

**Statistics on electricity**
**Uganda**

Item	2011	2012	2013	2014	2015	2016
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	2647	2909	3416	3551	3473	3535
Combustible fuels	1029	378	128	307	245	244
Hydro	1617	2530	3289	3244	3228	3287
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	4
Main activity	2331	2543	2939	2985	3024	3069
Combustible fuels	969	284	2	93	74	66
Hydro	1362	2259	2937	2891	2950	2999
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	4
Own use in electricity, CHP and heat plants	9	10	10	14	15	0
Net production	2638	2899	3406	3537	3458	3535
Imports	39	35	46	33	48	41
Exports	89	99	106	168	122	265
Losses	660	696	714	634	594	656
Consumption	*1928	*2138	2631	2768	2791	2654
Energy industries own use	..	..	..	..	..	..
By industry and construction	*1088	*1131	1349	1602	1576	1657
By transport	..	..	..	..	..	..
By households and other cons.	*840	*1007	1282	1166	1215	997
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	618	718	828	885	896	904
Combustible fuels	186	136	136	190	201	201
Hydro	432	582	692	695	695	695
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	*8
Main activity	550	650	730	766	766	774
Combustible fuels	170	120	100	136	136	136
Hydro	380	530	630	630	630	630
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	*8
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	*9890	*2795	*22	*989	43	*43
Fuel oil	117	40	*20	*117	695	*687
Bagasse	*1158	*1815	*2413	*4112	*3305	*3614
<b>Total input</b>	*11165	*4650	*2455	*5218	*4043	*4344
<b>Total production</b>	3705	1361	459	1104	881	878
<b>Estimated efficiency (% of production to input)</b>	33	29	19	21	22	20

**Statistics on electricity**
**Ukraine**

Item	2011	2012	2013	2014	2015	2016
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	194947	198878	194377	182815	163682	164573
Combustible fuels	93634	97126	95487	83549	67523	72795
Hydro	10946	10994	14472	9318	6971	9304
Nuclear	90248	90137	83209	88389	87627	80950
Other	119	621	1209	1559	1561	1524
Main activity	191294	195105	191177	179888	161468	158806
Combustible fuels	90002	93373	92310	80644	65328	67136
Hydro	10925	10974	14450	9299	6954	9281
Nuclear	90248	90137	83209	88389	87627	80950
Other	119	621	1208	1556	1559	1439
Own use in electricity, CHP and heat plants	15312	15481	15293	14385	13032	12684
Net production	179635	183397	179084	168430	150650	151889
Imports	35	93	39	89	2241	77
Exports	6327	11560	9929	8523	3591	3830
Losses	21261	21421	20714	19615	17442	16626
Consumption	152084	149817	148480	134981	126024	125257
Energy industries own use	12284	12149	10949	6594	7035	7817
By industry and construction	62890	63101	58584	54401	49963	49941
By transport	9887	9279	8690	8072	6807	6796
By households and other cons.	67023	65288	70257	65914	62219	60703
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	54624	55001	55914	55843	55904	57335
Combustible fuels	35026	35129	35616	35335	35335	36475
Hydro	5469	5470	5489	5851	5883	6172
Nuclear	13835	13835	13835	13835	13835	13835
Other	294	567	974	822	851	853
Main activity	51486	51645	52578	52910	53145	53866
Combustible fuels	31894	31778	32290	32410	32584	33013
Hydro	5463	5465	5484	5847	5878	6167
Nuclear	13835	13835	13835	13835	13835	13835
Other	294	567	969	818	848	851
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	901465	1001244	972367	855610	691875	739606
Biogas	..	..	..	..	161	596
Gas-diesel oil	258	301	301	258	215	301
Fuel oil	3555	3717	3192	2020	11029	24280
Other oil products	2533	603	1769	1648	804	1005
Natural gas	319166	288423	240341	204757	169205	157126
Coke-oven gas	26842	27085	26254	10037	6939	9809
Blast furnace gas	25004	24777	26079	23785	18013	25568
Other recovered gases	0	0	0	9202	9656	1179
Peat products	20	0	0	0	127	176
Others	2772	743	594	7178	8672	47
<b>Total input</b>	1281614	1346893	1270896	1114495	916695	959693
<b>Total production</b>	337082	349654	343753	300776	243083	262062
<b>Estimated efficiency (% of production to input)</b>	26	26	27	27	27	27

**Statistics on electricity**
**United Arab Emirates**

Item	2011	2012	2013	2014	2015	2016
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	99137	106222	109979	116528	127366	129596
Combustible fuels	99137	106203	109926	116237	127075	129287
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	19	53	291	291	309
Main activity	99137	106222	109979	116528	127366	129596
Combustible fuels	99137	106203	109926	116237	127075	129287
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	19	53	291	291	309
Own use in electricity, CHP and heat plants	3629	4768	4616	4843	4429	2392
Net production	95508	101454	105363	111685	122937	127204
Imports	49	215	226	248	234	1141
Exports	36	249	242	276	249	506
Losses	7114	7363	7623	8363	9141	9697
Consumption	85549	88247	95365	101174	111076	*113929
Energy industries own use	..	..	..	..	..	..
By industry and construction	9228	8140	13564	11196	12973	*13983
By transport	..	..	..	..	..	..
By households and other cons.	76321	80107	81801	89978	98103	*99946
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	26086	27180	27374	28829	28745	28761
Combustible fuels	26076	27170	27314	28769	28685	28701
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	10	10	60	60	60	60
Main activity	26086	27180	27374	28829	28745	28761
Combustible fuels	26076	27170	27314	28769	28685	28701
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	10	10	60	60	60	60
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	*26703	*24725	*28982	21887	23521	*23650
Fuel oil	*1939	*1980	*2141	1899	2020	*2141
Natural gas	1146160	*1240439	*1271764	*1209651	*1248672	*1257880
<b>Total input</b>	1174802	*1267143	*1302887	*1233437	*1274213	*1283671
<b>Total production</b>	356893	382331	395734	418453	457470	465433
<b>Estimated efficiency (% of production to input)</b>	30	30	30	34	36	36

## Statistics on electricity

### United Kingdom

Item	2011	2012	2013	2014	2015	2016
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	367984	363879	358290	338100	338924	339399
Combustible fuels	274199	263993	249666	229566	211676	211531
Hydro	8597	8276	7605	8771	9038	8354
Nuclear	68980	70405	70607	63748	70345	71726
Other	16208	21205	30412	36015	47865	47788
Main activity	327263	322792	320575	296460	290769	287282
Combustible fuels	237866	228094	219497	198432	178116	175896
Hydro	7499	7136	6513	7518	7646	6910
Nuclear	68980	70405	70607	63748	70345	71726
Other	12918	17157	23958	26762	34662	32750
Own use in electricity, CHP and heat plants	16454	17990	17856	16483	16661	15275
Net production	351530	345889	340434	321617	322263	324124
Imports	8690	13775	17532	23244	22716	19699
Exports	2467	1911	3101	2723	1778	2153
Losses	27990	28294	26550	27448	28511	26517
Consumption	329761	329461	328251	314691	314693	315153
Energy industries own use	11773	11066	11893	11753	11137	11250
By industry and construction	102531	98579	97067	93157	93014	91916
By transport	4205	4480	4352	4505	4516	4669
By households and other cons.	211252	215336	214939	205276	206026	207318
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	93827	96047	93620	96622	97299	97640
Combustible fuels	71141	70872	65034	63600	59431	55435
Hydro	4423	4437	4453	4474	4521	4579
Nuclear	10663	9946	9906	9937	9487	9497
Other	7600	10792	14227	18611	23860	28129
Main activity	84839	86296	82477	81780	79553	77731
Combustible fuels	64745	64513	59171	57085	52706	48821
Hydro	4221	4221	4221	4221	4221	4221
Nuclear	10663	9946	9906	9937	9487	9497
Other	5210	7616	9179	10537	13139	15192
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	1068933	1396572	1276300	980129	758859	317176
Biogas	78037	79201	81642	84381	88233	93538
Fuel oil	12524	12968	7070	5575	6424	6383
Refinery gas	14306	9455	10989	11732	12128	12425
Natural gas	1112675	779553	741128	784213	765475	1073078
Blast furnace gas	19019	24742	30969	30624	26847	19347
Fuelwood	*39646	*45165	*68693	*92732	*128452	*133321
Vegetal waste	*15519	*14879	*12649	*19731	*18094	*13406
Municipal waste	29090	34285	31890	40538	53712	66246
Industrial waste	13313	13317	4583	8556	9348	16912
Others	13374	14714	13803	12445	11247	7165
<b>Total input</b>	2416435	2424850	2279715	2070655	1878817	1758997
<b>Total production</b>	987116	950375	898798	826438	762034	761512
<b>Estimated efficiency (% of production to input)</b>	41	39	39	40	41	43

**Statistics on electricity**
**United Rep. of Tanzania**

Item	2011	2012	2013	2014	2015	2016
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	5093	5589	5941	6219	6394	6998
Combustible fuels	3091	3809	4209	3611	4265	4607
Hydro	1993	1767	1717	2590	2108	2366
Nuclear	..	..	..	..	..	..
Other	9	13	15	18	21	25
Main activity	5084	5576	5926	6201	6373	6973
Combustible fuels	3091	3809	4209	3611	4265	4607
Hydro	1993	1767	1717	2590	2108	2366
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	5093	5589	5941	6219	6394	6998
Imports	55	61	59	59	71	102
Exports	..	..	..	..	..	..
Losses	1159	1048	1140	1135	1120	1119
Consumption	4004	4454	4851	4994	5271	5551
Energy industries own use	9	13	15	18	21	25
By industry and construction	1005	1089	1223	1270	1362	1472
By transport	..	..	..	..	..	..
By households and other cons.	2990	3352	3613	3706	3888	4054
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	1113	1114	1115	1115	1374	1387
Combustible fuels	*546	*546	*546	*546	800	808
Hydro	562	562	562	562	567	567
Nuclear	..	..	..	..	..	..
Other	*5	*6	*7	*7	*7	*12
Main activity	1088	1088	1088	1088	1347	1356
Combustible fuels	*526	*526	*526	*526	780	788
Hydro	562	562	562	562	567	567
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	2451	3182	8428	5160	8600	3999
Fuel oil	4040	8444	8201	7676	9534	2262
Natural gas	28187	31751	31411	28623	27590	25558
Bagasse	450	342	378	396	378	378
<b>Total input</b>	35128	43719	48418	41855	46102	32197
<b>Total production</b>	11128	13712	15152	13000	15354	16585
<b>Estimated efficiency (% of production to input)</b>	32	31	31	31	33	52

**Statistics on electricity**
**United States**

Item	2011	2012	2013	2014	2015	2016
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	4349463	4290660	4306371	4340371	4317159	4322038
Combustible fuels	3034500	3016908	2985891	2995556	2962870	2886040
Hydro	344561	298287	290113	281527	271129	292113
Nuclear	821405	801129	822004	830584	830288	839918
Other	148997	174336	208363	232704	252872	303967
Main activity	4184832	4116563	4128386	4166530	4139295	4141317
Combustible fuels	2879760	2854720	2822349	2835071	2802188	2725711
Hydro	342720	295887	286579	280195	269675	290596
Nuclear	821405	801129	822004	830584	830288	839918
Other	140947	164827	197454	220680	237144	285092
Own use in electricity, CHP and heat plants	213327	213509	212970	216819	207940	202593
Net production	4136136	4077151	4093401	4123552	4109219	4119445
Imports	52301	59257	70355	66511	75770	69601
Exports	15038	11995	11353	13298	9100	9329
Losses	259528	268753	255322	255322	255322	234807
Consumption	3913871	3855660	3897081	3921443	3920567	3944910
Energy industries own use	134448	128886	129517	132489	139731	137199
By industry and construction	851555	845911	846485	821040	806248	796896
By transport	6559	6841	7234	7605	8872	10605
By households and other cons.	2921309	2874022	2913845	2960309	2965716	3000210
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	1055280	1067878	1065293	1074544	1072470	1086849
Combustible fuels	798833	793352	787297	787407	771732	764787
Hydro	100944	101106	101589	102162	102239	102692
Nuclear	101419	101885	99240	98569	98672	99565
Other	54084	71535	77167	86406	99827	119805
Main activity	1020465	1031417	1027776	1036351	1031496	1042991
Combustible fuels	769510	764085	758052	758205	742417	735654
Hydro	100014	100442	100911	101856	101933	102335
Nuclear	101419	101885	99240	98569	98672	99565
Other	49522	65005	69573	77721	88474	105437
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	9238760	7847311	8070925	8409391	6977919	6528743
Brown Coal	9197146	8305577	8624213	8268422	7554207	6817768
Biogas	122381	135501	146036	162387	159616	150566
Fuel oil	92193	76841	77204	95263	92031	69044
Refinery gas	62172	74102	84101	83111	85833	61281
Petroleum coke	142643	105658	135785	124475	115050	125580
Natural gas	8828413	10578971	9626697	9602281	11248873	11524237
Vegetal waste	*102314	*97925	*106875	*112040	*100065	*83892
Municipal waste	277175	274975	274962	274254	271824	280711
Black liquor	*122209	*116966	*127656	*133826	*119522	*100204
Others	231084	219446	210413	248146	218669	169353
<b>Total input</b>	28416490	27833272	27484867	27513596	26943608	25911379
<b>Total production</b>	10924200	10860869	10749208	10784002	10666332	10389744
<b>Estimated efficiency (% of production to input)</b>	38	39	39	39	40	40

Statistics on electricity

United States Virgin Is.

Item	2011	2012	2013	2014	2015	2016
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	954	881	834	*788	*797	*795
Combustible fuels	951	872	820	*766	*766	*765
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*3	*9	*14	*22	*31	*30
Main activity	911	873	821	*772	*777	*776
Combustible fuels	911	872	820	*766	*766	*765
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*1	*1	*1	*6	*11	*11
Own use in electricity, CHP and heat plants	88	94	93	*87	*81	*81
Net production	866	787	740	*701	*715	*714
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*70	*63	*60	*60	*60	*65
Consumption	796	724	681	641	*656	*649
Energy industries own use	..	..	..	..	..	..
By industry and construction	338	319	309	291	*298	*273
By transport	..	..	..	..	..	..
By households and other cons.	458	405	371	350	*358	*376
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	347	337	327	333	*340	*340
Combustible fuels	345	330	316	316	*316	*316
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*3	*7	*11	*17	*24	*24
Main activity	331	331	317	321	*325	*325
Combustible fuels	330	330	316	316	*316	*316
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*1	*1	*1	*5	*9	*9
<b>Combustible fuel input</b>	<b>Terajoules</b>					
<b>Total input</b>	..	..	..	..	..	..
<b>Total production</b>	3422	3140	2952	*2759	*2758	*2752
<b>Estimated efficiency (% of production to input)</b>	..	..	..	..	..	..

## Statistics on electricity

### Uruguay

Item	2011	2012	2013	2014	2015	2016
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	10345	10601	11657	13008	13734	13805
Combustible fuels	3755	5062	3309	2623	3352	2897
Hydro	6479	5421	8206	9649	8268	7842
Nuclear	..	..	..	..	..	..
Other	111	118	143	736	2114	3066
Main activity	9535	9734	10730	11728	12130	12410
Combustible fuels	2945	4197	2384	1349	1757	1519
Hydro	6479	5421	8206	9649	8268	7842
Nuclear	..	..	..	..	..	..
Other	111	117	140	730	2105	3049
Own use in electricity, CHP and heat plants	209	282	325	361	385	-80
Net production	10135	10319	11332	12647	13349	13885
Imports	477	742	0	0	2	24
Exports	19	20	206	1267	1321	779
Losses	1288	1292	1281	1252	1490	1608
Consumption	9368	9646	9956	10239	10647	11508
Energy industries own use	60	66	106	107	*108	393
By industry and construction	2526	2477	2625	2906	3251	3384
By transport	..	..	..	..	..	..
By households and other cons.	6782	7103	7225	7226	7289	7730
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	2701	2911	3288	3713	3989	3913
Combustible fuels	1119	1320	1689	1690	1530	1075
Hydro	1538	1538	1538	1538	1538	1538
Nuclear	..	..	..	..	..	..
Other	44	53	61	485	921	1300
Main activity	2437	2644	2844	3264	3477	3499
Combustible fuels	869	1069	1268	1268	1098	771
Hydro	1538	1538	1538	1538	1538	1538
Nuclear	..	..	..	..	..	..
Other	30	37	38	458	841	1189
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	15029	20124	9985	2928	7547	3496
Fuel oil	11502	18834	9235	4444	1976	1216
Natural gas	815	71	9	20	0	0
Fuelwood	91	338	478	95	232	176
Bagasse	76	54	82	100	*126	*147
Vegetal waste	583	2100	2165	2605	*3265	*3746
Black liquor	4554	4612	4956	6774	*8492	*8450
<b>Total input</b>	32650	46134	26909	16967	*21636	*17231
<b>Total production</b>	13517	18224	11911	9443	12066	10430
<b>Estimated efficiency (% of production to input)</b>	41	40	44	56	56	61



**Statistics on electricity**
**Uzbekistan**

Item	2011	2012	2013	2014	2015	2016
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	52400	52500	54200	55400	57280	58319
Combustible fuels	42160	41290	42640	43570	45450	46489
Hydro	10240	11210	11560	11830	11830	11830
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	52203	52307	54001	55196	57067	58102
Combustible fuels	41963	41097	42441	43366	45237	46272
Hydro	10240	11210	11560	11830	11830	11830
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	2985	2992	3089	3157	3199	3234
Net production	49415	49508	51111	52243	54081	55085
Imports	12500	12524	12930	13216	11336	10839
Exports	12411	12435	12838	13122	12384	12319
Losses	4623	4628	4778	4884	4949	5002
Consumption	44881	44969	46425	47453	48084	48603
Energy industries own use	1505	1508	1557	1591	1612	1629
By industry and construction	16612	16644	17183	17563	17797	17989
By transport	1426	1429	1476	1509	1529	1546
By households and other cons.	25338	25388	26209	26790	27146	27439
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	*12400	*12722	*12722	*12722	*12722	*12813
Combustible fuels	*10569	*10867	*10867	*10867	*10867	*10958
Hydro	*1831	*1855	*1855	*1855	*1855	*1855
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*12245	*12565	*12565	*12565	*12565	*12655
Combustible fuels	*10414	*10710	*10710	*10710	*10710	*10800
Hydro	*1831	*1855	*1855	*1855	*1855	*1855
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Brown Coal	38965	39038	40299	41178	42570	43317
Gas-diesel oil	43	0	0	..	..	..
Fuel oil	6504	4606	3353	2424	1778	1818
Natural gas	560347	550188	569848	583441	609798	551961
<b>Total input</b>	605859	593832	613500	627043	654145	597096
<b>Total production</b>	151776	148644	153504	156852	163620	167360
<b>Estimated efficiency (% of production to input)</b>	25	25	25	25	25	28

**Statistics on electricity**
**Vanuatu**

Item	2011	2012	2013	2014	2015	2016
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	*68	67	*68	*67	*64	*71
Combustible fuels	*57	57	*58	*56	*50	*56
Hydro	6	7	*7	*7	*7	*7
Nuclear	..	..	..	..	..	..
Other	*5	3	*3	*3	*7	*8
Main activity	*68	67	*68	*67	*64	*71
Combustible fuels	*57	57	*58	*56	*50	*56
Hydro	6	7	*7	*7	*7	*7
Nuclear	..	..	..	..	..	..
Other	*5	3	*3	*3	*7	*8
Own use in electricity, CHP and heat plants	2	2	*2	*2	*2	*2
Net production	*66	65	*66	*65	*61	*69
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	3	3	3	3	*3	*4
Consumption	63	61	62	61	58	65
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	63	61	62	61	58	65
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	31	31	31	31	*32	*32
Combustible fuels	27	27	27	27	*27	*27
Hydro	1	1	1	1	1	1
Nuclear	..	..	..	..	..	..
Other	3	3	3	3	3	4
Main activity	31	31	31	31	*32	*32
Combustible fuels	27	27	27	27	*27	*27
Hydro	1	1	1	1	1	1
Nuclear	..	..	..	..	..	..
Other	3	3	3	3	3	4
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	*538	*538	*542	*533	*458	*559
Other liquid biofuels	*27	*55	*55	*55	*55	*27
<b>Total input</b>	*565	*592	*597	*588	*513	*586
<b>Total production</b>	*205	205	*207	*203	*180	*203
<b>Estimated efficiency (% of production to input)</b>	36	35	35	35	35	35

**Statistics on electricity**
**Venezuela (Bolivar. Rep.)**

Item	2011	2012	2013	2014	2015	2016
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	117961	129313	134220	132492	128815	118130
Combustible fuels	34291	47452	52627	52009	53832	55068
Hydro	83670	81856	81499	80364	74902	62959
Nuclear	..	..	..	..	..	..
Other	..	5	94	119	80	104
Main activity	116731	127854	132683	130959	126777	116161
Combustible fuels	33061	45993	51090	50476	51794	53099
Hydro	83670	81856	81499	80364	74902	62959
Nuclear	..	..	..	..	..	..
Other	..	5	94	119	80	104
Own use in electricity, CHP and heat plants	1152	1463	1526	1717	1445	1490
Net production	116809	127850	132694	130775	127369	116640
Imports	249	478	715	24	0	0
Exports	..	814	848	889	974	1107
Losses	24133	*27613	*28127	*40041	*36343	*31343
Consumption	87072	96874	100706	87232	87538	81705
Energy industries own use	2201	2114	1830	1847	1634	1426
By industry and construction	38094	*39604	*40129	*25407	*25266	*21972
By transport	290	302	308	248	241	221
By households and other cons.	46487	54853	58439	59730	60397	58086
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	27008	29026	31595	31771	31802	32967
Combustible fuels	12386	14371	16662	16838	16869	17777
Hydro	14622	14623	14880	14880	14880	15137
Nuclear	..	..	..	..	..	..
Other	..	33	53	53	53	53
Main activity	25705	27723	30292	30467	30792	31957
Combustible fuels	11083	13068	15359	15534	15859	16767
Hydro	14622	14623	14880	14880	14880	15137
Nuclear	..	..	..	..	..	..
Other	..	33	53	53	53	53
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	150199	199262	187652	194618	220676	199262
Fuel oil	52399	37936	36118	25654	25048	22624
Natural gas	203993	242057	254992	254371	338034	326524
<b>Total input</b>	406591	479255	478762	474643	583758	548410
<b>Total production</b>	123448	170827	189456	187233	193796	198245
<b>Estimated efficiency (% of production to input)</b>	30	36	40	39	33	36

**Statistics on electricity**
**Viet Nam**

Item	2011	2012	2013	2014	2015	2016
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	105219	118940	128549	145730	*157949	181401
Combustible fuels	63944	65676	70287	83950	*100434	115992
Hydro	41188	53172	58170	61480	57254	65188
Nuclear	..	..	..	..	..	..
Other	87	*92	*92	*300	*261	221
Main activity	101586	115237	124546	141548	*153767	174319
Combustible fuels	60311	61976	66287	79850	*96334	108992
Hydro	41188	53171	58169	61400	57174	65108
Nuclear	..	..	..	..	..	..
Other	87	*90	*90	*298	*259	219
Own use in electricity, CHP and heat plants	3355	*4003	*4549	*5767	*6251	4411
Net production	101864	114937	124000	139963	*151698	176990
Imports	301	159	221	2053	1709	1489
Exports	79	29	178	880	805	739
Losses	10060	*11500	*11500	*12509	*12541	*13732
Consumption	93523	104255	115283	128627	143683	159791
Energy industries own use	..	..	..	..	..	..
By industry and construction	50328	55568	61277	69524	77189	85686
By transport	..	..	..	..	..	..
By households and other cons.	43195	48687	54006	59103	66494	74105
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	*25731	*28240	*28240	*34080	*38553	*42135
Combustible fuels	*17700	*17700	*17700	*18269	*22779	*25783
Hydro	*8000	*10503	*10503	*15702	*15639	*16187
Nuclear	..	..	..	..	..	..
Other	*31	*37	*37	109	135	*165
Main activity	*23031	*25531	*25531	*30952	*35425	*36744
Combustible fuels	*15000	*15000	*15000	*15455	*19965	*20728
Hydro	*8000	*10500	*10500	*15394	*15331	*15857
Nuclear	..	..	..	..	..	..
Other	*31	*31	*31	103	129	*159
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	254835	266675	321187	400645	529856	614098
Gas-diesel oil	7310	1333	1548	2365	1720	6751
Fuel oil	17170	3878	4404	4808	8726	8767
Natural gas	312217	317032	328579	347890	366899	366913
Fuelwood	644	651	658	665	672	679
<b>Total input</b>	592176	589569	656375	756373	907874	997207
<b>Total production</b>	230198	236434	253033	302220	*361562	417571
<b>Estimated efficiency (% of production to input)</b>	39	40	39	40	40	42

Statistics on electricity

Wallis and Futuna Is.

Item	2011	2012	2013	2014	2015	2016
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	20	19	19	19	18	20
Combustible fuels	20	19	19	19	18	20
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	20	19	19	19	18	20
Combustible fuels	20	19	19	19	18	20
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	3	2	2	2	2	0
Net production	17	17	17	16	16	20
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*1	*1	*1	*1	0	4
Consumption	*16	*16	*15	*16	*16	*16
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	*16	*16	*15	*16	*16	*16
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	11	11	*11	*11	9	*9
Combustible fuels	11	11	*11	*11	9	*9
Hydro	0	0	0	0	0	0
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Main activity	11	11	*11	*11	9	*9
Combustible fuels	11	11	*11	*11	9	*9
Hydro	0	0	0	0	0	0
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	*243	*233	*228	*225	*225	*236
<b>Total input</b>	*243	*233	*228	*225	*225	*236
<b>Total production</b>	71	68	68	67	66	72
<b>Estimated efficiency (% of production to input)</b>	29	29	30	30	29	31

## Statistics on electricity

### Yemen

Item	2011	2012	2013	2014	2015	2016
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	6207	7077	8510	7756	6017	5045
Combustible fuels	6204	7073	8501	7646	5468	4313
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	3	4	9	110	549	732
Main activity	5935	6727	8256	7406	5295	4157
Combustible fuels	5935	6727	8256	7406	5295	4157
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	539	580	1341	1203	860	675
Net production	5668	6497	7169	6553	5157	4370
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	1590	2330	2190	1965	1405	1103
Consumption	4078	4167	4979	4588	3471	4034
Energy industries own use	..	..	..	..	..	..
By industry and construction	148	148	203	161	115	90
By transport	..	..	..	..	..	..
By households and other cons.	3930	4019	4776	4427	3356	3944
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	1535	1535	1535	1519	1519	1519
Combustible fuels	1535	1535	1535	1519	1519	1519
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	1417	1417	1417	1402	1402	1402
Combustible fuels	1417	1417	1417	1402	1402	1402
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	20898	24682	30874	25112	17114	14620
Fuel oil	36804	32603	30017	24280	16524	14100
Natural gas	17880	28924	34605	37478	28763	20045
<b>Total input</b>	75582	86209	95496	86870	62401	48765
<b>Total production</b>	22334	25463	30604	27526	19685	15527
<b>Estimated efficiency (% of production to input)</b>	30	30	32	32	32	32

## Statistics on electricity

### Zambia

Item	2011	2012	2013	2014	2015	2016
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	11498	12369	13301	14455	13440	11695
Combustible fuels	15	19	20	413	405	670
Hydro	11483	12350	13281	14042	13035	11025
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	11498	12369	13301	14455	13440	11695
Combustible fuels	15	19	20	413	405	670
Hydro	11483	12350	13281	14042	13035	11025
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	288	288	306	331	0	325
Net production	11210	12081	12995	14124	13440	11370
Imports	120	163	73	13	785	2185
Exports	29	980	1083	1256	1176	794
Losses	2730	945	1139	2162	1599	1903
Consumption	8571	10319	10846	10719	11450	10858
Energy industries own use	..	..	..	..	..	..
By industry and construction	4497	6092	6379	6429	6860	6455
By transport	23	24	28	31	33	28
By households and other cons.	4051	4203	4439	4259	4557	4375
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	1959	1959	2038	2452	2411	2827
Combustible fuels	91	91	141	195	142	439
Hydro	1868	1868	1897	2257	2269	2388
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	0	0
Main activity	1959	1959	2038	2452	2411	2827
Combustible fuels	91	91	141	195	142	439
Hydro	1868	1868	1897	2257	2269	2388
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	0	0
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	..	..	..	..	..	3928
Gas-diesel oil	430	430	430	430	430	430
Fuel oil	40	0	0	2990	3272	2747
<b>Total input</b>	470	430	430	3420	3702	7105
<b>Total production</b>	53	68	72	1485	1459	2412
<b>Estimated efficiency (% of production to input)</b>	11	16	17	43	39	34

**Statistics on electricity**
**Zimbabwe**

Item	2011	2012	2013	2014	2015	2016
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	9177	9149	9499	9812	9522	7090
Combustible fuels	3975	3761	4517	4410	4583	4175
Hydro	5202	5387	4982	5402	4939	2915
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	9019	8963	9315	9783	9468	6812
Combustible fuels	3817	3575	4333	4381	4529	3897
Hydro	5202	5387	4982	5402	4939	2915
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	122	99	112	184	189	35
Net production	9055	9050	9387	9628	9333	7055
Imports	1579	1076	1722	1127	1139	2220
Exports	988	701	1189	1226	1239	369
Losses	1613	1767	1702	1648	1654	1533
Consumption	8043	7831	8285	8238	6876	7282
Energy industries own use	..	..	..	..	..	..
By industry and construction	3343	3084	3115	3388	2524	2645
By transport	..	..	..	..	..	..
By households and other cons.	4700	4747	5170	4850	4352	4637
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	*2112	*2112	*2112	1992	1992	2015
Combustible fuels	*1355	*1355	*1355	1235	1235	1265
Hydro	757	757	757	757	757	750
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*2067	*2067	*2067	1947	1947	1970
Combustible fuels	*1310	*1310	*1310	1190	1190	1220
Hydro	757	757	757	757	757	750
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	61848	57474	69596	70325	74266	63900
Gas-diesel oil	602	688	774	731	645	559
Coke-oven gas	0	..	..	..	..	..
Fuelwood	*16	*9	0	0	*84	*24
Bagasse	3665	2405	2390	2074	1757	1714
<b>Total input</b>	66131	60576	72760	73130	76752	66197
<b>Total production</b>	14311	13541	16261	15874	16498	15029
<b>Estimated efficiency (% of production to input)</b>	22	22	22	22	21	23