	9757	9488	8306
Blast furnace gas	23748	25637	21013	20009	20297	21612
Fuelwood	*986	*3288	*6269	*11765	*20367	*31575
Municipal waste	..	..	171	436	364	4382
Other liquid biofuels	..	12	27	180	284	386
Others	9162	7520	2262	247	220	239
Total input	1749630	1944765	1926516	1723833	1716981	2039685
Total production	666306	760644	751440	626548	653493	796724
Estimated efficiency (% of production to input)	38	39	39	36	38	39

Statistics on electricity

Turkmenistan

Item	2016	2017	2018	2019	2020	2021
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	22534	22534	22534	22534	22534	22534
Combustible fuels	22531	22531	22531	22531	22531	22528
Hydro	3	3	3	3	3	6
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	22534	22534	22534	22534	22534	22534
Combustible fuels	22531	22531	22531	22531	22531	22528
Hydro	3	3	3	3	3	6
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	1703	1703	1703	1703	1703	1703
Net production	20831	20831	20831	20831	20831	20831
Imports	..	..	..	..	..	..
Exports	3201	3201	3201	3201	3201	3201
Losses	2892	2892	2892	2892	2892	2892
Consumption	14738	14738	14738	14738	14738	14738
Energy industries own use	2262	2262	2262	2262	2262	2262
By industry and construction	4502	4502	4502	4502	4502	4502
By transport	324	324	324	324	324	324
By households and other cons.	7650	7650	7650	7650	7650	7650
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	4675	4937	6511	6511	6511	6511
Combustible fuels	4674	4935	6510	6510	6510	6510
Hydro	1	1	1	1	1	1
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	4675	4937	6511	6511	6511	6511
Combustible fuels	4674	4935	6510	6510	6510	6510
Hydro	1	1	1	1	1	1
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Natural gas	314281	314279	314279	314279	314279	314279
Total input	314281	314279	314279	314279	314279	314279
Total production	81112	81111	81111	81111	81111	81102
Estimated efficiency (% of production to input)	26	26	26	26	26	26

Statistics on electricity

Turks and Caicos Islands

Item	2016	2017	2018	2019	2020	2021
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*245	*293	*258	*261	*256	*267
Combustible fuels	*245	*293	*257	*260	*255	*263
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	1	1	1	4
Main activity	*245	*293	*258	*261	*256	*267
Combustible fuels	*245	*293	*257	*260	*255	*263
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	1	1	1	4
Own use in electricity, CHP and heat plants	*5	*3	*9	*7	*7	*9
Net production	*240	*290	*249	*254	*249	*257
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*15	*10	*13	*13	*13	*14
Consumption	230	284	237	*241	*237	*244
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	230	284	237	*241	*237	*244
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	82	82	84	91	91	92
Combustible fuels	82	82	84	90	90	90
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	1	1	3
Main activity	82	82	84	91	91	92
Combustible fuels	82	82	84	90	90	90
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	1	1	3
Combustible fuel input	Terajoules					
Gas-diesel oil	*2580	*2666	*2774	*2855	*2817	*2872
Total input	*2580	*2666	*2774	*2855	*2817	*2872
Total production	*882	*1055	*925	*935	*918	*946
Estimated efficiency (% of production to input)	34	40	33	33	33	33

Statistics on electricity

Tuvalu

Item	2016	2017	2018	2019	2020	2021
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	8	8	9	9	9	9
Combustible fuels	6	6	7	7	7	7
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	2	2	2	2	2
Main activity	8	8	9	9	9	9
Combustible fuels	6	6	7	7	7	7
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	2	2	2	2	2
Own use in electricity, CHP and heat plants	1	1	1	1	1	1
Net production	7	7	8	8	8	8
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*1	*1	*1	*1	*1	*1
Consumption	7	7	*7	*7	*7	*7
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	7	7	*7	*7	*7	*7
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*5	*5	5	*5	*5	*6
Combustible fuels	*3	*3	3	*3	*3	*3
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	2	2	2	2	3
Main activity	*5	*5	5	*5	*5	*6
Combustible fuels	*3	*3	3	*3	*3	*3
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	2	2	2	2	3
Combustible fuel input	Terajoules					
Gas-diesel oil	59	62	*73	*73	*69	*70
Total input	59	62	*73	*73	*69	*70
Total production	22	23	24	25	26	26
Estimated efficiency (% of production to input)	38	36	33	35	38	37