

Statistics on electricity

Uganda

Item	2016	2017	2018	2019	2020	2021
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	3508	3854	4040	4364	4447	4769
Combustible fuels	244	381	405	300	246	334
Hydro	3261	3447	3602	3986	4083	4334
Nuclear	..	..	..	..	..	..
Other	4	25	32	78	118	101
Main activity	3037	3440	3389	3687	3635	3856
Combustible fuels	66	231	199	103	58	52
Hydro	2967	3183	3158	3506	3459	3703
Nuclear	..	..	..	..	..	..
Other	4	25	32	78	118	101
Own use in electricity, CHP and heat plants	0	0	0	12	43	55
Net production	3508	3854	4040	4352	4404	4714
Imports	54	65	84	104	21	24
Exports	165	317	233	299	222	393
Losses	765	755	789	814	768	1034
Consumption	2594	2802	3067	3233	3269	3581
Energy industries own use	..	..	..	..	..	..
By industry and construction	1664	1805	2012	2163	2178	2401
By transport	..	..	..	..	..	..
By households and other cons.	930	997	1055	1070	1091	1180
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	872	912	984	1255	1270	1349
Combustible fuels	166	178	198	199	197	214
Hydro	695	712	744	1004	1011	1074
Nuclear	..	..	..	..	..	..
Other	11	22	42	52	62	62
Main activity	742	752	772	1007	1023	1103
Combustible fuels	102	102	102	102	101	118
Hydro	630	630	630	855	862	925
Nuclear	..	..	..	..	..	..
Other	11	21	41	51	61	61
Combustible fuel input	Terajoules					
Fuel oil	*1030	*3515	3015	978	634	571
Bagasse	*3614	*3050	*4255	*4726	3739	5275
Total input	*4644	*6565	*7269	*5704	4373	5846
Total production	878	1371	1459	1079	887	1203
Estimated efficiency (% of production to input)	19	21	20	19	20	21

Statistics on electricity

Ukraine

Item	2016	2017	2018	2019	2020	2021
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	164573	156037	159833	154141	148408	158083
Combustible fuels	72795	58173	61104	58201	55258	52004
Hydro	9304	10520	12007	7855	7564	10333
Nuclear	80950	85576	84398	83003	76203	86206
Other	1524	1768	2324	5082	9384	9541
Main activity	158806	152061	157175	151880	145080	154508
Combustible fuels	67136	54274	58493	56077	52097	48597
Hydro	9281	10516	12005	7855	7564	10333
Nuclear	80950	85576	84398	83003	76203	86206
Other	1439	1695	2279	4944	9217	9372
Own use in electricity, CHP and heat plants	12684	11131	12740	11608	11211	8041
Net production	151889	144906	147093	142533	137197	150042
Imports	77	50	32	2238	2720	1458
Exports	3830	5226	6099	6283	5139	3497
Losses	16626	16787	16996	16434	15445	15662
Consumption	125257	122943	124030	121566	118509	123205
Energy industries own use	7817	5577	5377	4877	4999	5411
By industry and construction	49941	50235	51727	48592	45888	47977
By transport	6796	7044	6951	6603	5713	5108
By households and other cons.	60703	60087	59975	61494	61910	64709
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	57335	52764	51508	51444	58257	59351
Combustible fuels	36475	31492	29753	28535	30739	30739
Hydro	6172	6213	6243	6325	4819	4823
Nuclear	13835	13835	13835	13835	13835	13835
Other	853	1224	1677	2749	8864	9954
Main activity	53866	50499	49369	49273	56051	57145
Combustible fuels	33013	29265	27662	26464	28664	28664
Hydro	6167	6206	6238	6325	4819	4823
Nuclear	13835	13835	13835	13835	13835	13835
Other	851	1193	1634	2649	8733	9823
Combustible fuel input	Terajoules					
Hard Coal	739606	596334	634191	584784	486913	447756
Biogas	596	865	1565	1768	3622	3622
Gas-diesel oil	301	430	559	387	430	456
Fuel oil	24280	21210	6989	1899	2101	1471
Other oil products	1005	925	4543	4273	1005	864
Natural gas	157126	145990	178481	165157	197829	199880
Coke-oven gas	9809	14391	15911	14515	16884	18497
Blast furnace gas	25568	26744	28839	24685	23428	24093
Fuelwood	0	0	0	0	6889	6889
Peat products	176	195	156	88	117	163
Others	1401	47	47	24	26	26
Total input	959868	807131	871281	797580	739244	703717
Total production	262062	209423	219974	209524	198928	187213
Estimated efficiency (% of production to input)	27	26	25	26	27	27

Statistics on electricity
United Arab Emirates

Item	2016	2017	2018	2019	2020	2021
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*129613	*134569	*136014	*138454	*137310	149053
Combustible fuels	*129304	*133835	*134711	*134674	*131835	143301
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	309	734	1303	3780	5475	5752
Main activity	*129613	*134569	*136014	*138454	*137310	149053
Combustible fuels	*129304	*133835	*134711	*134674	*131835	143301
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	309	734	1303	3780	5475	5752
Own use in electricity, CHP and heat plants	*11181	*11718	*11715	*11502	*12057	12748
Net production	*118432	*122851	*124299	*126952	*125253	136305
Imports	1141	514	488	245	206	868
Exports	506	617	517	257	235	657
Losses	9697	11718	8436	7011	7030	7277
Consumption	110645	114485	116390	119941	118223	129028
Energy industries own use	..	..	..	..	..	..
By industry and construction	9634	10011	10499	10406	19561	20339
By transport	..	..	..	..	..	..
By households and other cons.	101011	104475	105890	109535	98663	108689
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	28761	30371	*30934	*33042	34901	35678
Combustible fuels	28638	30048	*30349	*31287	32846	33106
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	123	323	585	1755	2055	2572
Main activity	28761	30371	*30934	*33042	34901	35678
Combustible fuels	28638	30048	*30349	*31287	32846	33106
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	123	323	585	1755	2055	2572
Combustible fuel input	Terajoules					
Hard Coal	..	..	..	..	..	26753
Gas-diesel oil	*23650	22747	24394	6401	5926	6995
Fuel oil	*2141	*2141	*2182	2133	2100	2203
Natural gas	1349892	1383323	1384793	1370949	1332727	1338665
Municipal waste	..	..	374	96	30	238
Total input	1375683	1408211	1411742	1379580	1340783	1374853
Total production	*465494	*481806	*484960	*484827	*474606	515884
Estimated efficiency (% of production to input)	34	34	34	35	35	38

Statistics on electricity
United Kingdom

Item	2016	2017	2018	2019	2020	2021
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	337244	337429	331997	323199	310748	307317
Combustible fuels	209635	197236	189629	183059	163537	177217
Hydro	8329	8754	7942	7689	8404	7390
Nuclear	71726	70336	65064	56184	50278	45904
Other	47554	61103	69363	76267	88529	76805
Main activity	287281	282740	275047	262448	249853	249087
Combustible fuels	175898	161420	152230	141384	122694	136100
Hydro	6910	7051	6299	5946	6537	5610
Nuclear	71726	70336	65064	56184	50278	45904
Other	32747	43932	51454	58934	70344	61472
Own use in electricity, CHP and heat plants	15333	16580	15405	11248	10746	10157
Net production	321911	320849	316593	311951	300003	297160
Imports	20018	18167	21332	24556	22391	28743
Exports	2273	3407	2225	3385	4481	4166
Losses	26330	26835	25651	25725	26295	25341
Consumption	313457	308958	309613	304862	289534	295494
Energy industries own use	11170	10971	10206	8983	8926	9455
By industry and construction	91438	90462	92593	92329	83904	85312
By transport	4823	5017	5225	5557	5352	5524
By households and other cons.	206026	202508	201589	197993	191351	195204
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	97500	103280	106507	103207	102729	103283
Combustible fuels	55453	56886	57784	51912	50623	50615
Hydro	4733	4770	4777	4780	4786	4791
Nuclear	9261	9261	9261	9261	9261	8141
Other	28053	32363	34685	37254	38059	39735
Main activity	72908	78452	81062	77217	77276	77352
Combustible fuels	44364	45691	46128	39531	38398	38286
Hydro	4299	4299	4301	4301	4298	4299
Nuclear	9261	9261	9261	9261	9261	8141
Other	14984	19201	21372	24125	25319	26627
Combustible fuel input	Terajoules					
Hard Coal	317097	229993	174276	78150	63971	73125
Biogas	96532	97423	95227	69066	67962	69124
Refinery gas	12425	13053	9298	6461	6634	7330
Natural gas	1073072	1029713	984231	981833	836353	913859
Blast furnace gas	19347	18055	16907	15029	15029	14907
Fuelwood	*122739	*116849	*136567	*150011	*160112	*167704
Animal waste	*4422	*3877	*3296	*4096	*4215	*3959
Vegetal waste	*19006	*37552	*42156	*46625	*44739	*49925
Municipal waste	66242	70208	81302	90492	92856	97286
Industrial waste	2141	4773	4449	3613	3903	3890
Others	13583	12440	11984	9716	9127	8653
Total input	1746606	1633936	1559693	1455091	1304901	1409763
Total production	754686	710051	682666	659011	588735	637981
Estimated efficiency (% of production to input)	43	43	44	45	45	45

Statistics on electricity

United Rep. of Tanzania

Item	2016	2017	2018	2019	2020	2021
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	6819	7077	7543	7837	7855	8667
Combustible fuels	4420	4688	5055	5270	4664	5533
Hydro	2366	2350	*2400	2477	3139	3086
Nuclear	..	..	..	..	..	..
Other	33	39	88	89	51	47
Main activity	6778	7031	7447	7739	7795	8612
Combustible fuels	4412	4681	5047	5262	4656	5525
Hydro	2366	2350	*2400	2477	3139	3086
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	34	141	353	203	161	173
Net production	6785	6936	7190	7634	7694	8493
Imports	102	106	118	113	114	144
Exports	..	..	..	..	..	..
Losses	1221	1138	947	1049	1110	1182
Consumption	5362	5925	6286	6634	6561	7244
Energy industries own use	41	47	55	50	55	55
By industry and construction	1346	1535	1546	1550	1451	1548
By transport	..	..	..	..	..	..
By households and other cons.	3975	4342	4685	5034	5055	5640
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	1394	1412	1607	1530	*1608	*1736
Combustible fuels	808	829	1015	931	*1000	*1126
Hydro	567	562	567	574	574	575
Nuclear	..	..	..	..	..	..
Other	18	22	25	26	*35	*35
Main activity	1356	1358	1396	1318	*1394	*1515
Combustible fuels	788	796	829	745	*818	*938
Hydro	567	562	567	574	574	575
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	2	2
Combustible fuel input	Terajoules					
Gas-diesel oil	1161	2887	423	754	747	763
Fuel oil	2262	754	1222	..	..	191
Natural gas	40970	43220	48695	51142	45091	53632
Bagasse	1242	1297	1297	1296	1323	1323
Total input	45635	48158	51637	53192	47162	55909
Total production	15912	16878	18196	18972	16791	19920
Estimated efficiency (% of production to input)	35	35	35	36	36	36

Statistics on electricity
United States

Item	2016	2017	2018	2019	2020	2021
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	4322038	4286429	4455439	4391761	4260044	4374676
Combustible fuels	2886040	2770054	2912041	2818743	2643838	2731127
Hydro	292113	325114	317004	310571	308213	274096
Nuclear	839918	838861	841329	843330	823150	811551
Other	303967	352399	385065	419116	484843	557901
Main activity	4141317	4100488	4262168	4192264	4059965	4173511
Combustible fuels	2725711	2608106	2746063	2650495	2479922	2571318
Hydro	290596	323458	315587	309332	306981	272878
Nuclear	839918	838861	841329	843330	823150	811551
Other	285092	330062	359190	389106	449912	517762
Own use in electricity, CHP and heat plants	202593	200426	218511	196187	179320	187228
Net production	4119445	4086003	4236927	4195573	4080724	4187449
Imports	72716	65685	58261	59052	61449	53167
Exports	6214	9371	13804	20008	14135	13855
Losses	234807	226114	211136	244112	197969	244112
Consumption	3951140	3916203	4070248	3990506	3930069	3982648
Energy industries own use	137199	160087	169372	160554	152279	144440
By industry and construction	796896	778435	772827	748851	710300	838638
By transport	10605	11089	12283	13838	10248	12805
By households and other cons.	3006440	2966591	3115765	3067264	3057242	2986766
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	1086849	1100333	1119130	1127771	1147892	1180315
Combustible fuels	764787	762764	767009	758592	750146	750174
Hydro	102692	102703	102800	102650	103039	103016
Nuclear	99565	99629	99433	98119	96501	95546
Other	119805	135236	149888	168410	198207	231579
Main activity	1042991	1052995	1067930	1072930	1087879	1114699
Combustible fuels	735654	733659	737457	729097	720113	719902
Hydro	102335	102346	102517	102360	102750	102717
Nuclear	99565	99629	99433	98119	96501	95546
Other	105437	117362	128524	143353	168515	196534
Combustible fuel input	Terajoules					
Hard Coal	6528743	6008203	5511906	4657978	3734918	4427459
Brown Coal	6817768	6992253	6938984	5868905	4750348	5427114
Biogas	150566	151529	148717	141641	138182	126401
Gas-diesel oil	56158	60948	106759	86805	87120	87779
Fuel oil	69044	64365	112053	97470	113847	108207
Petroleum coke	125580	106612	109908	83524	94826	94450
Natural gas	11524237	10770702	12277185	13124962	13449542	13014661
Fuelwood	*275926	*283658	*279490	*258291	*239119	*164620
Municipal waste	280711	270064	275832	268342	267803	266266
Black liquor	*128716	*127622	*119148	*110404	*107557	*140818
Others	144916	139868	156240	148833	134488	145415
Total input	26102365	24975824	26036221	24847157	23117749	24003190
Total production	10389744	9972194	10483349	10147476	9517816	9832058
Estimated efficiency (% of production to input)	40	40	40	41	41	41

Statistics on electricity

United States Virgin Is.

Item	2016	2017	2018	2019	2020	2021
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	707	537	625	637	666	710
Combustible fuels	674	516	596	605	635	675
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*33	*21	29	*32	*32	*34
Main activity	688	524	611	620	649	693
Combustible fuels	674	516	596	605	635	675
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	14	8	15	15	14	17
Own use in electricity, CHP and heat plants	*1	0	0	0	0	*1
Net production	706	537	624	636	666	709
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*58	*45	*58	*57	*60	*65
Consumption	*649	*492	*567	*579	*606	*644
Energy industries own use	..	..	..	..	..	..
By industry and construction	*273	*210	*242	*246	*261	*277
By transport	..	..	..	..	..	..
By households and other cons.	*376	*282	*325	*333	*346	*367
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	340	336	341	*341	*342	*343
Combustible fuels	316	316	316	*316	*316	*316
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*24	*20	*25	*25	*26	*27
Main activity	325	321	326	*326	*326	*326
Combustible fuels	316	316	316	*316	*316	*316
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	9	5	10	10	10	10
Combustible fuel input	Terajoules					
Total input	..	..	..	..	..	..
Total production	2426	1858	2146	2178	2285	2432
Estimated efficiency (% of production to input)	..	..	..	..	..	..

Statistics on electricity

Uruguay

Item	2016	2017	2018	2019	2020	2021
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	13885	14363	14623	16090	13557	15953
Combustible fuels	2896	2802	2921	2806	3526	5206
Hydro	7842	7518	6557	8108	4094	5273
Nuclear	..	..	..	..	..	..
Other	3146	4043	5146	5176	5938	5475
Main activity	12274	12713	12857	14388	11825	14185
Combustible fuels	1295	1167	1177	1138	1833	3483
Hydro	7842	7518	6557	8108	4094	5273
Nuclear	..	..	..	..	..	..
Other	3137	4028	5123	5142	5898	5429
Own use in electricity, CHP and heat plants	393	350	431	436	445	402
Net production	13491	14014	14192	15654	13112	15552
Imports	25	3	14	0	515	55
Exports	779	1462	1195	3011	1148	2844
Losses	1340	1437	1557	1322	1129	1234
Consumption	11518	11163	11570	11439	11458	11645
Energy industries own use	116	44	117	118	111	116
By industry and construction	3530	3573	3734	3639	3577	3664
By transport	0	0	1	1	3	4
By households and other cons.	7872	7546	7718	7681	7768	7860
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	3913	4537	4902	4901	4905	4914
Combustible fuels	1075	1243	1603	1593	1593	1593
Hydro	1538	1538	1538	1538	1538	1538
Nuclear	..	..	..	..	..	..
Other	1301	1756	1762	1770	1774	1783
Main activity	3447	4069	4432	4423	4423	4423
Combustible fuels	643	826	1186	1176	1176	1176
Hydro	1538	1538	1538	1538	1538	1538
Nuclear	..	..	..	..	..	..
Other	1266	1705	1708	1709	1710	1710
Combustible fuel input	Terajoules					
Gas-diesel oil	3423	1617	2894	1299	6054	16680
Fuel oil	1220	570	1244	404	1107	2541
Natural gas	0	365	113	1106	0	67
Fuelwood	205	64	116	87	78	96
Bagasse	86	86	88	104	122	105
Vegetal waste	2496	2339	2826	1801	3105	3564
Black liquor	9670	10303	9942	9999	10591	10655
Total input	17099	15343	17223	14800	21057	33708
Total production	10426	10088	10515	10102	12692	18741
Estimated efficiency (% of production to input)	61	66	61	68	60	56

Statistics on electricity
Uzbekistan

Item	2016	2017	2018	2019	2020	2021
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	58634	60323	62408	63021	66516	71414
Combustible fuels	51773	52393	56510	56544	61502	66391
Hydro	6860	7930	5897	6462	4999	4972
Nuclear	..	..	..	..	..	..
Other	0	1	0	16	16	50
Main activity	58634	60323	62408	63021	66516	71117
Combustible fuels	51773	52393	56510	56544	61502	66094
Hydro	6860	7930	5897	6462	4999	4972
Nuclear	..	..	..	..	..	..
Other	0	1	0	16	16	50
Own use in electricity, CHP and heat plants	797	820	2335	4046	2257	1750
Net production	57837	59503	60073	58975	64259	69664
Imports	5278	6945	2233	3379	5207	6232
Exports	6774	7585	2627	2067	2687	2644
Losses	*3395	*3524	968	845	9975	10682
Consumption	48503	50350	53514	54175	51951	57823
Energy industries own use	..	..	..	..	..	2191
By industry and construction	21397	22623	15422	17382	19732	20249
By transport	1166	1222	1475	2115	1058	1122
By households and other cons.	25940	26504	36618	34678	31161	34260
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	14104	14378	15046	16798	17502	16699
Combustible fuels	12222	12516	12276	14032	14620	14543
Hydro	1880	1858	1915	1908	2023	2052
Nuclear	..	..	..	..	..	..
Other	2	4	*854	*859	*859	104
Main activity	14104	14378	15046	16798	17502	16596
Combustible fuels	12222	12516	12276	14032	14620	14440
Hydro	1880	1858	1915	1908	2023	2052
Nuclear	..	..	..	..	..	..
Other	2	4	*854	*859	*859	104
Combustible fuel input	Terajoules					
Hard Coal	2030	1552	..	..	..	..
Brown Coal	43592	45679	46161	51683	57643	46136
Gas-diesel oil	30	39	39	61	64	60
Fuel oil	3253	3681	5329	8313	5715	*7506
Natural gas	502212	484477	497192	514742	507855	*519522
Total input	551117	535428	548720	574799	571277	*573223
Total production	186384	188614	203437	203557	221405	239008
Estimated efficiency (% of production to input)	34	35	37	35	39	42

Statistics on electricity

Vanuatu

Item	2016	2017	2018	2019	2020	2021
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	75	80	81	84	78	79
Combustible fuels	62	63	63	63	57	59
Hydro	5	7	8	8	8	8
Nuclear	..	..	..	..	..	..
Other	8	9	11	13	*13	*11
Main activity	75	80	81	84	78	79
Combustible fuels	62	63	63	63	57	59
Hydro	5	7	8	8	8	8
Nuclear	..	..	..	..	..	..
Other	8	9	11	13	*13	*11
Own use in electricity, CHP and heat plants	3	2	3	4	*3	*2
Net production	72	77	78	80	75	77
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	5	5	6	6	5	4
Consumption	69	72	72	75	70	*73
Energy industries own use	..	..	..	..	..	..
By industry and construction	23	28	27	29	*29	23
By transport	..	..	..	..	..	..
By households and other cons.	46	44	45	46	41	*49
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	32	33	31	33	33	*34
Combustible fuels	26	26	24	25	26	*26
Hydro	1	1	1	1	1	1
Nuclear	..	..	..	..	..	..
Other	5	6	6	6	6	6
Main activity	32	33	31	33	33	*34
Combustible fuels	26	26	24	25	26	*26
Hydro	1	1	1	1	1	1
Nuclear	..	..	..	..	..	..
Other	5	6	6	6	6	6
Combustible fuel input	Terajoules					
Gas-diesel oil	570	617	609	606	540	559
Other liquid biofuels	*19	0	5	8	8	*9
Total input	589	617	614	614	548	568
Total production	222	228	228	227	205	213
Estimated efficiency (% of production to input)	38	37	37	37	37	38

Statistics on electricity
Venezuela (Bolivar. Rep.)

Item	2016	2017	2018	2019	2020	2021
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	118135	112241	94248	79676	82471	84730
Combustible fuels	55068	42099	28917	16819	15254	16858
Hydro	62959	70035	65282	62789	67190	67845
Nuclear	..	..	..	..	..	..
Other	109	106	*49	68	27	26
Main activity	116161	110344	92426	78120	81618	83876
Combustible fuels	53099	40208	27099	15267	14405	16009
Hydro	62959	70035	65282	62789	67190	67845
Nuclear	..	..	..	..	..	..
Other	104	101	*45	63	23	22
Own use in electricity, CHP and heat plants	1490	3250	2440	1989	1234	1263
Net production	116645	108991	91808	77687	81237	83467
Imports	0	0	0	0	0	0
Exports	1107	1096	970	152	14	0
Losses	33543	32275	16674	17159	544	490
Consumption	81994	75621	74164	60377	80681	82978
Energy industries own use	*1707	2652	2536	2225	1787	1173
By industry and construction	13758	16627	10164	8068	9400	7412
By transport	*222	235	295	247	245	240
By households and other cons.	66306	56106	61169	49837	69249	74153
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	32970	32382	31667	33338	33117	36360
Combustible fuels	17777	17138	16460	18107	17886	19210
Hydro	15137	15137	15101	15123	15123	17042
Nuclear	..	..	..	..	..	..
Other	56	107	106	108	108	108
Main activity	31957	31370	30656	32325	32104	35347
Combustible fuels	16767	16128	15450	17097	16876	18200
Hydro	15137	15137	15101	15123	15123	17042
Nuclear	..	..	..	..	..	..
Other	53	105	105	105	105	105
Combustible fuel input	Terajoules					
Gas-diesel oil	199262	*198716	*161456	*57796	*11739	*12324
Fuel oil	22624	21731	20885	*36691	*707	2578
Natural gas	326524	313807	*226721	*142383	140895	142444
Bagasse	..	*340	*277	*512	*392	*448
Total input	548410	534595	*409340	*237382	153733	157794
Total production	198245	151558	104102	60549	54915	60691
Estimated efficiency (% of production to input)	36	28	25	26	36	38

Statistics on electricity
Viet Nam

Item	2016	2017	2018	2019	2020	2021
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	181653	198499	213199	*232602	240543	253498
Combustible fuels	116244	109354	128576	*142200	156672	143728
Hydro	65188	88875	84205	85097	73461	78633
Nuclear	..	..	..	..	..	..
Other	221	270	418	5305	10410	31137
Main activity	176739	194217	208917	*228320	231947	244820
Combustible fuels	111412	105154	124376	*138000	148158	135132
Hydro	65108	88795	84125	85017	73381	78553
Nuclear	..	..	..	..	..	..
Other	219	268	416	5303	10408	31135
Own use in electricity, CHP and heat plants	5269	6906	6759	11878	9598	15295
Net production	176384	191593	206440	*220724	230945	238204
Imports	3313	2352	1722	2401	3067	1403
Exports	2215	1825	733	1311	1555	582
Losses	*13732	13871	14728	14765	14653	16445
Consumption	159791	174653	192701	207049	215743	223529
Energy industries own use	..	..	..	..	..	..
By industry and construction	85686	95791	106136	111934	115582	121685
By transport	..	..	..	..	..	..
By households and other cons.	74105	78862	86565	95115	100161	101844
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*43416	*44334	*44815	57444	78066	82431
Combustible fuels	*25783	*25953	*26125	30690	39713	*39713
Hydro	17461	18161	18341	20678	21169	21934
Nuclear	..	..	..	..	..	..
Other	172	220	349	6076	17184	20784
Main activity	*38025	*38851	*39332	51961	72583	76948
Combustible fuels	*20728	*20828	*21000	25565	34588	*34588
Hydro	17131	17809	17989	20326	20817	21582
Nuclear	..	..	..	..	..	..
Other	166	214	343	6070	17178	20778
Combustible fuel input	Terajoules					
Hard Coal	614098	561954	684450	1386620	1390254	1342002
Gas-diesel oil	6751	3526	1548	6837	6794	570
Fuel oil	8767	3798	1172	10868	7030	1585
Natural gas	366913	314848	288261	300319	274608	208455
Fuelwood	44756	1319	36111	37556	39063	49428
Total input	1041284	885444	1011542	1742199	1717748	1602040
Total production	418478	393674	462874	*511920	564018	517422
Estimated efficiency (% of production to input)	40	44	46	29	33	32

Statistics on electricity
Wallis and Futuna Is.

Item	2016	2017	2018	2019	2020	2021
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*20	*20	*20	*21	*23	*24
Combustible fuels	*20	*19	*20	*20	*22	*23
Hydro	0	0	0	0	0	0
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Main activity	*20	*20	*20	*21	*23	*24
Combustible fuels	*20	*19	*20	*20	*22	*23
Hydro	0	0	0	0	0	0
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Own use in electricity, CHP and heat plants	*3	*2	*1	0	*1	*1
Net production	*18	*17	*19	*20	*22	*23
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	0	0	0	0	0	0
Consumption	*17	*17	*19	*20	*22	*22
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	*17	*17	*19	*20	*22	*22
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	9	9	9	9	9	*9
Combustible fuels	9	9	9	9	9	*9
Hydro	0	0	0	0	0	0
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Main activity	9	9	9	9	9	*9
Combustible fuels	9	9	9	9	9	*9
Hydro	0	0	0	0	0	0
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Combustible fuel input	Terajoules					
Gas-diesel oil	*187	*183	*188	*196	*209	*215
Total input	*187	*183	*188	*196	*209	*215
Total production	*71	*69	*70	*73	*79	*83
Estimated efficiency (% of production to input)	38	38	37	37	38	39

Statistics on electricity

Yemen

Item	2016	2017	2018	2019	2020	2021
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	4798	4050	3487	3277	2939	2915
Combustible fuels	4643	3856	3003	2792	2449	2425
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	155	194	484	484	490	490
Main activity	4387	3613	2758	2544	2222	2200
Combustible fuels	4387	3613	2758	2544	2222	2200
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	712	586	448	413	361	357
Net production	4086	3464	3040	2864	2578	2558
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	1164	959	732	675	590	584
Consumption	2379	2301	2210	2220	2212	2248
Energy industries own use	..	..	..	..	..	..
By industry and construction	97	80	61	56	49	49
By transport	..	..	..	..	..	..
By households and other cons.	2282	2221	2149	2164	2162	2200
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	1769	*1769	*1769	*1769	*1753	*1757
Combustible fuels	1519	*1519	*1519	*1519	*1500	*1500
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*250	*250	*250	250	253	257
Main activity	1402	*1402	*1402	*1402	*1383	*1383
Combustible fuels	1402	*1402	*1402	*1402	*1383	*1383
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	16469	15634	14444	13320	10975	9664
Fuel oil	16241	15417	14185	13016	10659	9314
Natural gas	20045	12027	4009	4009	5212	8018
Total input	52755	43077	32638	30345	26845	26996
Total production	16715	13883	10811	10052	8817	8729
Estimated efficiency (% of production to input)	32	32	33	33	33	32

Statistics on electricity

Zambia

Item	2016	2017	2018	2019	2020	2021
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	11771	14536	16282	15115	15237	17718
Combustible fuels	746	2065	2574	2669	2294	1498
Hydro	11025	12471	13706	12329	12793	16073
Nuclear	..	..	..	..	..	..
Other	0	0	1	118	150	148
Main activity	11695	14458	16203	15037	15159	17636
Combustible fuels	670	1987	2496	2591	2216	1415
Hydro	11025	12471	13706	12329	12793	16073
Nuclear	..	..	..	..	..	..
Other	0	0	1	118	150	148
Own use in electricity, CHP and heat plants	401	438	408	411	457	536
Net production	11370	14098	15873	14704	14780	17182
Imports	2185	753	152	198	130	18
Exports	794	1063	1226	976	1340	2152
Losses	*1903	*1607	*1886	*1586	*2067	*2217
Consumption	10858	12192	12898	12341	11504	12831
Energy industries own use	..	..	..	..	..	..
By industry and construction	6455	7025	7282	7060	6452	6936
By transport	28	32	33	31	29	32
By households and other cons.	4375	5135	5583	5250	5023	5863
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	2860	2931	2933	3016	3046	3436
Combustible fuels	472	532	533	528	558	645
Hydro	2388	2398	2398	2399	2399	2703
Nuclear	..	..	..	..	..	..
Other	0	0	1	89	89	89
Main activity	2827	2896	2898	2981	3011	3316
Combustible fuels	439	498	499	494	524	525
Hydro	2388	2398	2398	2399	2399	2703
Nuclear	..	..	..	..	..	..
Other	0	0	1	89	89	89
Combustible fuel input	Terajoules					
Hard Coal	3904	15353	24485	20017	22735	15559
Gas-diesel oil	430	516	*5160	*8600	*5590	*4300
Fuel oil	2747	4808	*6747	*8484	*4363	*1034
Bagasse	*1367	*1367	*1367	*1367	*1367	*1370
Total input	8448	22043	37758	38468	34055	22263
Total production	2684	7435	9267	9609	8260	5393
Estimated efficiency (% of production to input)	32	34	25	25	24	24

Statistics on electricity
Zimbabwe

Item	2016	2017	2018	2019	2020	2021
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	7090	7552	9369	8402	6673	8454
Combustible fuels	4175	3583	4320	4236	2843	2508
Hydro	2915	3969	5049	4166	3805	5928
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	24	18
Main activity	6812	7385	9163	8192	6564	8454
Combustible fuels	3897	3416	4114	4026	2734	2508
Hydro	2915	3969	5049	4166	3805	5928
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	24	18
Own use in electricity, CHP and heat plants	170	143	173	169	114	100
Net production	6920	7408	9196	8233	6559	8354
Imports	2220	2569	1177	1612	2337	2194
Exports	369	351	161	504	355	450
Losses	1625	1730	1740	1545	1438	1754
Consumption	7276	7880	8506	8061	7336	8645
Energy industries own use	..	..	..	..	..	..
By industry and construction	2642	3359	3703	3681	3350	3947
By transport	..	..	..	..	..	..
By households and other cons.	4634	4521	4803	4380	3986	4697
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	2020	2020	2324	*2357	*2359	*2373
Combustible fuels	1265	1265	1265	*1265	*1265	*1265
Hydro	750	750	1050	1080	1080	1080
Nuclear	..	..	..	..	..	..
Other	5	5	9	12	14	28
Main activity	1975	1975	2279	*2312	*2314	*2328
Combustible fuels	1220	1220	1220	*1220	*1220	*1220
Hydro	750	750	1050	1080	1080	1080
Nuclear	..	..	..	..	..	..
Other	5	5	9	12	14	28
Combustible fuel input	Terajoules					
Hard Coal	60552	52354	56030	51826	39754	40984
Gas-diesel oil	2924	689	2	..	..	..
Bagasse	*2117	*2180	*2687	*2741	*1423	*3
Total input	65593	55223	58720	54567	41177	40987
Total production	15029	12898	15553	15251	10236	9029
Estimated efficiency (% of production to input)	23	23	26	28	25	22