

Statistics on electricity

Uganda

Item	2017	2018	2019	2020	2021	2022
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	3854	4040	4364	4447	4769	5502
Combustible fuels	381	405	300	246	334	438
Hydro	3447	3602	3986	4083	4334	4965
Nuclear	..	..	..	..	..	..
Other	25	32	78	118	101	99
Main activity	3440	3389	3687	3635	3856	4370
Combustible fuels	231	199	103	58	52	75
Hydro	3183	3158	3506	3459	3703	4196
Nuclear	..	..	..	..	..	..
Other	25	32	78	118	101	99
Own use in electricity, CHP and heat plants	0	0	12	43	55	51
Net production	3854	4040	4352	4404	4714	5451
Imports	65	84	104	21	24	*22
Exports	317	233	299	222	393	*309
Losses	755	789	814	768	1034	*1221
Consumption	2802	3067	3233	3269	3581	*3943
Energy industries own use	..	..	..	..	..	..
By industry and construction	1805	2012	2163	2178	2401	*2618
By transport	..	..	..	..	..	..
By households and other cons.	997	1055	1070	1091	1180	1325
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	912	984	1255	1270	1349	1387
Combustible fuels	178	198	199	197	214	228
Hydro	712	744	1004	1011	1074	1095
Nuclear	..	..	..	..	..	..
Other	22	42	52	62	62	64
Main activity	752	772	1007	1023	1103	1074
Combustible fuels	102	102	102	101	118	116
Hydro	630	630	855	862	925	896
Nuclear	..	..	..	..	..	..
Other	21	41	51	61	61	62
Combustible fuel input	Terajoules					
Fuel oil	*3515	3015	978	634	571	*852
Bagasse	*3050	*4255	*4726	3739	5275	*6525
Total input	*6565	*7269	*5704	4373	5846	*7378
Total production	1371	1459	1079	887	1203	1577
Estimated efficiency (% of production to input)	21	20	19	20	21	21

Statistics on electricity

Ukraine

Item	2017	2018	2019	2020	2021	2022
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	156037	159833	154141	148408	157915	113394
Combustible fuels	58173	61104	58201	55258	51835	34349
Hydro	10520	12007	7855	7564	10333	10905
Nuclear	85576	84398	83003	76203	86206	62069
Other	1768	2324	5082	9384	9541	6072
Main activity	152061	157175	151880	145080	154508	110979
Combustible fuels	54274	58493	56077	52097	48597	32008
Hydro	10516	12005	7855	7564	10333	10905
Nuclear	85576	84398	83003	76203	86206	62069
Other	1695	2279	4944	9217	9372	5998
Own use in electricity, CHP and heat plants	11131	12740	11608	11211	7872	7919
Net production	144906	147093	142533	137197	150042	105474
Imports	50	32	2238	2720	1458	4101
Exports	5226	6099	6283	5139	3497	6100
Losses	16787	16996	16434	15445	15662	11220
Consumption	122943	124030	121566	118509	124341	85290
Energy industries own use	5577	5377	4877	4999	5661	4803
By industry and construction	50235	51727	48592	45888	47978	26388
By transport	7044	6951	6603	5713	5973	3984
By households and other cons.	60087	59975	61494	61910	64729	50116
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	52764	51508	51444	58257	56312	42294
Combustible fuels	31492	29753	28535	30739	28664	16564
Hydro	6213	6243	6325	4819	6335	4835
Nuclear	13835	13835	13835	13835	13835	13835
Other	1224	1677	2749	8864	7478	7060
Main activity	50499	49369	49273	56051	53971	39949
Combustible fuels	29265	27662	26464	28664	26525	14425
Hydro	6206	6238	6325	4819	6331	4831
Nuclear	13835	13835	13835	13835	13835	13835
Other	1193	1634	2649	8733	7280	6858
Combustible fuel input	Terajoules					
Hard Coal	596334	634191	584784	486913	447733	280415
Biogas	865	1565	1768	3622	3622	3622
Gas-diesel oil	430	559	387	430	455	296
Fuel oil	21210	6989	1899	2101	1472	985
Other oil products	925	4543	4273	1005	864	587
Natural gas	145990	178481	165157	197829	199880	135350
Coke-oven gas	14391	15911	14515	16884	18497	12578
Blast furnace gas	26744	28839	24685	23428	24093	16383
Fuelwood	0	0	0	6889	*6889	*4648
Peat products	195	156	88	117	163	111
Others	47	47	24	26	26	18
Total input	807131	871281	797580	739244	703695	454992
Total production	209423	219974	209524	198928	186605	123655
Estimated efficiency (% of production to input)	26	25	26	27	27	27

Statistics on electricity

United Arab Emirates

Item	2017	2018	2019	2020	2021	2022
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*134569	*136014	*138454	*137310	149053	156120
Combustible fuels	*133835	*134711	*134674	*131835	133234	127781
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	10067	20596
Other	734	1303	3780	5475	5752	7743
Main activity	*134569	*136014	*138454	*137310	149053	156120
Combustible fuels	*133835	*134711	*134674	*131835	133234	127781
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	10067	20596
Other	734	1303	3780	5475	5752	7743
Own use in electricity, CHP and heat plants	*11718	*11715	*11502	*12057	12748	14166
Net production	*122851	*124299	*126952	*125253	136305	141955
Imports	514	488	245	206	868	504
Exports	617	517	257	235	657	613
Losses	11718	8436	7011	7030	7277	7349
Consumption	114485	116390	119941	118223	129028	134606
Energy industries own use	..	..	..	..	..	..
By industry and construction	10011	10499	10406	19561	20339	23132
By transport	..	..	..	..	..	..
By households and other cons.	104475	105890	109535	98663	108689	111473
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	30371	*30934	*33042	36291	37068	37901
Combustible fuels	30048	*30349	*31287	32846	33106	32049
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	1390	1390	2780
Other	323	585	1755	2055	2572	3072
Main activity	30371	*30934	*33042	36291	37068	37901
Combustible fuels	30048	*30349	*31287	32846	33106	32049
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	1390	1390	2780
Other	323	585	1755	2055	2572	3072
Combustible fuel input	Terajoules					
Gas-diesel oil	22747	24394	6401	5926	6995	6837
Fuel oil	*2141	*2182	2133	2100	2203	2262
Natural gas	1383323	1384793	1370949	1332727	1338665	1332727
Municipal waste	..	374	96	30	238	532
Total input	1408211	1411742	1379580	1340783	1348100	1342359
Total production	*481806	*484960	*484827	*474606	479643	460012
Estimated efficiency (% of production to input)	34	34	35	35	36	34

Statistics on electricity

United Kingdom

Item	2017	2018	2019	2020	2021	2022
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	337429	332493	323391	310467	307810	324085
Combustible fuels	197236	189819	183202	163845	177796	175020
Hydro	8754	7942	7689	8408	7292	7632
Nuclear	70336	65064	56184	50278	45904	47723
Other	61103	69669	76316	87936	76817	93710
Main activity	282740	275131	262497	249894	249084	262702
Combustible fuels	161420	152230	141384	122694	136024	132914
Hydro	7051	6299	5946	6537	5610	5886
Nuclear	70336	65064	56184	50278	45904	47723
Other	43932	51538	58983	70385	61545	76179
Own use in electricity, CHP and heat plants	16580	12681	11612	10911	10015	9829
Net production	320849	319812	311779	299557	297794	314256
Imports	18167	21332	24556	22391	28743	15451
Exports	3407	2225	3385	4481	4166	20793
Losses	26835	26661	26371	26496	26171	25658
Consumption	308958	311248	307478	292270	294851	282728
Energy industries own use	10971	10386	9321	9061	8143	8466
By industry and construction	90462	92131	92701	84751	87654	85103
By transport	5017	5665	6142	5975	7100	8439
By households and other cons.	202508	203065	199313	192483	191954	180719
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	104858	108037	104633	104237	104596	106870
Combustible fuels	56886	57694	51699	50507	50598	51013
Hydro	4770	4777	4780	4785	4790	4790
Nuclear	9261	9261	9261	9261	7833	5883
Other	33942	36305	38894	39684	41375	45184
Main activity	78872	81511	78010	77912	77648	78917
Combustible fuels	45691	46128	39831	38491	38329	38475
Hydro	4299	4301	4301	4298	4299	4299
Nuclear	9261	9261	9261	9261	7833	5883
Other	19621	21821	24618	25861	27187	30260
Combustible fuel input	Terajoules					
Hard Coal	229993	174276	78131	63967	72901	60289
Biogas	97938	95731	69431	68524	69692	68524
Refinery gas	13053	9298	6485	6633	11435	12821
Natural gas	1029713	985602	983081	837335	915775	929178
Blast furnace gas	18055	16907	15029	15029	14907	16375
Fuelwood	*117495	*137729	*156026	*163842	*171688	*142058
Animal waste	*3977	*3395	*3869	*3944	*3696	*4049
Vegetal waste	*36694	*40799	*40669	*41094	*46007	*44455
Municipal waste	69686	80632	89816	92020	96376	95980
Industrial waste	4773	4449	3613	3902	3637	3814
Others	12440	12978	10428	10046	10184	9029
Total input	1633817	1561796	1456577	1306335	1416297	1386572
Total production	710051	683347	659527	589842	640065	630072
Estimated efficiency (% of production to input)	43	44	45	45	45	45

Statistics on electricity

United Rep. of Tanzania

Item	2017	2018	2019	2020	2021	2022
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	7062	7320	7775	7834	8650	9626
Combustible fuels	4688	5055	5270	4664	5533	6775
Hydro	2350	2234	2477	3139	3086	2821
Nuclear	..	..	..	..	..	..
Other	24	31	27	31	31	31
Main activity	7030	7282	7739	7795	8612	9587
Combustible fuels	4681	5047	5262	4656	5525	6767
Hydro	2350	2234	2477	3139	3086	2821
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	141	146	155	157	173	193
Net production	6921	7173	7619	7677	8477	9433
Imports	106	118	113	114	129	152
Exports	..	..	..	..	..	..
Losses	1159	1064	1086	1110	1182	1787
Consumption	5909	6270	6619	6545	7245	7687
Energy industries own use	32	38	35	39	39	39
By industry and construction	1535	1546	1550	1451	1571	1636
By transport	..	..	..	..	..	..
By households and other cons.	4342	4685	5034	5055	5635	6012
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	1412	1607	1530	*1608	*1738	*1815
Combustible fuels	829	1015	931	*1000	*1126	*1202
Hydro	562	567	574	574	575	575
Nuclear	..	..	..	..	..	..
Other	22	25	26	*35	37	38
Main activity	1358	1396	1318	*1394	*1515	*1579
Combustible fuels	796	829	745	*818	*938	*1002
Hydro	562	567	574	574	575	575
Nuclear	..	..	..	..	..	..
Other	..	..	..	2	2	2
Combustible fuel input	Terajoules					
Gas-diesel oil	2887	423	754	747	763	222
Fuel oil	754	1222	..	..	191	..
Natural gas	43220	48695	51142	45091	53632	66769
Bagasse	1297	1297	1296	1323	1323	*1323
Total input	48158	51637	53192	47162	55909	68314
Total production	16878	18196	18972	16791	19920	24389
Estimated efficiency (% of production to input)	35	35	36	36	36	36

Statistics on electricity

United States

Item	2017	2018	2019	2020	2021	2022
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	4286429	4455439	4391761	4260044	4374676	4495368
Combustible fuels	2770054	2912041	2818743	2643838	2731127	2762666
Hydro	325114	317004	310571	308213	274096	279067
Nuclear	838861	841329	843330	823150	811551	803669
Other	352399	385065	419116	484843	557901	649966
Main activity	4100488	4262168	4192264	4059965	4173511	4283684
Combustible fuels	2608106	2746063	2650495	2479922	2571318	2598652
Hydro	323458	315587	309332	306981	272878	277883
Nuclear	838861	841329	843330	823150	811551	803669
Other	330062	359190	389106	449912	517762	603481
Own use in electricity, CHP and heat plants	200426	218511	196187	179320	187228	176724
Net production	4086003	4236927	4195573	4080724	4187449	4318644
Imports	65685	58261	59052	61449	53167	56970
Exports	9371	13804	20008	14135	13855	15758
Losses	226114	211136	244112	197969	244112	204989
Consumption	3916203	4070248	3990506	3930069	3982648	4154867
Energy industries own use	160087	169372	160554	152279	144440	148659
By industry and construction	778435	772827	748851	710300	838638	844692
By transport	11089	12283	13838	10248	12805	16739
By households and other cons.	2966591	3115765	3067264	3057242	2986766	3144778
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	1100333	1119130	1127771	1147892	1180315	1198174
Combustible fuels	762764	767009	758592	750146	750174	742008
Hydro	102703	102800	102650	103039	103016	103202
Nuclear	99629	99433	98119	96501	95546	94659
Other	135236	149888	168410	198207	231579	258306
Main activity	1052995	1067930	1072930	1087879	1114699	1125438
Combustible fuels	733659	737457	729097	720113	719902	711335
Hydro	102346	102517	102360	102750	102717	102906
Nuclear	99629	99433	98119	96501	95546	94659
Other	117362	128524	143353	168515	196534	216538
Combustible fuel input	Terajoules					
Hard Coal	6008203	5511906	4657978	3734918	4427459	3880628
Brown Coal	6992253	6938984	5868905	4750348	5427114	5264662
Biogas	151529	148717	141641	138182	126401	114478
Gas-diesel oil	60948	106759	86805	87120	87779	105808
Fuel oil	64365	112053	97470	113847	108207	151809
Petroleum coke	106612	109908	83524	94826	94450	91402
Natural gas	10770702	12277185	13124962	13449542	13014661	13934267
Fuelwood	*283658	*279490	*258291	*239119	*244101	*244266
Municipal waste	270064	275832	268342	267803	266266	248292
Black liquor	*127622	*119148	*110404	*107557	*109799	*104873
Others	139868	156240	148833	134488	143651	125473
Total input	24975824	26036221	24847157	23117749	24049889	24265960
Total production	9972194	10483349	10147476	9517816	9832058	9945598
Estimated efficiency (% of production to input)	40	40	41	41	41	41

Statistics on electricity

United States Virgin Is.

Item	2017	2018	2019	2020	2021	2022
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	537	625	637	666	710	692
Combustible fuels	516	596	605	635	675	658
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*21	29	*32	*32	*34	35
Main activity	524	611	620	649	693	675
Combustible fuels	516	596	605	635	675	658
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	8	15	15	14	17	18
Own use in electricity, CHP and heat plants	0	0	0	0	*1	*1
Net production	537	624	636	666	709	692
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*45	*58	*57	*60	*65	*66
Consumption	*492	*567	*579	*606	*644	*626
Energy industries own use	..	..	..	..	..	..
By industry and construction	*210	*242	*246	*261	*277	*279
By transport	..	..	..	..	..	..
By households and other cons.	*282	*325	*333	*346	*367	*347
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	336	341	*341	*342	*343	*343
Combustible fuels	316	316	*316	*316	*316	*316
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*20	*25	*25	*26	*27	*27
Main activity	321	326	*326	*326	*326	*326
Combustible fuels	316	316	*316	*316	*316	*316
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	5	10	10	10	10	10
Combustible fuel input	Terajoules					
Total input	..	..	..	..	..	..
Total production	1858	2146	2178	2285	2432	2367
Estimated efficiency (% of production to input)	..	..	..	..	..	..

Statistics on electricity

Uruguay

Item	2017	2018	2019	2020	2021	2022
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	14363	14623	16090	13557	15953	14759
Combustible fuels	2802	2921	2806	3526	5206	3787
Hydro	7518	6557	8108	4094	5273	5686
Nuclear	..	..	..	..	..	..
Other	4043	5146	5176	5938	5475	5286
Main activity	12713	12857	14388	11825	14185	13170
Combustible fuels	1167	1177	1138	1833	3483	2256
Hydro	7518	6557	8108	4094	5273	5686
Nuclear	..	..	..	..	..	..
Other	4028	5123	5142	5898	5429	5228
Own use in electricity, CHP and heat plants	350	431	436	445	402	371
Net production	14014	14192	15654	13112	15552	14387
Imports	3	14	0	515	55	84
Exports	1462	1195	3011	1148	2844	1416
Losses	1437	1557	1322	1129	1234	1307
Consumption	11163	11570	11439	11458	11645	11858
Energy industries own use	44	117	118	111	116	110
By industry and construction	3573	3734	3639	3577	3664	3530
By transport	0	1	1	3	4	7
By households and other cons.	7546	7718	7681	7768	7860	8211
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	4537	4902	4901	4905	4914	4929
Combustible fuels	1243	1603	1593	1593	1593	1594
Hydro	1538	1538	1538	1538	1538	1538
Nuclear	..	..	..	..	..	..
Other	1756	1762	1770	1774	1783	1797
Main activity	4069	4432	4423	4423	4423	4423
Combustible fuels	826	1186	1176	1176	1176	1176
Hydro	1538	1538	1538	1538	1538	1538
Nuclear	..	..	..	..	..	..
Other	1705	1708	1709	1710	1710	1710
Combustible fuel input	Terajoules					
Gas-diesel oil	1617	2894	1299	6054	16680	9353
Fuel oil	570	1244	404	1107	2541	1374
Natural gas	365	113	1106	0	67	0
Fuelwood	64	116	87	78	96	78
Bagasse	86	88	104	122	105	143
Vegetal waste	2339	2826	1801	3105	3564	3300
Black liquor	10303	9942	9999	10591	10655	9261
Total input	15343	17223	14800	21057	33708	23507
Total production	10088	10515	10102	12692	18741	13633
Estimated efficiency (% of production to input)	66	61	68	60	56	58

Statistics on electricity

Uzbekistan

Item	2017	2018	2019	2020	2021	2022
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	60323	62408	63021	66516	71414	74268
Combustible fuels	52393	56510	56544	61502	66391	67348
Hydro	7930	5897	6462	4999	4972	6484
Nuclear	..	..	..	..	..	..
Other	1	0	16	16	50	436
Main activity	60323	62408	63021	66516	71117	73960
Combustible fuels	52393	56510	56544	61502	66094	67040
Hydro	7930	5897	6462	4999	4972	6484
Nuclear	..	..	..	..	..	..
Other	1	0	16	16	50	436
Own use in electricity, CHP and heat plants	820	2335	4046	2257	1750	1696
Net production	59503	60073	58975	64259	69664	72572
Imports	6945	2233	3379	5207	6232	4977
Exports	7585	2627	2067	2687	2644	2703
Losses	*3524	968	845	9975	10682	3380
Consumption	50350	53514	54175	51951	57823	58427
Energy industries own use	..	..	..	..	2191	1805
By industry and construction	22623	15422	17382	19732	20249	22396
By transport	1222	1475	2115	1058	1122	1401
By households and other cons.	26504	36618	34678	31161	34260	32824
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	14378	15046	16798	17502	16699	17711
Combustible fuels	12516	12276	14032	14620	14543	15232
Hydro	1858	1915	1908	2023	2052	2225
Nuclear	..	..	..	..	..	..
Other	4	*854	*859	*859	104	253
Main activity	14378	15046	16798	17502	16596	17711
Combustible fuels	12516	12276	14032	14620	14440	15232
Hydro	1858	1915	1908	2023	2052	2225
Nuclear	..	..	..	..	..	..
Other	4	*854	*859	*859	104	253
Combustible fuel input	Terajoules					
Hard Coal	1552	2325	892	9030	13354	18565
Brown Coal	45679	46161	51683	*57643	*46136	48407
Gas-diesel oil	39	39	61	64	59	66
Fuel oil	3681	5329	8313	5715	*7506	9996
Natural gas	484477	497192	514742	507855	690095	603101
Total input	535428	551045	575691	580307	757149	680134
Total production	188614	203437	203557	221405	239008	242452
Estimated efficiency (% of production to input)	35	37	35	38	32	36

Statistics on electricity

Vanuatu

Item	2017	2018	2019	2020	2021	2022
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	77	78	80	76	75	79
Combustible fuels	63	63	63	58	59	64
Hydro	7	8	8	8	8	9
Nuclear	..	..	..	..	..	..
Other	7	7	10	9	7	5
Main activity	77	78	80	76	75	79
Combustible fuels	63	63	63	58	59	64
Hydro	7	8	8	8	8	9
Nuclear	..	..	..	..	..	..
Other	7	7	10	9	7	5
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	77	78	80	76	75	79
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	5	6	6	5	4	4
Consumption	75	75	75	69	68	76
Energy industries own use	..	..	..	..	..	..
By industry and construction	28	27	29	25	23	27
By transport	..	..	..	..	..	..
By households and other cons.	47	48	47	44	44	49
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	33	31	33	33	33	33
Combustible fuels	26	24	25	26	26	26
Hydro	1	1	1	1	1	1
Nuclear	..	..	..	..	..	..
Other	6	6	6	6	6	6
Main activity	33	31	33	33	33	33
Combustible fuels	26	24	25	26	26	26
Hydro	1	1	1	1	1	1
Nuclear	..	..	..	..	..	..
Other	6	6	6	6	6	6
Combustible fuel input	Terajoules					
Gas-diesel oil	617	609	621	567	559	613
Other liquid biofuels	0	5	8	8	0	0
Total input	617	614	629	575	559	613
Total production	228	227	227	210	213	232
Estimated efficiency (% of production to input)	37	37	36	37	38	38

Statistics on electricity

Venezuela (Bolivar. Rep.)

Item	2017	2018	2019	2020	2021	2022
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	112241	94248	79676	82471	84730	88504
Combustible fuels	42099	28917	16819	15254	16858	19969
Hydro	70035	65282	62789	67190	67845	68512
Nuclear	..	..	..	..	..	..
Other	106	*49	68	27	26	23
Main activity	110344	92426	78120	81618	83876	87651
Combustible fuels	40208	27099	15267	14405	16009	19120
Hydro	70035	65282	62789	67190	67845	68512
Nuclear	..	..	..	..	..	..
Other	101	*45	63	23	22	19
Own use in electricity, CHP and heat plants	3250	2440	1989	1234	1263	1293
Net production	108991	91808	77687	81237	83467	87212
Imports	0	0	0	0	0	0
Exports	1096	970	152	14	0	0
Losses	32275	16674	17159	*16247	*16693	17921
Consumption	75621	74164	60377	64977	*66774	69293
Energy industries own use	2652	2536	2225	1787	1173	1306
By industry and construction	16627	10164	8068	9400	7412	8462
By transport	235	295	247	245	240	243
By households and other cons.	56106	61169	49837	53544	*57949	59283
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	32382	31667	33338	33117	36360	32227
Combustible fuels	17138	16460	18107	17886	19210	16468
Hydro	15137	15101	15123	15123	17042	15651
Nuclear	..	..	..	..	..	..
Other	107	106	108	108	108	108
Main activity	31370	30656	32325	32104	35347	31214
Combustible fuels	16128	15450	17097	16876	18200	15458
Hydro	15137	15101	15123	15123	17042	15651
Nuclear	..	..	..	..	..	..
Other	105	105	105	105	105	105
Combustible fuel input	Terajoules					
Gas-diesel oil	*198716	*161456	*57796	*11739	*12324	*17338
Fuel oil	21731	20885	*36691	*707	2578	*12100
Natural gas	313807	*226721	*142383	140895	142444	146346
Bagasse	*340	*277	*512	*392	*448	*374
Total input	534595	*409340	*237382	153733	157794	176157
Total production	151558	104102	60549	54915	60691	71890
Estimated efficiency (% of production to input)	28	25	26	36	38	41

Statistics on electricity

Viet Nam

Item	2017	2018	2019	2020	2021	2022
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	198499	213199	*232602	240543	253498	276372
Combustible fuels	109354	128576	*142200	156672	143728	143000
Hydro	88875	84205	85097	73461	78633	97894
Nuclear	..	..	..	..	..	..
Other	270	418	5305	10410	31137	35478
Main activity	194217	208917	*228320	231947	244820	267365
Combustible fuels	105154	124376	*138000	148158	135132	134075
Hydro	88795	84125	85017	73381	78553	97814
Nuclear	..	..	..	..	..	..
Other	268	416	5303	10408	31135	35476
Own use in electricity, CHP and heat plants	6906	6759	11878	9598	15295	17742
Net production	191593	206440	*220724	230945	238204	258630
Imports	2352	1722	2401	3067	1403	3257
Exports	1825	733	1311	1555	582	965
Losses	13871	14728	14765	14653	16445	15817
Consumption	174653	192701	207049	215743	223529	225448
Energy industries own use	..	..	..	..	..	..
By industry and construction	95791	106136	111934	115582	121685	118784
By transport	..	..	..	..	..	..
By households and other cons.	78862	86565	95115	100161	101844	106665
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*44334	*44815	57444	78066	82431	85031
Combustible fuels	*25953	*26125	30690	39713	*39713	*39713
Hydro	18161	18341	20678	21169	21934	22209
Nuclear	..	..	..	..	..	..
Other	220	349	6076	17184	20784	23109
Main activity	*38851	*39332	51961	72583	76948	79548
Combustible fuels	*20828	*21000	25565	34588	*34588	*34588
Hydro	17809	17989	20326	20817	21582	21857
Nuclear	..	..	..	..	..	..
Other	214	343	6070	17178	20778	23103
Combustible fuel input	Terajoules					
Hard Coal	561954	684450	1386620	1390254	1342002	1299213
Gas-diesel oil	3526	1548	6837	6794	570	2290
Fuel oil	3798	1172	10868	7030	1585	1025
Natural gas	314848	288261	300319	274608	208455	222941
Fuelwood	1319	36111	37556	39063	49428	54303
Total input	885444	1011542	1742199	1717748	1602040	1579772
Total production	393674	462874	*511920	564018	517422	514800
Estimated efficiency (% of production to input)	44	46	29	33	32	33

Statistics on electricity

Wallis and Futuna Is.

Item	2017	2018	2019	2020	2021	2022
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*20	*20	*21	*23	*24	*26
Combustible fuels	*19	*20	*20	*23	*24	*26
Hydro	0	0	0	0	0	0
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Main activity	*20	*20	*21	*23	*24	*26
Combustible fuels	*19	*20	*20	*23	*24	*26
Hydro	0	0	0	0	0	0
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Own use in electricity, CHP and heat plants	*2	*1	0	*1	*1	*1
Net production	*17	*19	*20	*22	*23	*25
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	0	0	0	*1	*1	*1
Consumption	*17	*19	*20	*22	*22	*24
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	*17	*19	*20	*22	*22	*24
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	*183	*188	*196	*223	*230	*249
Total input	*183	*188	*196	*223	*230	*249
Total production	*69	*70	*73	*82	*85	*92
Estimated efficiency (% of production to input)	38	37	37	37	37	37

Statistics on electricity

Yemen

Item	2017	2018	2019	2020	2021	2022
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	3168	3235	3041	2606	2359	2544
Combustible fuels	2974	2751	2557	2116	1869	2043
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	194	484	484	490	490	502
Main activity	2731	2506	2307	1888	1643	1813
Combustible fuels	2731	2506	2307	1888	1643	1813
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	443	407	374	306	240	216
Net production	2724	2828	2667	2300	2119	2328
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	724	665	612	501	436	481
Consumption	2162	2170	2182	2159	2308	2620
Energy industries own use	..	..	..	..	..	..
By industry and construction	60	55	51	42	13	23
By transport	..	..	..	..	..	..
By households and other cons.	2102	2115	2131	2117	2295	2597
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*1769	*1769	*1769	*1753	*1758	*1764
Combustible fuels	*1519	*1519	*1519	*1500	*1500	*1500
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*250	*250	250	253	258	264
Main activity	*1402	*1402	*1402	*1383	*1383	*1383
Combustible fuels	*1402	*1402	*1402	*1383	*1383	*1383
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	15634	14444	13412	11050	9731	10658
Fuel oil	15417	14185	13106	10732	9378	10324
Natural gas	12027	802	802	802	802	802
Total input	43077	29431	27320	22584	19911	21784
Total production	10705	9902	9205	7619	6730	7354
Estimated efficiency (% of production to input)	25	34	34	34	34	34

Statistics on electricity

Zambia

Item	2017	2018	2019	2020	2021	2022
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	14536	16282	15115	15237	17718	19783
Combustible fuels	2065	2574	2669	2294	1498	2551
Hydro	12471	13706	12329	12793	16073	17089
Nuclear	..	..	..	..	..	..
Other	0	1	118	150	148	143
Main activity	14458	16203	15037	15159	17636	19700
Combustible fuels	1987	2496	2591	2216	1415	2468
Hydro	12471	13706	12329	12793	16073	17089
Nuclear	..	..	..	..	..	..
Other	0	1	118	150	148	143
Own use in electricity, CHP and heat plants	438	408	411	457	536	750
Net production	14098	15873	14704	14780	17182	19033
Imports	753	152	198	130	18	18
Exports	1063	1226	976	1340	2152	3073
Losses	*1607	*1886	*1586	*2067	*2217	*2200
Consumption	12192	12898	12341	11504	12831	13778
Energy industries own use	..	..	..	..	..	..
By industry and construction	7025	7282	7060	6452	6936	7747
By transport	32	33	31	29	32	37
By households and other cons.	5135	5583	5250	5023	5863	5994
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	2931	2933	3016	3046	3436	3897
Combustible fuels	532	533	528	558	645	645
Hydro	2398	2398	2399	2399	2703	3163
Nuclear	..	..	..	..	..	..
Other	0	1	89	89	89	89
Main activity	2896	2898	2981	3011	3316	3777
Combustible fuels	498	499	494	524	525	525
Hydro	2398	2398	2399	2399	2703	3163
Nuclear	..	..	..	..	..	..
Other	0	1	89	89	89	89
Combustible fuel input	Terajoules					
Hard Coal	20048	31972	26139	29688	20203	33026
Gas-diesel oil	516	*5160	*8600	*5590	4300	*64
Fuel oil	4808	*6747	*8484	*4363	*1034	0
Bagasse	*1367	*1367	*1367	*1367	*1370	*1370
Total input	26739	45246	44589	41008	26907	34460
Total production	7435	9267	9609	8260	5393	9183
Estimated efficiency (% of production to input)	28	20	22	20	20	27

Statistics on electricity

Zimbabwe

Item	2017	2018	2019	2020	2021	2022
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	7552	9369	8402	6673	8454	9016
Combustible fuels	3583	4320	4236	2843	2508	3103
Hydro	3969	5049	4166	3805	5928	5897
Nuclear	..	..	..	..	..	..
Other	..	..	..	24	18	16
Main activity	7385	9163	8192	6564	8454	8980
Combustible fuels	3416	4114	4026	2734	2508	3068
Hydro	3969	5049	4166	3805	5928	5897
Nuclear	..	..	..	..	..	..
Other	..	..	..	24	18	16
Own use in electricity, CHP and heat plants	143	173	169	114	100	146
Net production	7408	9196	8233	6559	8354	8870
Imports	2569	1177	1612	2337	2194	2304
Exports	351	161	504	355	450	395
Losses	1730	1740	1545	1438	1754	1186
Consumption	7880	8506	8061	7336	8645	9219
Energy industries own use	..	..	..	..	..	..
By industry and construction	3359	3703	3681	3350	3947	4547
By transport	..	..	..	..	..	..
By households and other cons.	4521	4803	4380	3986	4697	4672
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	2020	2324	*2357	*2359	*2373	*2386
Combustible fuels	1265	1265	*1265	*1265	*1265	*1265
Hydro	750	1050	1080	1080	1080	1080
Nuclear	..	..	..	..	..	..
Other	5	9	12	14	28	41
Main activity	1975	2279	*2312	*2314	*2328	*2341
Combustible fuels	1220	1220	*1220	*1220	*1220	*1220
Hydro	750	1050	1080	1080	1080	1080
Nuclear	..	..	..	..	..	..
Other	5	9	12	14	28	41
Combustible fuel input	Terajoules					
Hard Coal	52354	56030	51826	39754	40984	43982
Gas-diesel oil	689	2	..	..	..	..
Bagasse	*2180	*2687	*2741	*1423	*3	968
Total input	55223	58720	54567	41177	40987	44949
Total production	12898	15553	15251	10236	9029	11172
Estimated efficiency (% of production to input)	23	26	28	25	22	25