

Statistics on electricity
Uganda

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	3300	3508	3854	4040	4364	*4445
Combustible fuels	247	244	381	405	300	246
Hydro	3052	3261	3447	3602	3986	*4081
Nuclear	..	..	..	..	..	..
Other	..	4	25	32	78	118
Main activity	2819	3037	3440	3389	3687	*3765
Combustible fuels	73	66	231	199	103	58
Hydro	2745	2967	3183	3158	3506	*3590
Nuclear	..	..	..	..	..	..
Other	..	4	25	32	78	118
Own use in electricity, CHP and heat plants	0	0	0	0	12	*43
Net production	3300	3508	3854	4040	4352	*4402
Imports	49	54	65	84	104	21
Exports	122	165	317	233	299	222
Losses	713	765	755	789	814	768
Consumption	2487	2594	2802	3067	3233	3269
Energy industries own use	..	..	..	..	..	..
By industry and construction	1581	1664	1805	2012	2163	2178
By transport	..	..	..	..	..	..
By households and other cons.	906	930	997	1055	1070	1091
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	861	872	912	984	1255	1270
Combustible fuels	166	166	178	198	199	197
Hydro	695	695	712	744	1004	1011
Nuclear	..	..	..	..	..	..
Other	..	11	22	42	52	62
Main activity	732	742	752	772	1007	1023
Combustible fuels	102	102	102	102	102	101
Hydro	630	630	630	630	855	862
Nuclear	..	..	..	..	..	..
Other	..	11	21	41	51	61
Combustible fuel input	Terajoules					
Gas-diesel oil	43	..	..	..	..	..
Fuel oil	723	*1030	*3515	3015	978	634
Bagasse	*3305	*3614	*3050	*4255	*4726	*3737
Total input	*4072	*4644	*6565	*7269	*5704	*4372
Total production	890	878	1371	1459	1079	887
Estimated efficiency (% of production to input)	22	19	21	20	19	20

Statistics on electricity
Ukraine

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	163682	164573	156037	159833	154141	146993
Combustible fuels	67523	72795	58173	61104	58201	55258
Hydro	6971	9304	10520	12007	7855	7487
Nuclear	87627	80950	85576	84398	83003	76203
Other	1561	1524	1768	2324	5082	8045
Main activity	161468	158806	152061	157175	151880	143665
Combustible fuels	65328	67136	54274	58493	56077	52097
Hydro	6954	9281	10516	12005	7855	7487
Nuclear	87627	80950	85576	84398	83003	76203
Other	1559	1439	1695	2279	4944	7878
Own use in electricity, CHP and heat plants	13032	12684	11131	12740	11608	9796
Net production	150650	151889	144906	147093	142533	137197
Imports	2241	77	50	32	2238	2720
Exports	3591	3830	5226	6099	6283	5139
Losses	17442	16626	16787	16996	16434	15445
Consumption	126024	125257	122943	124030	121566	118509
Energy industries own use	7035	7817	5577	5377	4877	4999
By industry and construction	49963	49941	50235	51727	48592	45888
By transport	6807	6796	7044	6951	6603	5713
By households and other cons.	62219	60703	60087	59975	61494	61910
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	55904	57335	52764	51508	51444	*56982
Combustible fuels	35335	36475	31492	29753	28535	*28539
Hydro	5883	6172	6213	6243	6325	*6325
Nuclear	13835	13835	13835	13835	13835	*13385
Other	851	853	1224	1677	2749	*8733
Main activity	53145	53866	50499	49369	49273	*54776
Combustible fuels	32584	33013	29265	27662	26464	*26464
Hydro	5878	6167	6206	6238	6325	*6325
Nuclear	13835	13835	13835	13835	13835	*13385
Other	848	851	1193	1634	2649	*8602
Combustible fuel input	Terajoules					
Hard Coal	691875	739606	596334	634191	584784	486913
Biogas	161	596	865	1565	1768	3622
Gas-diesel oil	215	301	430	559	387	430
Fuel oil	11029	24280	21210	6989	1899	2101
Other oil products	804	1005	925	4543	4273	1005
Natural gas	169205	157126	145990	178481	165157	197829
Coke-oven gas	6939	9809	14391	15911	14515	16884
Blast furnace gas	18013	25568	26744	28839	24685	23428
Fuelwood	8651	0	0	0	0	6889
Peat products	127	176	195	156	88	117
Others	9677	1401	47	47	24	17
Total input	916695	959868	807131	871281	797580	739234
Total production	243083	262062	209423	219974	209524	198928
Estimated efficiency (% of production to input)	27	27	26	25	26	27

Statistics on electricity
United Arab Emirates

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*127383	*129613	*134569	*136014	*138454	*137310
Combustible fuels	*127092	*129304	*133835	*134711	*134674	*131835
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	292	309	734	1303	3780	5475
Main activity	*127383	*129613	*134569	*136014	*138454	*137310
Combustible fuels	*127092	*129304	*133835	*134711	*134674	*131835
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	292	309	734	1303	3780	5475
Own use in electricity, CHP and heat plants	*4429	*11181	*11718	*11715	*11502	*12057
Net production	*122954	*118432	*122851	*124299	*126952	*125253
Imports	234	1141	514	488	245	206
Exports	249	506	617	517	257	235
Losses	9141	9697	11718	8436	7011	7030
Consumption	108947	110645	114485	116390	119941	118223
Energy industries own use	..	..	..	..	..	..
By industry and construction	9677	9634	10011	10499	10406	19561
By transport	..	..	..	..	..	..
By households and other cons.	99270	101011	104475	105890	109535	98663
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	28745	28761	30371	*30934	*33042	34901
Combustible fuels	28622	28638	30048	*30349	*31287	32846
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	123	123	323	585	1755	2055
Main activity	28745	28761	30371	*30934	*33042	34901
Combustible fuels	28622	28638	30048	*30349	*31287	32846
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	123	123	323	585	1755	2055
Combustible fuel input	Terajoules					
Gas-diesel oil	23521	*23650	22747	24394	6401	67267
Fuel oil	2020	*2141	*2141	*2182	2133	2100
Natural gas	*1248672	1349892	1383323	1384793	1370949	1332727
Total input	*1274213	1375683	1408211	1411369	1379484	1402093
Total production	*457529	*465494	*481806	*484960	*484827	*474606
Estimated efficiency (% of production to input)	36	34	34	34	35	34

Statistics on electricity
United Kingdom

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	339671	339160	337884	333162	323846	311259
Combustible fuels	212479	211551	197692	190572	183670	164286
Hydro	9037	8329	8754	7942	7603	8156
Nuclear	70345	71726	70336	65064	56184	50278
Other	47810	47554	61103	69585	76389	88538
Main activity	290867	287607	282740	275047	261765	248190
Combustible fuels	178214	176224	161420	152230	140700	121168
Hydro	7646	6910	7051	6299	5946	6400
Nuclear	70345	71726	70336	65064	56184	50278
Other	34662	32747	43932	51454	58934	70344
Own use in electricity, CHP and heat plants	17448	15264	15157	15177	13675	13098
Net production	322223	323896	322727	317986	310171	298161
Imports	22961	20018	18167	21332	24556	22391
Exports	1855	2273	3407	2225	3385	4481
Losses	28607	26330	26835	25651	25450	26323
Consumption	314821	315443	310836	311007	305461	289270
Energy industries own use	11137	11170	10971	10206	8978	8780
By industry and construction	93045	93424	92340	93986	92344	83904
By transport	4614	4823	5017	5225	6021	5014
By households and other cons.	206025	206026	202508	201589	198118	191573
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	96395	97500	103280	106507	102913	101367
Combustible fuels	58316	55453	56886	57784	51746	50481
Hydro	4677	4733	4770	4777	4778	4776
Nuclear	9487	9261	9261	9261	9261	8141
Other	23915	28053	32363	34685	37129	37969
Main activity	78936	72908	78452	81062	77217	76156
Combustible fuels	51961	44364	45691	46128	39531	38398
Hydro	4357	4299	4299	4301	4301	4298
Nuclear	9487	9261	9261	9261	9261	8141
Other	13131	14984	19201	21372	24125	25319
Combustible fuel input	Terajoules					
Hard Coal	758859	317097	229993	174276	78205	64134
Biogas	91653	94754	95254	92922	91062	89892
Gas-diesel oil	4171	3827	4101	3728	3813	3903
Refinery gas	12128	12425	13053	9298	11138	6441
Natural gas	765476	1073072	1029713	984231	982460	849440
Blast furnace gas	26847	19347	18055	16907	17845	18012
Fuelwood	*110185	*119236	*117608	*137824	*158710	*168766
Vegetal waste	*31281	*22410	*36694	*40799	*37381	*36033
Municipal waste	53310	66242	70208	81302	90982	93028
Industrial waste	9348	16912	7732	10127	10639	10372
Others	19081	14278	12316	11651	10216	9769
Total input	1882338	1759600	1634727	1563065	1492450	1349791
Total production	764924	761584	711690	686058	661212	591430
Estimated efficiency (% of production to input)	41	43	44	44	44	44

Statistics on electricity
United Rep. of Tanzania

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	6779	7224	7258	7403	7873	7954
Combustible fuels	4656	4825	4869	4915	5306	4763
Hydro	2108	2366	2350	*2400	2477	3139
Nuclear	..	..	..	..	..	..
Other	15	33	39	88	89	51
Main activity	6757	7183	7211	7308	7776	7894
Combustible fuels	4649	4817	4861	4908	5298	4755
Hydro	2108	2366	2350	*2400	2477	3139
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	362	132	143	48	68	159
Net production	6417	7092	7115	7355	7805	7794
Imports	71	102	106	118	113	114
Exports	..	..	..	..	..	..
Losses	1120	1221	1159	1064	1162	1110
Consumption	5265	5388	5952	6460	6767	6797
Energy industries own use	15	18	19	88	89	59
By industry and construction	1362	1358	1525	1719	1686	1620
By transport	..	..	..	..	..	..
By households and other cons.	3888	4012	4408	4653	4992	5118
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	1380	1394	1412	1607	1530	*1608
Combustible fuels	800	808	829	1015	931	*1000
Hydro	567	567	562	567	574	574
Nuclear	..	..	..	..	..	..
Other	13	18	22	25	26	*35
Main activity	1347	1356	1358	1396	1318	*1378
Combustible fuels	780	788	796	829	745	*802
Hydro	567	567	562	567	574	574
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	2
Combustible fuel input	Terajoules					
Gas-diesel oil	9804	14749	15609	15609	19299	15756
Fuel oil	9534	2262	754	394	305	448
Natural gas	27590	25558	25227	23666	32842	28787
Bagasse	1152	1242	1297	1297	1296	1323
Total input	48080	43811	42886	40966	53742	46314
Total production	16762	17370	17528	17694	19102	17146
Estimated efficiency (% of production to input)	35	40	41	43	36	37

Statistics on electricity
United States

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	4317159	4322038	4286429	4455439	4391761	4260044
Combustible fuels	2962870	2886040	2770054	2912041	2818743	2643838
Hydro	271129	292113	325114	317004	310571	308213
Nuclear	830288	839918	838861	841329	843330	823150
Other	252872	303967	352399	385065	419116	484843
Main activity	4139295	4141317	4100488	4262168	4192264	4059965
Combustible fuels	2802188	2725711	2608106	2746063	2650495	2479922
Hydro	269675	290596	323458	315587	309332	306981
Nuclear	830288	839918	838861	841329	843330	823150
Other	237144	285092	330062	359190	389106	449912
Own use in electricity, CHP and heat plants	207940	202593	200426	218511	196187	179320
Net production	4109219	4119445	4086003	4236927	4195573	4080724
Imports	75770	72716	65685	58261	59052	61449
Exports	9100	6214	9371	13804	20008	14135
Losses	255322	234807	226114	211136	244112	197969
Consumption	3920567	3951140	3916203	4070248	3990506	3930069
Energy industries own use	139731	137199	160087	169372	160554	152279
By industry and construction	806248	796896	778435	772827	748851	710300
By transport	8872	10605	11089	12283	13838	10248
By households and other cons.	2965716	3006440	2966591	3115765	3067264	3057242
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	1072470	1086849	1100333	1119131	1127772	1147892
Combustible fuels	771732	764787	762765	767009	758593	750146
Hydro	102239	102692	102703	102801	102649	103039
Nuclear	98672	99565	99629	99433	98119	96501
Other	99827	119805	135236	149888	168411	198207
Main activity	1031496	1042991	1052995	1067931	1072930	1087879
Combustible fuels	742417	735654	733659	737457	729097	720113
Hydro	101933	102335	102346	102517	102360	102750
Nuclear	98672	99565	99629	99433	98119	96501
Other	88474	105437	117361	128524	143354	168515
Combustible fuel input	Terajoules					
Hard Coal	6977919	6528743	6008203	5511906	4657978	3734918
Brown Coal	7554207	6817768	6992253	6938984	5868905	4750348
Biogas	159616	150566	151529	148717	141641	138182
Gas-diesel oil	72455	56158	60948	106759	86805	87120
Fuel oil	92031	69044	64365	112053	97470	113847
Petroleum coke	115050	125580	106612	109908	83524	94826
Natural gas	11248873	11524237	10770702	12277185	13124962	13449542
Fuelwood	*293718	*275926	*283658	*279490	*258291	*239119
Municipal waste	271824	280711	270064	275832	268342	267803
Black liquor	*147385	*128716	*127622	*119148	*110404	*107557
Others	194335	144916	139868	154770	147433	133273
Total input	27127413	26102365	24975824	26034752	24845757	23116534
Total production	10666332	10389744	9972194	10483349	10147476	9517816
Estimated efficiency (% of production to input)	39	40	40	40	41	41

Statistics on electricity

United States Virgin Is.

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*799	*797	*611	*626	*672	*660
Combustible fuels	*766	*765	*589	*605	*647	*635
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*33	*33	*21	*22	*25	*25
Main activity	*780	*778	*597	*612	*655	*643
Combustible fuels	*766	*765	*589	*605	*647	*635
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	14	14	8	8	8	*8
Own use in electricity, CHP and heat plants	*84	*84	*61	*62	*66	*60
Net production	*716	*714	*549	*565	*606	*600
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*60	*65	*50	*51	*51	*50
Consumption	*656	*649	*499	*514	*555	*550
Energy industries own use	..	..	..	..	..	..
By industry and construction	*298	*273	*210	*222	*236	*231
By transport	..	..	..	..	..	..
By households and other cons.	*358	*376	*290	*292	*319	*319
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	340	340	336	336	*336	*337
Combustible fuels	316	316	316	316	*316	*316
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*24	*24	*20	*20	*20	*21
Main activity	325	325	321	321	*321	*321
Combustible fuels	316	316	316	316	*316	*316
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	9	9	5	5	5	5
Combustible fuel input	Terajoules					
Total input	..	..	..	..	..	..
Total production	*2758	*2752	*2122	*2178	*2331	*2285
Estimated efficiency (% of production to input)	..	..	..	..	..	..

Statistics on electricity

Uruguay

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	13731	13885	14363	14623	16090	13557
Combustible fuels	3351	2896	2802	2921	2806	3526
Hydro	8266	7842	7518	6557	8108	4094
Nuclear	..	..	..	..	..	..
Other	2114	3146	4043	5146	5176	5938
Main activity	12126	12274	12713	12857	14388	11825
Combustible fuels	1756	1295	1167	1177	1138	1833
Hydro	8266	7842	7518	6557	8108	4094
Nuclear	..	..	..	..	..	..
Other	2104	3137	4028	5123	5142	5898
Own use in electricity, CHP and heat plants	385	393	350	431	436	445
Net production	13345	13491	14014	14192	15654	13112
Imports	2	25	3	14	0	515
Exports	1321	779	1462	1195	3011	1148
Losses	1489	1340	1437	1557	1322	1129
Consumption	10648	11518	11162	11571	11439	11458
Energy industries own use	111	116	44	117	118	111
By industry and construction	3250	3530	3522	3702	3622	3559
By transport	..	0	0	1	1	3
By households and other cons.	7287	7872	7596	7752	7698	7785
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	3989	3913	4546	4912	4920	4925
Combustible fuels	1530	1075	1255	1615	1615	1615
Hydro	1538	1538	1538	1538	1538	1538
Nuclear	..	..	..	..	..	..
Other	921	1301	1753	1759	1768	1772
Main activity	3527	3447	4066	4428	4429	4430
Combustible fuels	1098	643	823	1182	1182	1182
Hydro	1538	1538	1538	1538	1538	1538
Nuclear	..	..	..	..	..	..
Other	891	1266	1705	1708	1709	1710
Combustible fuel input	Terajoules					
Gas-diesel oil	7534	3423	1634	2915	1290	6054
Fuel oil	1972	1220	570	1244	404	1107
Natural gas	0	0	365	113	1106	0
Fuelwood	236	205	64	116	87	78
Bagasse	111	86	86	88	104	122
Vegetal waste	2325	2496	2339	2826	1801	3105
Black liquor	9463	9670	10303	9942	9999	10591
Total input	21640	17099	15360	17245	14791	21057
Total production	12064	10426	10088	10515	10102	12692
Estimated efficiency (% of production to input)	56	61	66	61	68	60

Statistics on electricity
Uzbekistan

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	57414	58634	60323	62408	63021	66516
Combustible fuels	50589	51773	52393	56510	56544	61502
Hydro	6825	6860	7930	5897	6462	4999
Nuclear	..	..	..	..	..	..
Other	0	0	1	0	16	16
Main activity	57414	58634	60323	62408	63021	66516
Combustible fuels	50589	51773	52393	56510	56544	61502
Hydro	6825	6860	7930	5897	6462	4999
Nuclear	..	..	..	..	..	..
Other	0	0	1	0	16	16
Own use in electricity, CHP and heat plants	780	797	820	2335	4046	2257
Net production	56634	57837	59503	60073	58975	64259
Imports	5520	5278	6945	2233	3379	5207
Exports	6810	6774	7585	2627	2067	2687
Losses	*3315	*3395	*3524	968	845	9975
Consumption	47350	48503	50350	53514	54175	51951
Energy industries own use	..	..	..	..	..	..
By industry and construction	21153	21397	22623	15422	17382	19732
By transport	1166	1166	1222	1475	2115	1058
By households and other cons.	25032	25940	26504	36618	34678	31161
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	13217	14104	14378	15046	16798	17502
Combustible fuels	11335	12222	12516	12276	14032	14620
Hydro	1880	1880	1858	1915	1908	2023
Nuclear	..	..	..	..	..	..
Other	1	2	4	*854	*859	*859
Main activity	13217	14104	14378	15046	16798	17502
Combustible fuels	11335	12222	12516	12276	14032	14620
Hydro	1880	1880	1858	1915	1908	2023
Nuclear	..	..	..	..	..	..
Other	1	2	4	*854	*859	*859
Combustible fuel input	Terajoules					
Hard Coal	2135	2030	1552	..	..	..
Brown Coal	42459	43592	45679	46161	51683	57643
Gas-diesel oil	41	30	39	39	61	64
Fuel oil	2026	3253	3681	5329	8313	5715
Natural gas	488010	502212	484477	497192	514742	507855
Total input	534671	551117	535428	548720	574799	571277
Total production	182121	186384	188614	203437	203557	221405
Estimated efficiency (% of production to input)	34	34	35	37	35	39

Statistics on electricity

Vanuatu

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	66	75	80	81	84	78
Combustible fuels	51	62	63	63	63	57
Hydro	7	5	7	8	8	8
Nuclear	..	..	..	..	..	..
Other	9	8	9	11	13	*13
Main activity	66	75	80	81	84	78
Combustible fuels	51	62	63	63	63	57
Hydro	7	5	7	8	8	8
Nuclear	..	..	..	..	..	..
Other	9	8	9	11	13	*13
Own use in electricity, CHP and heat plants	2	3	2	3	4	*3
Net production	64	72	77	78	80	75
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	5	5	5	6	6	5
Consumption	61	69	72	72	75	*73
Energy industries own use	..	..	..	..	..	..
By industry and construction	21	23	28	27	29	*28
By transport	..	..	..	..	..	..
By households and other cons.	40	46	44	45	46	*45
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	30	32	33	31	33	33
Combustible fuels	25	26	26	24	25	26
Hydro	1	1	1	1	1	1
Nuclear	..	..	..	..	..	..
Other	4	5	6	6	6	6
Main activity	30	32	33	31	33	33
Combustible fuels	25	26	26	24	25	26
Hydro	1	1	1	1	1	1
Nuclear	..	..	..	..	..	..
Other	4	5	6	6	6	6
Combustible fuel input	Terajoules					
Gas-diesel oil	451	570	617	609	606	540
Other liquid biofuels	27	*19	0	5	8	8
Total input	479	589	617	614	614	548
Total production	183	222	228	228	227	205
Estimated efficiency (% of production to input)	38	38	37	37	37	37

Statistics on electricity
Venezuela (Bolivar. Rep.)

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	128831	118123	103796	99757	82571	74265
Combustible fuels	53832	55068	43193	41511	32837	11656
Hydro	74902	62959	60507	58150	49637	62510
Nuclear	..	..	..	..	..	..
Other	96	96	96	96	98	98
Main activity	126700	116061	101811	97846	80927	73323
Combustible fuels	51794	53099	41301	39692	31285	10807
Hydro	74902	62959	60507	58150	49637	62510
Nuclear	..	..	..	..	..	..
Other	3	3	3	3	6	6
Own use in electricity, CHP and heat plants	1461	1483	1014	975	807	726
Net production	127370	116640	102781	98782	81764	73539
Imports	0	0	0	..	..	..
Exports	974	1107	1064	1023	870	652
Losses	40381	33543	32237	30983	25638	23100
Consumption	89314	82985	70156	66533	56040	50359
Energy industries own use	1634	1427	1159	945	850	394
By industry and construction	27283	23472	22219	20630	17976	16495
By transport	0	0	0	..	..	..
By households and other cons.	60397	58086	46779	44958	37213	33469
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	32150	33058	33013	33012	32620	33116
Combustible fuels	16869	17777	17732	17732	17487	17836
Hydro	15137	15137	15137	15137	15011	15136
Nuclear	..	..	..	..	..	..
Other	144	144	144	143	122	*144
Main activity	31049	31957	31913	31913	31519	32015
Combustible fuels	15859	16767	16722	16722	16477	16826
Hydro	15137	15137	15137	15137	15011	15136
Nuclear	..	..	..	..	..	..
Other	53	53	54	54	31	53
Combustible fuel input	Terajoules					
Gas-diesel oil	220676	199262	191511	184053	123584	..
Fuel oil	25048	22624	21731	20885	17828	..
Natural gas	338034	326524	313807	301587	257432	140895
Total input	583758	548410	527050	506524	398843	140895
Total production	193796	198245	155493	149438	118212	41963
Estimated efficiency (% of production to input)	33	36	30	30	30	30

Statistics on electricity
Viet Nam

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	163494	181653	198499	213199	*232602	240543
Combustible fuels	105979	116244	109354	128576	*142200	156672
Hydro	57254	65188	88875	84205	85097	73461
Nuclear	..	..	..	..	..	..
Other	*261	221	270	418	5305	10410
Main activity	159540	176739	194217	208917	*228320	231947
Combustible fuels	102107	111412	105154	124376	*138000	148158
Hydro	57174	65108	88795	84125	85017	73381
Nuclear	..	..	..	..	..	..
Other	*259	219	268	416	5303	10408
Own use in electricity, CHP and heat plants	5745	5269	6906	6759	11878	9598
Net production	157749	176384	191593	206440	*220724	230945
Imports	2604	3313	2352	1722	2401	3067
Exports	1711	2215	1825	733	1311	1555
Losses	*12541	*13732	13871	14728	14765	14653
Consumption	143683	159791	174653	192701	207049	215743
Energy industries own use	..	..	..	..	..	..
By industry and construction	77189	85686	95791	106136	111934	115582
By transport	..	..	..	..	..	..
By households and other cons.	66494	74105	78862	86565	95115	100161
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*39133	*43416	*44334	*44815	57444	78066
Combustible fuels	*22779	*25783	*25953	*26125	30690	39713
Hydro	16213	17461	18161	18341	20678	21169
Nuclear	..	..	..	..	..	..
Other	141	172	220	349	6076	17184
Main activity	*36005	*38025	*38851	*39332	51961	72583
Combustible fuels	*19965	*20728	*20828	*21000	25565	34588
Hydro	15905	17131	17809	17989	20326	20817
Nuclear	..	..	..	..	..	..
Other	135	166	214	343	6070	17178
Combustible fuel input	Terajoules					
Hard Coal	529856	614098	561954	684450	1386620	1390254
Gas-diesel oil	1720	6751	3526	1548	6837	6794
Fuel oil	8726	8767	3798	1172	10868	7030
Natural gas	366899	366913	314848	288261	300319	274608
Fuelwood	1193	44756	1319	2177	494	39063
Total input	908395	1041284	885444	977607	1705138	1717748
Total production	381524	418478	393674	462874	*511920	564018
Estimated efficiency (% of production to input)	42	40	44	47	30	33

Statistics on electricity
Wallis and Futuna Is.

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*18	*20	*20	*20	*21	*23
Combustible fuels	*18	*20	*19	*20	*20	*23
Hydro	0	0	0	0	0	0
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Main activity	*18	*20	*20	*20	*21	*23
Combustible fuels	*18	*20	*19	*20	*20	*23
Hydro	0	0	0	0	0	0
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Own use in electricity, CHP and heat plants	*2	*3	*2	*1	0	*2
Net production	*16	*18	*17	*19	*20	*22
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	0	0	0	0	0	0
Consumption	*16	*17	*17	*19	*20	*22
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	*16	*17	*17	*19	*20	*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	*177	*187	*183	*188	*196	*221
Total input	*177	*187	*183	*188	*196	*221
Total production	*65	*71	*69	*70	*73	*82
Estimated efficiency (% of production to input)	37	38	38	37	37	37

Statistics on electricity

Yemen

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	5762	4798	4050	3487	3277	2939
Combustible fuels	5646	4643	3856	3003	2792	2449
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	116	155	194	484	484	490
Main activity	5364	4387	3613	2758	2544	2222
Combustible fuels	5364	4387	3613	2758	2544	2222
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	871	712	586	448	413	361
Net production	4891	4086	3464	3040	2864	2578
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	1423	1164	959	732	675	590
Consumption	2489	2377	2297	2203	2210	2201
Energy industries own use	..	..	..	..	..	..
By industry and construction	119	97	80	61	56	49
By transport	..	..	..	..	..	..
By households and other cons.	2370	2280	2217	2142	2154	2152
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	1579	1769	*1769	*1769	*1769	*1772
Combustible fuels	1519	1519	*1519	*1519	*1519	*1519
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	60	*250	*250	*250	250	253
Main activity	1402	1402	*1402	*1402	*1402	*1402
Combustible fuels	1402	1402	*1402	*1402	*1402	*1402
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	18146	16469	15634	14444	13320	10975
Fuel oil	19190	16241	15417	14185	13016	10659
Natural gas	28770	20045	12027	4009	4009	5212
Total input	66106	52755	43077	32638	30345	26845
Total production	20326	16715	13883	10811	10052	8817
Estimated efficiency (% of production to input)	31	32	32	33	33	33

Statistics on electricity

Zambia

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	13440	11771	14536	16282	15115	15237
Combustible fuels	405	746	2065	2574	2669	2294
Hydro	13035	11025	12471	13706	12329	12793
Nuclear	..	..	..	..	..	..
Other	..	0	0	1	118	150
Main activity	13440	11695	14458	16203	15037	15159
Combustible fuels	405	670	1987	2496	2591	2216
Hydro	13035	11025	12471	13706	12329	12793
Nuclear	..	..	..	..	..	..
Other	..	0	0	1	118	150
Own use in electricity, CHP and heat plants	0	401	438	408	411	457
Net production	13440	11370	14098	15873	14704	14780
Imports	785	2185	753	152	198	130
Exports	1176	794	1063	1226	976	1340
Losses	1599	*1903	*1607	*1886	*1586	*2067
Consumption	11450	10858	12192	12898	12341	11504
Energy industries own use	..	..	..	..	..	..
By industry and construction	6860	6455	7025	7282	7060	6452
By transport	33	28	32	33	31	29
By households and other cons.	4557	4375	5135	5583	5250	5023
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	2411	2860	2931	2933	3016	3046
Combustible fuels	142	472	532	533	528	558
Hydro	2269	2388	2398	2398	2399	2399
Nuclear	..	..	..	..	..	..
Other	0	0	0	1	89	89
Main activity	2411	2827	2896	2898	2981	3011
Combustible fuels	142	439	498	499	494	524
Hydro	2269	2388	2398	2398	2399	2399
Nuclear	..	..	..	..	..	..
Other	0	0	0	1	89	89
Combustible fuel input	Terajoules					
Hard Coal	..	3904	15353	24485	20017	22735
Gas-diesel oil	430	430	516	*5160	*8600	*5590
Fuel oil	3272	2747	4808	*6747	*8484	*4363
Bagasse	*1332	*1367	*1367	*1367	*1367	*1367
Total input	5034	8448	22043	37758	38468	34055
Total production	1459	2684	7435	9267	9609	8260
Estimated efficiency (% of production to input)	29	32	34	25	25	24

Statistics on electricity
Zimbabwe

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	9522	7090	7544	9418	8451	6712
Combustible fuels	4583	4175	3575	4369	4285	2882
Hydro	4939	2915	3969	5049	4166	3805
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	24
Main activity	9468	6812	7377	9212	8242	6603
Combustible fuels	4529	3897	3408	4163	4076	2773
Hydro	4939	2915	3969	5049	4166	3805
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	24
Own use in electricity, CHP and heat plants	6	171	143	175	171	115
Net production	9516	6919	7401	9243	8279	6597
Imports	1147	2220	2569	1177	1612	2337
Exports	1248	369	351	161	504	355
Losses	1653	1596	1729	1748	1552	1445
Consumption	7426	7276	7880	8506	8063	7333
Energy industries own use	..	..	..	..	..	..
By industry and construction	2524	2642	3359	3703	3681	3348
By transport	..	..	..	..	..	..
By households and other cons.	4902	4634	4521	4803	4382	3985
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	1992	2020	2021	2326	*2363	*2364
Combustible fuels	1235	1265	1265	1265	*1265	*1265
Hydro	757	750	750	1050	1081	1081
Nuclear	..	..	..	..	..	..
Other	..	5	6	11	17	18
Main activity	1947	1975	1976	2281	*2318	*2319
Combustible fuels	1190	1220	1220	1220	*1220	*1220
Hydro	757	750	750	1050	1081	1081
Nuclear	..	..	..	..	..	..
Other	..	5	6	11	17	18
Combustible fuel input	Terajoules					
Hard Coal	74266	63954	52354	56030	51825	39754
Gas-diesel oil	645	559	580	701	714	561
Bagasse	1843	2117	2180	2687	2725	1423
Total input	76754	66630	55113	59419	55264	41737
Total production	16498	15029	12870	15729	15427	10377
Estimated efficiency (% of production to input)	21	23	23	26	28	25