

Table 33

Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

Table Notes

Supply is calculated as **Production** plus **Imports** minus **Exports**.

EIOU and losses refers to energy industries own use of electricity, including for pumped storage, and losses.

Total Final Consumption (TFC) refers to final energy consumption of electricity.

Figures may not add up due to statistical differences, or for some countries quantities transformed into heat in heat pumps and/or electric boilers

Please refer to the Definitions Section on pages ix to xv for the appropriate product description /classification, and xvi to xvii for the descriptions of relevant flows.

Figure 81: World electricity generation by region, 1990-2016

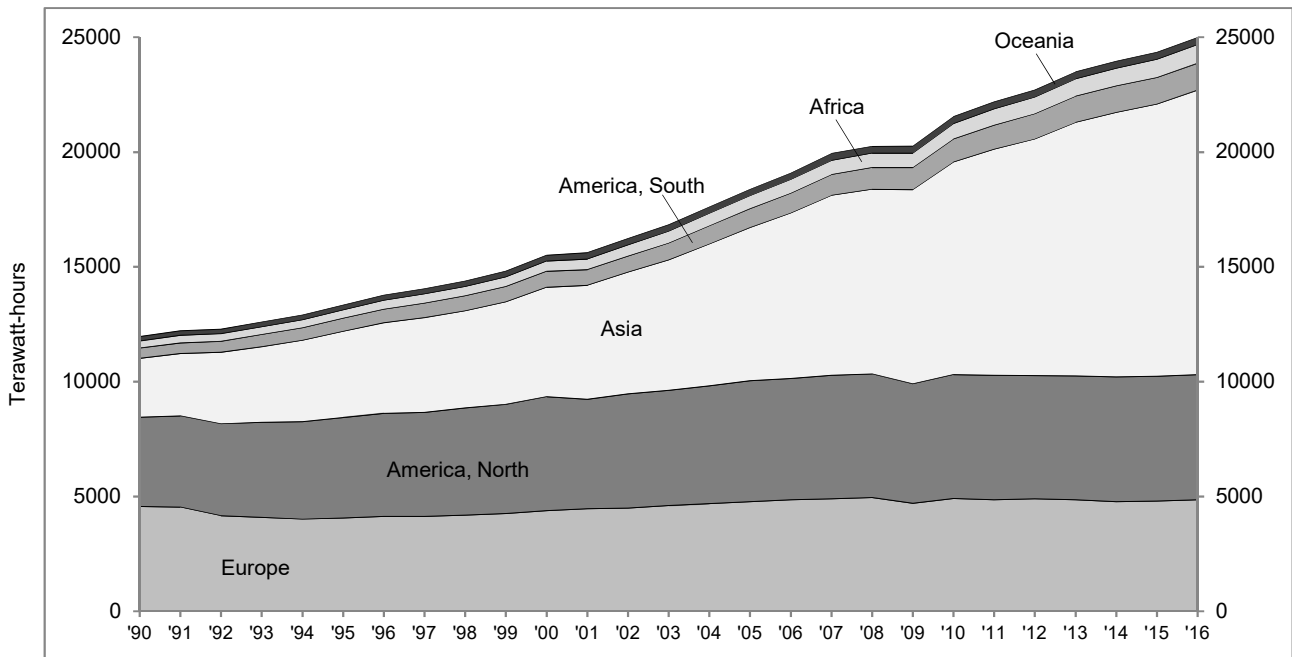


Figure 82: Major electricity producing countries, 2016

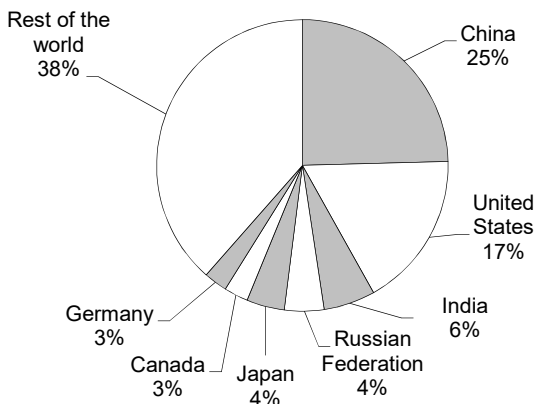
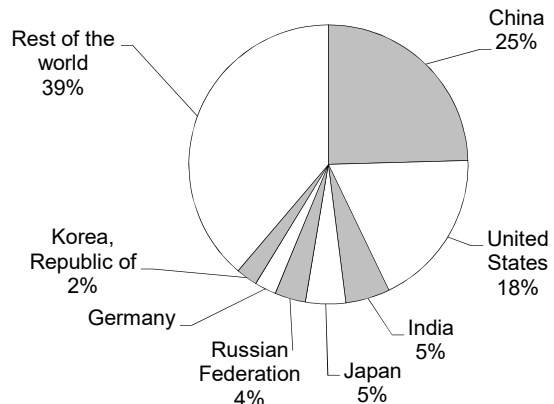


Figure 83: Major electricity consuming countries, 2016



Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

Country or area	Year	Production	Imports	Exports	Supply		Consumption	
					Total	Per capita	EIOU+losses	TFC
World	2013	23,486,650	689,807	670,482	23,505,974	3,259	3,962,959	19,551,148
	2014	23,950,593	723,439	702,130	23,971,902	3,285	3,979,865	19,870,441
	2015	24,347,611	762,612	733,731	24,376,493	3,302	4,077,220	20,214,037
	2016	24,988,243	730,740	728,669	24,990,314	3,347	4,078,568	20,784,522
Africa	2013	746,006	38,484	29,588	754,901	665	149,142	590,357
	2014	774,994	39,268	31,882	782,380	672	155,728	609,565
	2015	793,437	41,883	35,220	800,099	670	157,871	622,990
	2016	814,254	42,133	37,433	818,955	668	161,742	638,556
Algeria	2013	59,890	295	384	59,801	1,560	16,646	43,158
	2014	64,242	686	877	64,051	1,638	18,300	45,751
	2015	68,798	610	641	68,767	1,725	18,614	50,153
	2016	70,839	257	507	70,589	1,738	18,301	52,288
Angola	2013	8,216	..	..	8,216	316	1,129	7,087
	2014	9,480	..	..	9,480	352	1,302	8,178
	2015	9,765	..	..	9,765	351	1,341	8,424
	2016	10,361	..	..	10,361	360	1,423	8,938
Benin	2013	92	1,077	..	1,169	117	229	942
	2014	239	939	..	1,178	115	232	953
	2015	342	1,046	..	1,388	131	269	1,105
	2016	355	1,088	..	1,443	133	280	1,149
Botswana	2013	761	2,981	..	3,743	1,758	432	3,310
	2014	2,364	1,684	..	4,048	1,867	546	3,449
	2015	*2,967	1,468	..	*4,435	*2,008	945	3,495
	2016	2,688	1,650	..	4,338	1,928	871	3,479
Burkina Faso	2013	731	532	..	1,262	74	211	*1,052
	2014	870	488	..	1,359	77	233	*1,125
	2015	999	443	..	1,442	80	242	*1,200
	2016	973	630	..	1,603	86	*242	*1,361
Burundi	2013	159	103	..	262	27	48	*214
	2014	174	91	..	265	27	48	*217
	2015	166	*96	..	262	26	*48	*214
	2016	167	*100	..	267	25	*48	*216
Cabo Verde	2013	404	..	..	404	777	112	291
	2014	409	..	..	409	777	113	295
	2015	421	..	..	421	789	116	*305
	2016	444	..	..	444	823	*128	*316
Cameroon	2013	6,090	1,059	..	7,149	330	1,931	5,218
	2014	7,108	557	..	7,665	345	2,174	5,491
	2015	7,943	60	..	8,003	350	1,896	6,107
	2016	8,367	55	..	8,422	359	1,997	6,425
Central African Rep.	2013	139	..	..	139	31	*10	*129
	2014	171	..	..	171	38	*10	*161
	2015	*171	..	..	*171	*38	*10	*161
	2016	*172	..	..	*172	*37	*10	*162
Chad	2013	*225	..	..	*225	*17	*19	*206
	2014	*225	..	..	*225	*17	*19	*206
	2015	*228	..	..	*228	*16	*13	*215
	2016	*230	..	..	*230	*16	*12	*218
Comoros	2013	*56	*56	*76	*12	*44
	2014	*53	*53	*69	*11	*42
	2015	*38	*38	*49	*8	*31
	2016	*50	*50	*63	*10	*40

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Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

Country or area	Year	Production	Imports	Exports	Supply		Consumption	
					Total	Per capita	EIOU+losses	TFC
Congo	2013	1,709	56	19	1,746	367	953	802
	2014	1,740	18	22	1,736	356	970	798
	2015	1,734	18	22	1,730	346	966	796
	2016	1,753	18	22	1,749	341	976	805
Côte d'Ivoire	2013	7,650	0	820	6,830	311	2,063	5,046
	2014	8,286	0	877	7,409	329	1,601	5,561
	2015	8,711	23	872	7,862	340	2,180	6,023
	2016	10,253	19	1,877	8,395	354	2,140	6,615
Dem. Rep. of the Congo	2013	8,258	626	48	8,836	124	987	7,271
	2014	8,850	1,138	69	9,919	135	2,535	7,899
	2015	8,953	20	422	8,551	112	1,907	7,266
	2016	9,135	20	420	8,735	111	1,876	7,001
Djibouti	2013	402	..	..	402	448	*96	*305
	2014	402	..	..	402	441	*97	*305
	2015	402	..	..	402	433	*94	*305
	2016	402	..	..	402	427	*97	*305
Egypt	2013	168,050	61	460	167,651	1,867	29,726	137,591
	2014	180,377	51	730	179,698	1,957	32,131	146,645
	2015	187,479	43	1,158	186,364	1,987	32,229	154,205
	2016	199,927	54	747	199,234	2,082	35,112	162,275
Equatorial Guinea	2013	726	..	..	726	670	*108	*618
	2014	833	..	..	833	738	*125	*708
	2015	848	..	..	848	722	*130	*718
	2016	*850	..	..	*850	*696	*131	*719
Eritrea	2013	363	..	..	363	78	68	295
	2014	388	..	..	388	82	74	314
	2015	406	..	..	406	84	74	332
	2016	421	..	..	421	85	83	338
Eswatini	2013	*590	822	..	1,412	1,110	184	1,227
	2014	567	860	..	1,427	1,102	171	1,256
	2015	*496	980	..	1,476	1,119	*180	1,296
	2016	388	1,077	..	1,465	1,091	203	1,262
Ethiopia	2013	8,719	..	954	7,765	82	1,672	6,087
	2014	9,534	..	712	8,822	91	2,162	6,660
	2015	10,437	..	166	10,271	103	2,085	8,334
	2016	11,226	..	179	11,047	108	2,243	8,802
Gabon	2013	2,101	184	..	2,285	1,257	566	1,719
	2014	1,999	388	..	2,387	1,273	592	1,795
	2015	2,128	337	..	2,465	1,277	612	1,853
	2016	2,336	344	..	2,680	1,354	664	2,016
Gambia	2013	*261	..	..	*261	*140	*64	*209
	2014	*281	..	..	*281	*146	*63	*209
	2015	*297	..	..	*297	*150	*66	*221
	2016	*314	..	..	*314	*154	*69	*233
Ghana	2013	13,050	27	530	12,547	476	1,841	10,636
	2014	13,143	51	522	12,672	470	1,919	10,694
	2015	11,672	223	587	11,308	410	1,586	9,684
	2016	13,203	574	274	13,503	479	2,071	11,418
Guinea	2013	654	..	..	654	57	*113	*541
	2014	712	..	..	712	60	*117	*596
	2015	1,118	..	..	1,118	92	*145	*966
	2016	1,596	..	..	1,596	129	*180	*1,405

Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

Country or area	Year	Production	Imports	Exports	Supply		Consumption	
					Total	Per capita	EIOU+losses	TFC
Guinea-Bissau	2013	*35	..	..	*35	*21	0	*35
	2014	*35	..	..	*35	*20	0	*35
	2015	*36	..	..	*36	*21	0	*36
	2016	*38	..	..	*38	*21	0	*38
Kenya	2013	8,448	49	36	8,461	189	1,525	7,296
	2014	9,139	158	27	9,270	201	1,706	7,786
	2015	9,515	59	46	9,528	202	1,689	7,732
	2016	9,971	86	39	10,019	207	2,015	8,346
Lesotho	2013	515	285	2	798	377	88	711
	2014	515	271	3	783	365	98	675
	2015	532	261	4	788	363	122	*694
	2016	508	373	3	878	398	113	*765
Liberia	2013	*340	..	..	*340	*79	*84	*256
	2014	*340	..	..	*340	*77	*84	*256
	2015	*350	..	..	*350	*78	*85	*265
	2016	*440	..	..	*440	*95	*165	*275
Libya	2013	37,921	64	1	37,984	6,130	7,824	18,995
	2014	37,739	88	0	37,827	6,097	7,826	17,019
	2015	37,721	88	0	37,809	6,064	7,749	15,277
	2016	36,430	376	..	36,806	5,848	7,934	13,980
Madagascar	2013	1,593	..	..	1,593	69	*65	1,124
	2014	1,658	..	..	1,658	70	*67	1,170
	2015	1,712	..	..	1,712	71	*70	1,195
	2016	1,822	..	..	1,822	73	*70	1,179
Malawi	2013	*2,046	..	32	*2,014	*121	*485	1,529
	2014	*2,151	..	39	*2,111	*124	*393	1,718
	2015	*2,136	..	*39	*2,096	*119	*537	1,559
	2016	*2,160	..	*39	*2,120	*117	*543	*1,577
Mali	2013	1,434	..	*460	973	59	*45	1,094
	2014	1,626	..	*479	1,147	68	*57	*1,214
	2015	1,772	..	*486	1,286	74	*64	*1,347
	2016	1,965	..	*529	1,436	80	*72	*1,489
Mauritania	2013	812	174	..	986	250	188	792
	2014	851	183	..	1,034	254	*197	844
	2015	1,002	183	..	1,185	283	*215	932
	2016	1,006	221	57	1,170	272	*215	941
Mauritius	2013	2,882	..	..	2,882	2,296	496	2,384
	2014	2,936	..	..	2,936	2,335	480	2,452
	2015	2,996	..	..	2,996	2,378	486	2,506
	2016	3,028	..	..	3,028	2,399	461	2,559
Mayotte	2013	285	..	..	285	1,254	25	261
	2014	299	..	..	299	1,281	26	274
	2015	316	..	..	316	1,316	27	*288
	2016	328	..	..	328	1,329	28	*302
Morocco	2013	28,242	5,551	151	33,642	980	5,609	28,033
	2014	29,384	6,138	128	35,394	1,016	6,140	29,254
	2015	31,217	5,138	165	36,190	1,024	6,252	29,939
	2016	32,141	5,289	135	37,295	1,041	6,233	31,063
Mozambique	2013	15,645	8,339	9,058	14,926	565	2,867	11,605
	2014	17,739	7,656	10,199	15,196	558	2,850	12,342
	2015	19,641	10,547	12,876	17,312	618	5,318	12,180
	2016	18,697	9,928	14,269	14,355	498	2,538	11,383

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Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

Country or area	Year	Production	Imports	Exports	Supply		Consumption	
					Total	Per capita	EIOU+losses	TFC
Namibia	2013	1,712	2,916	89	4,539	1,959	369	3,772
	2014	1,498	2,886	84	4,300	1,814	543	3,747
	2015	1,536	2,678	88	4,126	1,701	337	3,782
	2016	1,421	3,073	99	4,395	1,772	486	3,909
Niger	2013	438	602	3	1,037	56	200	836
	2014	499	727	0	1,226	64	209	858
	2015	526	782	0	1,308	66	259	916
	2016	526	779	..	1,305	63	277	975
Nigeria	2013	28,883	..	..	28,883	168	5,361	23,487
	2014	30,390	..	..	30,390	172	5,615	24,439
	2015	31,426	..	..	31,426	173	5,793	25,091
	2016	30,897	..	..	30,897	166	5,727	25,308
Réunion	2013	2,813	..	..	2,813	3,308	269	2,555
	2014	2,857	..	..	2,857	3,335	259	2,598
	2015	2,891	..	..	2,891	3,349	234	2,657
	2016	2,944	..	..	2,944	3,384	235	2,709
Rwanda	2013	413	94	0	507	46	*119	388
	2014	476	90	4	562	50	*123	438
	2015	524	83	3	604	52	132	419
	2016	634	78	4	708	59	145	*560
Sao Tome and Principe	2013	71	..	..	71	379	*20	*51
	2014	*77	..	..	*77	*405	*19	*58
	2015	*81	..	..	*81	*415	*18	*64
	2016	86	..	..	86	430	17	*69
Senegal	2013	3,253	308	..	3,561	252	632	3,079
	2014	3,575	318	..	3,893	268	648	3,245
	2015	3,818	333	..	4,151	277	685	3,466
	2016	4,097	360	..	4,457	289	724	3,734
Seychelles	2013	354	..	..	354	3,818	49	307
	2014	363	..	..	363	3,890	51	313
	2015	378	..	..	378	4,032	*53	324
	2016	*409	..	..	*409	*4,341	43	366
Sierra Leone	2013	164	..	..	164	24	95	69
	2014	181	..	..	181	26	81	86
	2015	*205	..	..	*205	*28	*95	*110
	2016	*208	..	..	*208	*28	*96	*112
Somalia	2013	350	..	..	350	27	*35	315
	2014	350	..	..	350	26	*35	315
	2015	350	..	..	350	25	*35	315
	2016	350	..	..	350	24	*35	315
South Africa	2013	256,073	9,428	13,929	251,572	4,679	51,789	196,804
	2014	252,578	11,177	13,836	249,919	4,582	51,474	195,505
	2015	249,655	13,059	14,609	248,105	4,487	49,858	193,862
	2016	252,747	10,555	16,549	246,753	4,405	52,666	192,818
South Sudan	2013	471	..	..	471	42	44	415
	2014	489	..	..	489	42	46	431
	2015	577	..	..	577	49	44	529
	2016	439	..	..	439	36	35	402
St. Helena and Depend.	2013	11	11	2,615	*2	9
	2014	10	10	2,435	*1	9
	2015	10	10	2,511	*1	9
	2016	11	11	2,610	*1	9

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Gigawatt-hours and kilowatt-hours per capita

Country or area	Year	Production	Imports	Exports	Supply		Consumption	
					Total	Per capita	EIOU+losses	TFC
Sudan	2013	10,607	..	..	10,607	288	2,712	7,895
	2014	11,376	..	..	11,376	301	1,115	10,261
	2015	13,047	..	..	13,047	338	1,901	11,146
	2016	14,429	..	..	14,429	365	1,915	12,514
Togo	2013	360	773	..	1,133	161	196	937
	2014	358	857	..	1,215	168	192	1,023
	2015	444	857	..	1,301	175	200	1,138
	2016	950	448	..	1,398	184	215	1,185
Tunisia	2013	18,382	177	233	18,326	1,664	3,589	14,729
	2014	19,024	536	625	18,935	1,699	3,723	15,190
	2015	19,676	403	500	19,579	1,737	4,665	15,437
	2016	19,808	134	255	19,687	1,726	3,976	15,569
Uganda	2013	3,416	46	106	3,356	89	725	2,631
	2014	3,551	33	168	3,416	88	648	2,768
	2015	3,473	48	122	3,399	85	608	2,791
	2016	3,535	41	265	3,310	80	656	2,654
United Rep. of Tanzania	2013	5,941	59	..	6,000	118	1,155	4,836
	2014	6,219	59	..	6,278	120	1,153	4,976
	2015	6,394	71	..	6,465	120	1,141	5,250
	2016	6,998	102	..	7,100	128	1,144	5,526
Zambia	2013	13,301	73	1,083	12,291	811	1,445	10,846
	2014	14,455	13	1,256	13,212	846	2,493	10,719
	2015	13,440	785	1,176	13,050	811	1,600	11,450
	2016	11,695	2,185	794	13,086	789	2,228	10,858
Zimbabwe	2013	9,499	1,722	1,189	10,032	666	1,814	8,285
	2014	9,812	1,127	1,226	9,713	630	1,832	8,238
	2015	9,522	1,139	1,239	9,422	597	1,843	6,876
	2016	7,090	2,220	369	8,941	554	1,568	7,282
America, North	2013	5,397,267	83,970	76,738	5,404,499	9,625	779,500	4,638,273
	2014	5,439,168	84,775	77,147	5,446,796	9,611	790,366	4,661,319
	2015	5,436,447	89,216	82,359	5,443,305	9,517	797,705	4,628,535
	2016	5,452,655	84,438	87,237	5,449,856	9,442	774,545	4,672,628
Anguilla	2013	89	..	..	89	6,196	11	*77
	2014	90	..	..	90	6,190	11	*78
	2015	94	..	..	94	6,454	13	*81
	2016	103	..	..	103	6,976	12	*91
Antigua and Barbuda	2013	*330	..	..	*330	*3,373	91	*237
	2014	*336	..	..	*336	*3,398	*94	*242
	2015	*340	..	..	*340	*3,403	*90	*250
	2016	*344	..	..	*344	*3,407	*91	*253
Aruba	2013	*928	..	..	*928	*8,994	149	*779
	2014	*917	..	..	*917	*8,831	138	*779
	2015	*932	..	..	*932	*8,928	153	*778
	2016	*947	..	..	*947	*9,032	*158	*789
Bahamas	2013	1,885	..	..	1,885	4,997	117	1,768
	2014	1,922	..	..	1,922	5,029	*108	1,814
	2015	1,998	..	..	1,998	5,165	*87	1,930
	2016	1,966	..	..	1,966	5,025	*86	1,965
Barbados	2013	1,016	..	..	1,016	3,596	101	915
	2014	1,021	1,021	3,601	106	*914
	2015	1,029	1,029	3,621	96	*933
	2016	1,045	1,045	3,668	98	948

Table 33

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Gigawatt-hours and kilowatt-hours per capita

Country or area	Year	Production	Imports	Exports	Supply		Consumption	
					Total	Per capita	EIOU+losses	TFC
Belize	2013	*371	234	..	*605	*1,758	80	536
	2014	*404	233	..	*637	*1,812	79	558
	2015	*417	255	..	*672	*1,870	83	589
	2016	*414	253	..	*667	*1,817	82	585
Bermuda	2013	677	..	..	677	10,788	90	586
	2014	661	..	..	661	10,594	*82	577
	2015	674	..	..	674	10,875	*84	591
	2016	665	..	..	665	10,790	*79	586
Bonaire, St Eustatius, Saba	2013	116	..	..	116	4,948	*31	*85
	2014	120	..	..	120	4,985	*32	*88
	2015	127	..	..	127	5,157	*31	*96
	2016	133	..	..	133	5,304	*32	*101
British Virgin Islands	2013	198	..	..	198	6,816	26	*173
	2014	199	..	..	199	6,723	20	*179
	2015	*200	..	..	*200	*6,632	*21	*179
	2016	*202	..	..	*202	*6,580	*21	*181
Canada	2013	659,434	10,694	62,739	607,389	17,228	101,999	516,677
	2014	661,667	12,808	58,574	615,901	17,298	106,285	505,840
	2015	668,146	8,726	68,447	608,425	16,924	114,296	471,800
	2016	667,438	9,302	73,455	603,285	16,624	115,028	474,677
Cayman Islands	2013	615	..	..	615	10,536	40	575
	2014	621	..	..	621	10,495	37	584
	2015	640	..	..	640	10,673	38	601
	2016	666	..	..	666	10,960	40	627
Costa Rica	2013	10,234	531	484	10,282	2,185	1,192	9,102
	2014	10,216	759	555	10,421	2,190	1,223	9,207
	2015	10,812	537	643	10,705	2,227	1,285	9,428
	2016	10,880	807	657	11,030	2,271	1,253	9,785
Cuba	2013	19,140	..	..	19,140	1,677	3,952	15,188
	2014	19,366	..	..	19,366	1,693	3,974	15,392
	2015	20,288	..	..	20,288	1,770	4,128	16,160
	2016	20,459	..	..	20,459	1,783	4,175	16,283
Curaçao	2013	904	..	..	904	5,836	230	674
	2014	891	..	..	891	5,693	227	664
	2015	862	..	..	862	5,455	180	682
	2016	884	..	..	884	5,547	224	660
Dominica	2013	144	..	..	144	1,985	11	*132
	2014	147	..	..	147	2,024	11	*136
	2015	151	..	..	151	2,065	12	*139
	2016	156	..	..	156	2,120	13	*143
Dominican Republic	2013	17,649	..	..	17,649	1,717	2,787	14,862
	2014	17,168	..	..	17,168	1,650	2,847	14,321
	2015	17,923	..	..	17,923	1,702	2,971	14,952
	2016	18,691	..	..	18,691	1,755	3,100	15,591
El Salvador	2013	6,272	283	91	6,464	1,034	818	5,647
	2014	6,223	589	208	6,604	1,051	1,049	5,608
	2015	5,989	963	64	6,888	1,091	1,031	5,734
	2016	5,984	1,066	78	6,972	1,099	1,191	5,722
Greenland	2013	473	..	..	473	8,381	155	392
	2014	488	..	..	488	8,658	122	406
	2015	520	..	..	520	9,227	121	420
	2016	484	..	..	484	8,578	*106	410

Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

Country or area	Year	Production	Imports	Exports	Supply		Consumption	
					Total	Per capita	EIOU+losses	TFC
Grenada	2013	197	..	..	197	1,857	21	176
	2014	200	..	..	200	1,879	21	179
	2015	207	..	..	207	1,937	23	184
	2016	219	..	..	219	2,036	29	189
Guadeloupe	2013	1,729	..	..	1,729	3,832	219	1,511
	2014	1,734	..	..	1,734	3,845	226	1,510
	2015	1,781	..	..	1,781	3,953	277	1,504
	2016	1,791	..	..	1,791	3,981	232	*1,556
Guatemala	2013	10,125	267	588	9,804	629	1,068	8,635
	2014	10,638	708	1,207	10,139	637	1,186	8,953
	2015	11,157	585	1,087	10,655	656	1,080	9,466
	2016	11,789	747	1,335	11,201	675	1,251	9,907
Haiti	2013	1,055	..	..	1,055	101	618	456
	2014	1,033	..	..	1,033	98	632	410
	2015	1,038	..	..	1,038	97	625	411
	2016	1,084	..	..	1,084	100	634	417
Honduras	2013	7,499	268	156	7,611	879	1,915	5,696
	2014	8,398	827	505	8,720	990	1,426	7,310
	2015	8,965	679	536	9,108	1,016	1,311	7,814
	2016	8,783	195	..	8,978	985	1,492	7,059
Jamaica	2013	4,256	..	..	4,256	1,492	1,212	*3,039
	2014	4,123	..	..	4,123	1,441	1,115	*3,008
	2015	4,122	..	..	4,122	1,435	1,164	3,035
	2016	4,230	..	..	4,230	1,468	1,187	3,124
Martinique	2013	1,577	..	..	1,577	4,054	144	1,433
	2014	1,561	..	..	1,561	4,031	*149	1,410
	2015	1,570	..	..	1,570	4,069	156	1,411
	2016	1,587	..	..	1,587	4,120	142	1,446
Mexico	2013	297,326	1,210	1,240	297,296	2,426	57,789	241,470
	2014	301,496	2,124	2,653	300,967	2,423	57,327	252,220
	2015	310,719	1,650	2,320	310,049	2,463	57,976	257,450
	2016	320,353	2,232	1,968	320,617	2,514	61,544	270,367
Montserrat	2013	*23	..	..	*23	*4,538	*3	20
	2014	*24	..	..	*24	*4,708	*3	20
	2015	*24	..	..	*24	*4,684	*3	20
	2016	*20	..	..	*20	*3,882	*1	*18
Nicaragua	2013	4,164	52	16	4,200	706	1,043	3,196
	2014	4,453	22	49	4,426	736	1,087	3,325
	2015	4,578	34	22	4,590	755	1,201	3,396
	2016	4,590	205	18	4,777	777	1,444	3,340
Panama	2013	8,962	75	71	8,966	2,336	1,431	7,511
	2014	9,287	193	99	9,381	2,403	1,528	7,832
	2015	10,295	17	139	10,173	2,563	1,601	8,549
	2016	10,885	30	398	10,518	2,607	1,719	8,761
Puerto Rico	2013	21,812	..	..	21,812	5,913	*3,459	18,353
	2014	21,316	..	..	21,316	5,791	*3,695	17,621
	2015	21,160	..	..	21,160	5,760	*3,675	17,485
	2016	20,894	..	..	20,894	5,696	*3,582	17,312
Sint Maarten (Dutch part)	2013	355	..	..	355	9,751	32	323
	2014	*358	..	..	*358	*9,491	*32	326
	2015	*369	..	..	*369	*9,523	*33	336
	2016	*376	..	..	*376	*9,508	*34	342

Table 33

Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

Country or area	Year	Production	Imports	Exports	Supply		Consumption	
					Total	Per capita	EIOU+losses	TFC
St. Kitts-Nevis	2013	*220	..	..	*220	*4,138	*40	*180
	2014	*221	..	..	*221	*4,118	*41	*180
	2015	*225	..	..	*225	*4,150	*42	*184
	2016	219	..	..	219	3,989	*44	*175
St. Lucia	2013	383	..	..	383	2,180	48	334
	2014	379	..	..	379	2,151	47	332
	2015	381	..	..	381	2,152	44	338
	2016	391	..	..	391	2,199	43	348
St. Pierre-Miquelon	2013	47	..	..	47	7,432	2	45
	2014	48	..	..	48	7,711	2	46
	2015	49	..	..	49	7,727	4	45
	2016	49	..	..	49	7,740	4	45
St. Vincent-Grenadines	2013	*139	..	..	*139	*1,271	*14	125
	2014	*157	..	..	*157	*1,440	*16	*140
	2015	*166	..	..	*166	*1,517	*16	*150
	2016	*136	..	..	*136	*1,240	10	*144
Trinidad and Tobago	2013	9,509	..	..	9,509	7,053	584	8,926
	2014	9,899	..	..	9,899	7,308	592	9,306
	2015	10,304	..	..	10,304	7,576	600	9,703
	2016	10,716	..	..	10,716	7,851	600	10,092
Turks and Caicos Islands	2013	*209	..	..	*209	*6,313	*16	193
	2014	*227	..	..	*227	*6,728	*18	209
	2015	*239	..	..	*239	*6,960	*19	*220
	2016	*250	..	..	*250	*7,163	*20	230
United States	2013	4,306,371	70,355	11,353	4,365,373	13,835	597,809	3,767,564
	2014	4,340,371	66,511	13,298	4,393,584	13,829	604,630	3,788,954
	2015	4,317,159	75,770	9,100	4,383,829	13,702	602,993	3,780,836
	2016	4,322,038	69,601	9,329	4,382,310	13,602	574,599	3,807,711
United States Virgin Is.	2013	834	..	..	834	7,916	153	681
	2014	*788	..	..	*788	*7,498	*147	641
	2015	*797	..	..	*797	*7,591	*141	*656
	2016	*795	..	..	*795	*7,576	*146	*649
America, South	2013	1,140,949	50,019	50,070	1,140,898	2,795	215,058	929,603
	2014	1,153,070	44,714	44,633	1,153,150	2,797	218,573	926,336
	2015	1,155,296	44,220	44,281	1,155,234	2,774	223,467	923,963
	2016	1,165,568	51,670	51,635	1,165,602	2,772	226,406	936,815
Argentina	2013	140,863	8,303	247	148,919	3,501	24,792	124,127
	2014	138,576	10,028	166	148,438	3,454	22,173	126,266
	2015	145,447	9,018	55	154,410	3,556	24,771	129,641
	2016	147,220	9,851	329	156,742	3,575	24,796	131,946
Bolivia (Plur. State of)	2013	8,064	..	..	8,064	775	919	6,962
	2014	8,561	..	..	8,561	811	997	7,392
	2015	9,123	..	..	9,123	851	1,023	7,875
	2016	9,409	..	..	9,409	864	1,286	8,201
Brazil	2013	570,838	40,334	0	611,172	3,019	124,717	486,454
	2014	590,542	33,778	3	624,317	3,057	120,317	504,001
	2015	581,228	34,642	219	615,651	2,989	122,963	492,687
	2016	578,897	41,313	518	619,692	2,984	128,089	491,605
Chile	2013	73,065	..	..	73,065	4,184	9,075	65,201
	2014	70,753	..	..	70,753	4,017	6,353	67,148
	2015	75,387	..	..	75,387	4,244	7,708	67,007
	2016	79,308	..	2	79,306	4,428	6,386	70,171

Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

Country or area	Year	Production	Imports	Exports	Supply		Consumption	
					Total	Per capita	EIOU+losses	TFC
Colombia	2013	70,858	5	1,374	69,489	1,468	8,572	67,260
	2014	70,059	47	849	69,257	1,449	9,464	51,268
	2015	67,527	45	484	67,088	1,391	11,290	51,153
	2016	71,315	378	45	71,648	1,473	13,798	60,149
Ecuador	2013	23,774	662	29	24,407	1,558	3,991	20,420
	2014	24,307	837	47	25,097	1,578	3,634	21,697
	2015	25,950	512	46	26,416	1,636	3,684	22,874
	2016	26,899	82	402	26,579	1,622	3,574	23,492
Falkland Is. (Malvinas)	2013	*18	..	..	*18	*6,272	0	*18
	2014	*18	..	..	*18	*6,235	0	*18
	2015	*18	..	..	*18	*6,211	0	*18
	2016	*18	..	..	*18	*6,186	0	*18
French Guiana	2013	883	..	..	883	3,470	114	769
	2014	911	..	..	911	3,482	136	776
	2015	923	..	..	923	3,435	130	793
	2016	967	..	..	967	3,507	132	835
Guyana	2013	962	..	..	962	1,269	258	704
	2014	979	..	..	979	1,283	244	736
	2015	1,039	..	..	1,039	1,352	249	790
	2016	1,081	..	..	1,081	1,398	255	826
Paraguay	2013	60,381	..	47,365	13,016	2,013	3,998	9,018
	2014	55,282	..	41,400	13,882	2,119	3,850	10,030
	2015	55,744	..	41,127	14,618	2,202	4,041	10,576
	2016	63,771	..	48,415	15,356	2,283	4,344	11,012
Peru	2013	43,330	0	0	43,330	1,418	5,145	38,208
	2014	45,508	0	13	45,495	1,469	5,818	39,719
	2015	48,277	1	55	48,223	1,537	5,891	42,334
	2016	52,720	22	38	52,704	1,659	7,315	45,390
Suriname	2013	2,035	..	..	2,035	3,751	281	1,737
	2014	2,073	..	..	2,073	3,784	263	1,768
	2015	2,084	..	..	2,084	3,767	312	1,772
	2016	2,027	..	..	2,027	3,630	250	1,776
Uruguay	2013	11,658	0	206	11,451	3,360	1,712	9,850
	2014	13,008	0	1,267	11,742	3,434	1,720	10,132
	2015	13,734	2	1,321	12,415	3,618	1,983	10,539
	2016	13,805	24	779	13,050	3,789	1,922	11,115
Venezuela (Bolivar. Rep.)	2013	134,220	715	848	134,086	4,423	*31,483	98,876
	2014	132,492	24	889	131,627	4,282	*43,605	85,385
	2015	128,815	0	974	127,841	4,103	*39,422	85,904
	2016	118,130	0	1,107	117,023	3,707	*34,259	80,279
Asia	2013	11,040,002	95,629	81,173	11,054,458	2,552	1,870,397	9,197,387
	2014	11,506,650	97,706	80,514	11,523,842	2,633	1,872,757	9,565,417
	2015	11,848,167	101,994	77,961	11,872,200	2,686	1,940,707	9,904,470
	2016	12,385,882	105,153	93,341	12,397,694	2,778	1,956,777	10,351,987
Afghanistan	2013	*1,022	3,615	..	4,638	146	*547	*3,322
	2014	*1,049	3,711	..	4,760	145	*558	*3,767
	2015	*1,034	3,779	..	4,813	143	*660	*3,888
	2016	*1,076	4,400	..	5,476	158	670	*4,366
Armenia	2013	7,710	148	1,313	6,545	2,262	1,278	5,404
	2014	7,750	206	1,314	6,642	2,285	1,290	5,353
	2015	7,799	174	1,424	6,549	2,245	1,181	5,368
	2016	7,315	275	1,229	6,361	2,175	1,033	5,328

Table 33

Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

Country or area	Year	Production	Imports	Exports	Supply		Consumption	
					Total	Per capita	EIOU+losses	TFC
Azerbaijan	2013	23,354	127	495	22,986	2,449	6,921	15,982
	2014	24,728	124	489	24,363	2,564	7,368	16,907
	2015	24,688	108	265	24,531	2,551	6,805	17,619
	2016	24,953	114	1,096	23,971	2,465	6,310	17,618
Bahrain	2013	25,909	70	53	25,926	19,709	1,413	24,513
	2014	27,253	240	237	27,256	20,395	1,076	26,186
	2015	29,996	219	198	30,017	21,881	2,176	27,815
	2016	29,856	276	293	29,839	20,937	618	*27,752
Bangladesh	2013	53,120	..	..	53,120	337	10,016	42,881
	2014	55,845	..	..	55,845	350	9,542	45,965
	2015	59,011	..	..	59,011	366	9,834	48,570
	2016	64,327	..	..	64,327	395	10,472	52,945
Bhutan	2013	7,550	37	5,625	1,962	2,565	83	1,841
	2014	7,164	159	5,147	2,177	2,803	81	2,004
	2015	7,747	125	5,721	2,151	2,731	67	2,057
	2016	7,954	84	5,763	2,275	2,851	*266	2,009
Brunei Darussalam	2013	4,402	..	..	4,402	10,850	1,247	3,155
	2014	4,506	..	..	4,506	10,945	1,148	3,357
	2015	4,200	..	..	4,200	10,059	1,035	3,391
	2016	4,270	..	..	4,270	10,090	1,043	3,227
Cambodia	2013	1,778	2,282	..	4,060	270	551	3,509
	2014	3,062	1,803	..	4,865	319	807	4,058
	2015	4,397	1,526	..	5,923	382	939	4,984
	2016	5,594	1,583	..	7,177	455	1,122	6,053
China	2013	5,431,637	7,438	18,669	5,420,406	3,920	936,237	4,484,105
	2014	5,649,583	6,750	18,158	5,638,175	4,056	951,993	4,686,376
	2015	5,814,573	6,210	18,654	5,802,129	4,153	970,593	4,831,403
	2016	6,142,486	6,185	18,907	6,129,764	4,367	1,028,048	5,101,661
China, Hong Kong SAR	2013	39,063	9,969	1,650	47,382	6,628	4,826	42,556
	2014	39,803	10,288	1,226	48,865	6,792	4,986	43,880
	2015	37,924	11,742	1,187	48,479	6,691	4,567	43,912
	2016	38,154	11,621	1,205	48,570	6,651	4,542	44,028
China, Macao SAR	2013	413	4,059	..	4,472	7,766	183	4,288
	2014	641	4,099	..	4,740	8,051	210	4,530
	2015	962	4,054	..	5,016	8,347	185	4,831
	2016	988	4,306	..	5,294	8,648	218	5,076
Cyprus	2013	4,290	..	..	4,290	3,750	371	3,921
	2014	4,350	..	..	4,350	3,775	385	3,965
	2015	4,533	..	..	4,533	3,904	443	4,091
	2016	4,887	..	..	4,887	4,176	488	4,399
Georgia	2013	10,059	484	450	10,093	2,495	1,019	9,074
	2014	10,371	853	604	10,619	2,660	834	9,784
	2015	10,833	699	660	10,872	2,751	966	9,907
	2016	11,574	1,329	1,409	11,494	2,928	1,087	10,487
India	2013	1,193,480	5,598	..	1,199,078	938	309,023	890,055
	2014	1,308,873	4,998	..	1,313,871	1,015	*279,116	948,327
	2015	1,354,382	5,244	..	1,359,626	1,039	325,460	1,029,080
	2016	1,432,358	5,617	6,710	1,431,265	1,081	253,779	1,066,268
Indonesia	2013	222,017	3	..	222,020	881	31,543	196,967
	2014	234,549	9	..	234,558	919	32,018	198,355
	2015	267,287	13	..	267,300	1,035	34,895	212,767
	2016	233,355	1	..	233,356	894	32,606	215,781

Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

Country or area	Year	Production	Imports	Exports	Supply		Consumption	
					Total	Per capita	EIOU+losses	TFC
Iran (Islamic Rep. of)	2013	262,434	3,707	11,586	254,555	3,287	49,891	205,593
	2014	274,437	3,772	9,660	268,549	3,425	46,124	221,428
	2015	280,633	4,148	6,822	277,959	3,502	44,863	232,820
	2016	289,094	4,221	6,688	286,627	3,570	45,130	240,955
Iraq	2013	58,422	12,202	..	70,624	2,084	25,595	45,042
	2014	67,768	12,251	..	80,019	2,286	36,025	43,993
	2015	*68,688	13,104	..	*81,792	*2,265	32,887	42,035
	2016	80,030	11,965	..	91,995	2,473	50,981	38,733
Israel	2013	61,322	..	4,675	56,647	7,243	5,185	51,640
	2014	60,813	..	4,844	55,969	7,048	4,610	51,318
	2015	64,226	..	5,197	59,029	7,320	5,169	54,373
	2016	66,976	..	5,553	61,423	7,498	5,294	56,209
Japan	2013	1,073,255	..	..	1,073,255	8,364	106,693	974,765
	2014	1,052,579	..	..	1,052,579	8,213	95,383	960,250
	2015	1,046,944	..	..	1,046,944	8,181	91,154	952,388
	2016	1,057,976	..	..	1,057,976	8,282	99,223	967,349
Jordan	2013	17,263	381	59	17,585	2,090	3,121	14,472
	2014	18,270	435	64	18,641	2,116	3,300	15,321
	2015	19,012	1,768	145	20,634	2,253	3,452	16,528
	2016	19,730	977	133	20,574	2,176	3,571	16,804
Kazakhstan	2013	103,086	2,147	2,996	102,237	5,942	36,122	65,727
	2014	105,068	1,749	2,917	103,900	5,941	34,636	68,900
	2015	106,468	1,618	1,614	106,472	5,999	38,591	68,198
	2016	106,626	1,319	2,572	105,373	5,858	39,476	*65,898
Korea, Dem.Ppl's.Rep.	2013	18,332	..	..	18,332	734	4,638	13,694
	2014	17,909	..	..	17,909	713	4,531	13,378
	2015	13,737	..	..	13,737	544	3,475	10,262
	2016	16,926	..	..	16,926	667	4,281	12,645
Korea, Republic of	2013	541,996	..	..	541,996	10,803	55,282	487,125
	2014	550,934	..	..	550,934	10,934	58,053	486,834
	2015	552,697	..	..	552,697	10,924	58,010	495,311
	2016	562,603	..	..	562,603	11,077	58,581	517,271
Kuwait	2013	60,982	..	..	60,982	16,947	21,226	39,756
	2014	65,140	..	..	65,140	17,222	22,088	43,052
	2015	68,288	..	..	68,288	17,351	24,622	43,296
	2016	70,094	..	..	70,094	17,296	24,383	45,711
Kyrgyzstan	2013	14,011	0	377	13,634	2,399	3,095	10,267
	2014	14,572	286	72	14,786	2,561	3,802	10,984
	2015	13,030	729	184	13,575	2,314	2,988	10,587
	2016	13,262	331	199	13,394	2,249	3,105	10,160
Lao People's Dem. Rep.	2013	15,512	1,272	12,494	4,290	661	907	3,381
	2014	15,640	1,559	11,936	5,263	800	1,456	3,791
	2015	16,730	2,050	11,559	7,221	1,084	2,794	4,239
	2016	25,068	787	*18,693	7,163	1,060	*2,502	4,660
Lebanon	2013	17,487	522	..	18,009	3,413	1,651	16,358
	2014	17,952	136	..	18,088	3,228	1,879	16,210
	2015	18,468	268	..	18,736	3,202	1,933	16,614
	2016	18,690	69	..	18,759	3,123	1,956	16,966
Malaysia	2013	138,331	221	23	138,529	4,663	15,453	123,076
	2014	147,461	23	12	147,472	4,879	19,139	128,333
	2015	150,123	13	3	150,133	4,887	17,934	132,199
	2016	156,665	33	694	156,004	5,002	11,980	144,024

Table 33

Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

Country or area	Year	Production	Imports	Exports	Supply		Consumption	
					Total	Per capita	EIOU+losses	TFC
Maldives	2013	421	..	..	421	1,059	*30	*390
	2014	537	..	..	537	1,315	*34	*502
	2015	599	..	..	599	1,433	*42	*557
	2016	644	..	..	644	1,505	*51	*593
Mongolia	2013	5,020	1,196	18	6,197	2,160	1,465	4,732
	2014	5,376	1,349	33	6,692	2,289	1,565	5,159
	2015	5,513	1,417	51	6,879	2,311	1,561	5,284
	2016	5,667	1,446	36	7,077	2,338	1,566	5,446
Myanmar	2013	12,247	..	..	12,247	238	2,634	9,613
	2014	14,156	..	..	14,156	273	2,901	11,255
	2015	15,970	..	..	15,970	305	2,573	13,397
	2016	17,867	..	..	17,867	338	2,385	*15,482
Nepal	2013	3,130	1,072	4	4,198	150	785	3,413
	2014	3,508	1,319	3	4,823	170	*1,215	3,491
	2015	3,503	1,758	3	5,258	183	1,354	3,896
	2016	4,244	2,175	3	6,416	221	1,481	4,925
Oman	2013	26,240	..	..	26,240	7,070	3,450	22,790
	2014	29,128	..	..	29,128	7,354	3,955	25,173
	2015	32,758	..	..	32,758	7,800	3,846	28,912
	2016	34,210	..	..	34,210	7,731	3,851	30,359
Other Asia	2013	252,351	..	..	252,351	10,812	25,703	226,639
	2014	260,025	..	..	260,025	11,106	28,023	231,999
	2015	258,025	..	..	258,025	10,986	27,254	230,764
	2016	264,136	..	..	264,136	11,213	27,617	236,448
Pakistan	2013	*104,067	419	..	*104,486	*575	20,689	83,409
	2014	*106,966	443	..	*107,409	*579	21,611	85,818
	2015	*111,299	463	..	*111,762	*590	21,332	90,429
	2016	*123,118	496	..	*123,614	*640	28,084	95,529
Philippines	2013	75,300	..	..	75,300	765	13,700	61,566
	2014	77,295	..	..	77,295	772	13,916	63,345
	2015	82,447	..	..	82,447	811	14,606	67,808
	2016	90,832	..	..	90,832	879	16,643	74,154
Qatar	2013	34,668	..	..	34,668	15,405	4,603	30,066
	2014	38,692	..	..	38,692	16,295	4,909	33,784
	2015	41,499	..	..	41,499	16,723	5,122	36,378
	2016	42,307	..	..	42,307	16,463	5,174	37,134
Saudi Arabia	2013	284,010	434	482	283,962	9,483	35,791	248,226
	2014	311,804	466	515	311,754	10,130	39,693	272,115
	2015	338,331	461	512	338,280	10,720	45,893	292,765
	2016	345,104	343	1,062	344,384	10,670	49,393	294,669
Singapore	2013	47,963	..	..	47,963	8,947	2,384	44,949
	2014	49,310	..	..	49,310	9,050	2,548	46,403
	2015	50,272	..	..	50,272	9,082	2,428	47,514
	2016	51,587	..	..	51,587	9,175	2,431	48,626
Sri Lanka	2013	12,060	..	..	12,060	588	1,481	10,554
	2014	12,861	..	..	12,861	624	1,863	10,997
	2015	13,227	..	..	13,227	639	1,486	11,741
	2016	14,361	..	..	14,361	691	1,629	12,715
State of Palestine	2013	534	4,734	..	5,268	1,193	527	4,743
	2014	339	4,935	..	5,274	1,162	633	4,642
	2015	515	5,413	..	5,928	1,271	711	5,216
	2016	537	5,473	..	6,010	1,255	721	5,289

Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

Country or area	Year	Production	Imports	Exports	Supply		Consumption	
					Total	Per capita	EIOU+losses	TFC
Syrian Arab Republic	2013	25,933	..	529	25,404	1,282	6,599	18,805
	2014	21,726	..	138	21,588	1,124	5,835	15,753
	2015	17,881	..	262	17,619	940	4,654	12,965
	2016	18,112	..	67	18,045	979	4,912	13,133
Tajikistan	2013	17,115	117	1,061	16,171	1,977	2,684	13,487
	2014	16,472	13	1,366	15,119	1,808	2,891	12,344
	2015	17,162	63	1,400	15,825	1,851	2,790	12,446
	2016	17,232	103	1,427	15,908	1,821	2,846	12,922
Thailand	2013	170,148	12,569	1,279	181,438	2,663	16,560	164,322
	2014	172,259	12,260	1,594	182,925	2,674	16,476	178,991
	2015	177,479	14,414	2,267	189,626	2,762	15,120	183,627
	2016	191,321	19,825	1,385	209,761	3,046	15,525	194,248
Timor-Leste	2013	295	..	..	295	249	*78	*217
	2014	349	..	..	349	288	*91	*258
	2015	350	..	..	350	282	*96	254
	2016	413	..	..	413	325	*80	333
Turkey	2013	240,154	7,429	1,227	246,356	3,251	50,188	196,168
	2014	251,963	7,953	2,696	257,220	3,339	51,778	205,442
	2015	261,783	7,136	3,195	265,724	3,395	50,915	214,809
	2016	274,408	6,330	1,452	279,286	3,512	50,888	228,398
Turkmenistan	2013	18,870	..	2,850	16,020	2,985	5,686	10,334
	2014	20,400	..	3,210	17,190	3,145	6,101	11,089
	2015	22,534	..	3,201	19,333	3,474	6,860	12,473
	2016	22,534	..	3,201	19,333	3,414	6,860	12,473
United Arab Emirates	2013	109,979	226	242	109,964	12,210	12,239	95,365
	2014	116,528	248	276	116,501	12,843	13,206	101,174
	2015	127,366	234	249	127,351	13,912	13,570	111,076
	2016	129,596	1,141	506	130,231	14,049	12,089	*113,929
Uzbekistan	2013	54,200	12,930	12,838	54,292	1,809	9,424	44,868
	2014	55,400	13,216	13,122	55,494	1,819	9,632	45,862
	2015	57,280	11,336	12,384	56,232	1,815	9,760	46,472
	2016	58,319	10,839	12,319	56,839	1,807	9,865	46,974
Viet Nam	2013	128,549	221	178	128,592	1,405	*16,049	115,283
	2014	145,730	2,053	880	146,903	1,587	*18,276	128,627
	2015	*157,949	1,709	805	*158,853	*1,698	*18,792	143,683
	2016	181,401	1,489	739	182,151	1,926	*18,143	159,791
Yemen	2013	8,510	..	..	8,510	333	3,531	4,979
	2014	7,756	..	..	7,756	296	3,168	4,588
	2015	6,017	..	..	6,017	224	2,265	3,471
	2016	5,045	..	..	5,045	183	1,778	4,034
Europe	2013	4,859,067	421,706	432,914	4,847,859	6,554	903,946	3,937,175
	2014	4,774,280	456,977	467,954	4,763,303	6,435	897,196	3,850,426
	2015	4,807,038	485,300	493,909	4,798,429	6,477	911,652	3,873,082
	2016	4,858,109	447,346	459,022	4,846,432	6,536	909,042	3,923,102
Albania	2013	6,956	2,323	0	9,279	3,179	2,386	6,892
	2014	4,724	3,250	183	7,791	2,668	1,268	6,523
	2015	5,895	2,355	956	7,294	2,495	1,397	5,897
	2016	7,136	1,827	1,869	7,094	2,424	2,127	5,095
Andorra	2013	115	467	3	579	7,164	71	482
	2014	127	439	..	566	7,140	67	474
	2015	99	471	0	570	7,311	68	483
	2016	99	485	0	584	7,550	67	491

Table 33

Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

Country or area	Year	Production	Imports	Exports	Supply		Consumption	
					Total	Per capita	EIOU+losses	TFC
Austria	2013	68,313	24,960	17,689	75,584	8,812	14,283	61,301
	2014	65,440	26,712	17,437	74,715	8,654	14,409	60,306
	2015	65,299	29,369	19,311	75,357	8,683	14,295	61,062
	2016	68,351	26,366	19,207	75,510	8,667	13,658	61,852
Belarus	2013	31,507	9,382	3,012	37,877	3,996	7,942	29,935
	2014	34,735	7,806	4,488	38,053	4,012	7,833	30,220
	2015	34,082	6,104	3,482	36,704	3,869	7,416	29,288
	2016	33,566	6,319	3,298	36,587	3,859	7,211	29,376
Belgium	2013	83,488	17,243	7,603	93,128	8,351	10,397	83,029
	2014	72,672	21,791	4,188	90,275	8,047	9,488	81,153
	2015	69,849	23,714	2,715	90,848	8,048	9,133	81,708
	2016	85,520	14,648	8,465	91,703	8,074	9,978	81,848
Bosnia and Herzegovina	2013	17,451	3,167	6,862	13,756	3,816	2,823	10,933
	2014	16,160	3,162	5,998	13,324	3,736	2,737	10,587
	2015	15,629	3,872	6,007	13,494	3,816	2,819	10,675
	2016	17,767	3,084	6,841	14,010	3,984	1,564	11,088
Bulgaria	2013	43,784	3,351	9,532	37,603	5,175	10,070	27,532
	2014	47,485	4,319	13,774	38,030	5,266	10,298	27,674
	2015	49,228	4,251	14,826	38,653	5,385	10,305	28,326
	2016	45,277	4,568	10,940	38,905	5,455	9,966	28,898
Croatia	2013	14,052	11,260	7,391	17,921	4,189	2,849	15,072
	2014	13,554	10,898	6,945	17,507	4,112	2,674	14,833
	2015	11,403	13,158	6,369	18,192	4,295	2,849	15,343
	2016	12,820	12,398	6,867	18,351	4,356	3,051	15,300
Czechia	2013	86,913	10,571	27,458	70,026	6,610	14,351	53,280
	2014	86,148	11,842	28,142	69,848	6,590	14,106	53,276
	2015	83,892	16,146	28,661	71,377	6,731	14,602	54,638
	2016	83,309	13,817	24,791	72,335	6,817	14,331	56,050
Denmark	2013	34,743	11,459	10,377	35,825	6,354	4,564	31,106
	2014	32,185	12,702	9,847	35,040	6,187	4,137	30,775
	2015	28,946	15,645	9,734	34,857	6,127	3,668	30,880
	2016	30,522	14,976	9,919	35,579	6,229	4,208	31,154
Estonia	2013	13,275	2,712	6,300	9,687	7,330	2,867	6,820
	2014	12,446	3,730	6,484	9,692	7,352	2,786	6,906
	2015	10,417	5,452	6,377	9,492	7,216	2,640	6,852
	2016	12,176	3,577	5,614	10,139	7,725	3,000	7,299
Faeroe Islands	2013	293	..	..	293	6,001	*18	275
	2014	305	..	..	305	6,253	*22	284
	2015	314	..	..	314	6,421	*26	288
	2016	317	..	..	317	6,461	*26	291
Finland	2013	71,257	17,591	1,876	86,972	15,997	6,844	79,946
	2014	68,094	21,622	3,655	86,061	15,763	6,692	79,143
	2015	68,597	21,459	5,122	84,934	15,493	6,077	78,466
	2016	68,752	22,110	3,159	87,703	15,937	6,485	80,830
France	2013	573,846	11,687	60,148	525,385	8,215	75,572	450,377
	2014	564,154	7,873	75,063	496,964	7,737	71,739	424,313
	2015	570,323	9,961	74,024	506,260	7,850	72,566	434,671
	2016	556,184	19,903	61,404	514,683	7,948	73,567	442,372
Germany	2013	638,729	39,222	71,415	606,536	7,464	83,335	523,201
	2014	627,795	40,435	74,320	593,910	7,288	81,074	512,835
	2015	646,888	37,008	85,290	598,606	7,326	83,875	514,731
	2016	649,119	28,338	78,863	598,594	7,308	81,217	517,377

Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

Country or area	Year	Production	Imports	Exports	Supply		Consumption	
					Total	Per capita	EIOU+losses	TFC
Gibraltar	2013	189	..	..	189	5,587	10	179
	2014	198	..	..	198	5,817	10	188
	2015	224	..	..	224	6,544	11	213
	2016	254	..	..	254	7,382	13	241
Greece	2013	57,152	5,788	3,901	59,039	5,215	10,248	48,791
	2014	50,474	9,461	642	59,293	5,264	9,793	49,500
	2015	51,874	11,081	1,473	61,482	5,481	10,695	50,787
	2016	54,438	9,833	1,037	63,234	5,654	9,871	53,363
Guernsey	2013	289	111	..	400	6,433	*22	*378
	2014	227	156	..	383	6,182	*21	*362
	2015	157	218	..	375	6,139	*20	*355
	2016	87	285	..	372	6,170	*20	*352
Hungary	2013	30,294	16,635	4,758	42,171	4,285	7,294	34,873
	2014	29,392	19,079	5,689	42,782	4,360	7,054	34,737
	2015	30,342	19,935	6,249	44,028	4,500	7,053	36,291
	2016	31,859	17,951	5,240	44,570	4,570	7,029	37,118
Iceland	2013	18,116	..	..	18,116	55,396	656	16,823
	2014	18,123	..	..	18,123	55,176	997	16,830
	2015	18,799	..	..	18,799	56,925	1,012	17,470
	2016	18,550	..	..	18,550	55,794	1,043	17,303
Ireland	2013	25,920	2,625	383	28,162	6,015	3,609	24,202
	2014	26,087	2,853	704	28,236	6,025	3,482	24,137
	2015	28,387	1,752	1,079	29,060	6,183	3,511	25,072
	2016	30,418	871	1,583	29,706	6,286	3,607	25,574
Isle of Man	2013	341	58	*30	370	4,505	21	373
	2014	349	42	*30	362	4,377	17	368
	2015	323	63	*35	351	4,220	9	367
	2016	303	65	*16	352	4,204	*15	362
Italy	2013	289,807	44,338	2,200	331,945	5,560	44,547	287,398
	2014	279,827	46,747	3,031	323,543	5,427	42,046	281,498
	2015	282,994	50,849	4,471	329,372	5,532	41,889	287,483
	2016	289,768	43,181	6,154	326,795	5,496	40,768	286,027
Jersey	2013	157	568	..	724	7,243	71	656
	2014	108	566	..	674	6,673	60	615
	2015	48	625	..	673	6,554	52	622
	2016	70	614	..	684	6,562	47	637
Kosovo	2013	6,525	2,551	2,893	6,183	3,390	1,543	4,645
	2014	5,436	966	475	5,927	3,253	1,252	4,674
	2015	6,119	684	553	6,250	3,469	1,617	4,622
	2016	5,981	557	1,064	5,474	3,014	1,604	3,871
Latvia	2013	6,209	5,005	3,650	7,564	3,706	984	6,576
	2014	5,141	5,340	3,023	7,458	3,699	874	6,582
	2015	5,533	5,246	3,425	7,354	3,691	891	6,461
	2016	6,425	4,828	3,795	7,458	3,785	974	6,482
Liechtenstein	2013	85	319	..	404	10,965	0	404
	2014	41	355	..	396	10,674	0	396
	2015	70	325	..	395	10,566	0	395
	2016	90	309	..	399	10,582	0	399
Lithuania	2013	4,762	8,073	1,127	11,708	3,906	2,750	8,955
	2014	4,397	8,521	898	12,020	4,058	2,780	9,237
	2015	4,933	7,938	730	12,141	4,141	2,797	9,342
	2016	4,266	11,106	2,831	12,541	4,312	2,788	9,750

Table 33

Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

Country or area	Year	Production	Imports	Exports	Supply		Consumption	
					Total	Per capita	EIOU+losses	TFC
Luxembourg	2013	2,888	6,852	1,907	7,833	14,380	1,650	6,201
	2014	2,966	6,961	2,067	7,860	14,129	1,677	6,181
	2015	2,766	7,519	1,919	8,366	14,762	2,137	6,225
	2016	2,196	7,718	1,420	8,494	14,753	2,122	6,367
Malta	2013	2,251	..	..	2,251	5,318	301	1,950
	2014	2,245	..	..	2,245	5,275	240	2,005
	2015	1,303	1,054	..	2,357	5,512	243	2,114
	2016	856	1,525	..	2,381	5,545	267	2,114
Montenegro	2013	3,945	388	733	3,600	5,741	894	2,706
	2014	3,173	903	642	3,434	5,471	824	2,610
	2015	3,003	1,040	517	3,526	5,613	717	2,679
	2016	3,141	1,210	906	3,445	5,480	659	2,671
Netherlands	2013	101,736	33,252	15,015	119,973	7,124	15,584	104,135
	2014	103,418	32,855	18,128	118,145	6,995	15,170	101,436
	2015	110,070	30,760	22,012	118,818	7,015	15,193	103,112
	2016	115,170	24,258	19,343	120,085	7,069	14,752	105,628
Norway	2013	134,072	10,135	15,141	129,066	25,421	16,524	110,999
	2014	141,970	6,347	21,932	126,385	24,587	16,349	108,582
	2015	144,546	7,371	22,016	129,901	24,982	17,317	111,077
	2016	149,630	5,740	22,151	133,219	25,352	18,197	113,645
Poland	2013	164,580	7,801	12,322	160,059	4,178	36,502	123,557
	2014	159,059	13,508	11,342	161,225	4,210	35,878	125,347
	2015	164,944	14,459	14,793	164,610	4,302	36,791	127,819
	2016	166,635	14,017	12,018	168,634	4,412	35,795	132,839
Portugal	2013	51,672	8,100	5,324	54,448	5,172	9,191	45,257
	2014	52,802	7,247	6,344	53,705	5,129	8,510	45,195
	2015	52,420	8,077	5,811	54,686	5,249	8,874	45,812
	2016	60,280	4,616	9,701	55,195	5,322	8,842	46,353
Republic of Moldova	2013	2,779	1,456	..	4,235	1,040	592	3,645
	2014	3,573	731	..	4,304	1,058	656	3,649
	2015	4,239	18	..	4,257	1,047	568	3,686
	2016	4,230	4	..	4,234	1,043	609	3,622
Romania	2013	58,887	2,737	4,753	56,871	2,834	16,554	40,628
	2014	65,676	2,811	9,937	58,550	2,931	16,593	41,905
	2015	66,296	4,492	11,220	59,568	2,997	16,434	43,030
	2016	65,103	4,177	9,194	60,086	3,038	16,517	43,257
Russian Federation	2013	1,059,092	4,706	18,382	1,045,416	7,280	301,325	744,091
	2014	1,064,207	6,623	14,671	1,056,159	7,347	318,329	737,830
	2015	1,067,544	6,586	18,244	1,055,886	7,338	329,568	726,318
	2016	1,090,973	3,194	17,694	1,076,473	7,477	331,789	744,684
Serbia	2013	39,877	4,077	6,614	37,340	5,262	10,437	26,903
	2014	34,060	7,008	5,445	35,623	5,044	9,579	26,044
	2015	38,298	6,303	7,221	37,380	5,303	10,433	26,947
	2016	39,342	5,068	6,990	37,420	5,343	10,088	27,332
Slovakia	2013	28,832	10,719	10,628	28,923	5,331	3,827	25,084
	2014	27,401	12,964	11,862	28,503	5,246	4,330	24,157
	2015	26,903	14,999	12,611	29,291	5,385	4,905	24,371
	2016	27,064	13,249	10,598	29,715	5,458	4,712	24,987
Slovenia	2013	16,103	7,521	8,811	14,813	7,169	2,334	12,479
	2014	17,437	7,254	9,997	14,694	7,096	2,235	12,459
	2015	15,100	9,045	9,093	15,052	7,255	2,264	12,788
	2016	16,500	8,359	9,535	15,324	7,375	2,298	13,025

Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

Country or area	Year	Production	Imports	Exports	Supply		Consumption	
					Total	Per capita	EIOU+losses	TFC
Spain	2013	285,632	9,887	16,638	278,881	5,972	47,930	230,087
	2014	278,750	12,310	15,716	275,344	5,919	48,374	226,897
	2015	280,911	14,956	15,089	280,778	6,052	48,697	232,038
	2016	274,779	21,845	14,178	282,446	6,094	49,273	232,515
Sweden	2013	153,166	12,674	22,676	143,164	14,889	16,689	125,016
	2014	153,662	13,852	29,475	138,039	14,246	14,044	122,191
	2015	162,058	9,294	31,894	139,458	14,284	12,437	124,859
	2016	156,010	14,287	26,022	144,275	14,666	14,392	127,496
Switzerland	2013	70,227	29,874	32,270	67,831	8,303	8,508	59,313
	2014	71,767	28,530	34,021	66,276	8,017	8,810	57,457
	2015	67,720	34,033	35,068	66,685	7,979	8,438	58,239
	2016	63,175	34,096	30,173	67,098	7,951	8,859	58,230
T.F.Yug.Rep. Macedonia	2013	6,094	2,491	62	8,522	4,106	1,722	6,801
	2014	5,374	3,073	113	8,334	4,011	1,604	6,729
	2015	5,646	2,656	143	8,159	3,924	1,524	6,635
	2016	5,630	2,191	160	7,660	3,681	1,467	6,193
Ukraine	2013	194,377	39	9,929	184,487	4,089	46,956	137,531
	2014	182,815	89	8,523	174,381	3,885	40,594	128,387
	2015	163,682	2,241	3,591	162,332	3,635	37,509	118,989
	2016	164,573	77	3,830	160,820	3,619	37,127	117,440
United Kingdom	2013	358,290	17,532	3,101	372,721	5,766	56,299	316,358
	2014	338,100	23,244	2,723	358,621	5,516	55,684	302,938
	2015	338,924	22,716	1,778	359,862	5,503	56,309	303,556
	2016	339,399	19,699	2,153	356,945	5,426	53,042	303,903
Oceania	2013	303,359	..	..	303,359	7,900	44,915	258,354
	2014	302,431	..	..	302,431	7,761	45,244	257,378
	2015	307,226	..	..	307,226	7,770	45,818	260,997
	2016	311,776	..	..	311,776	7,772	50,056	261,435
American Samoa	2013	*156	..	..	*156	*2,829	21	136
	2014	157	..	..	157	2,831	22	135
	2015	169	..	..	169	3,050	*20	*149
	2016	*170	..	..	*170	*3,052	*20	*150
Australia	2013	249,369	..	..	249,369	10,772	38,982	210,180
	2014	247,451	..	..	247,451	10,541	39,395	208,055
	2015	251,415	..	..	251,415	10,564	39,930	211,487
	2016	256,563	..	..	256,563	10,634	44,713	211,851
Cook Islands	2013	*33	..	..	*33	*1,829	0	33
	2014	*32	..	..	*32	*1,808	0	32
	2015	*29	..	..	*29	*1,685	0	29
	2016	*33	..	..	*33	*1,910	0	33
Fiji	2013	858	..	..	858	975	*77	780
	2014	859	..	..	859	970	*93	783
	2015	914	..	..	914	1,025	83	826
	2016	934	..	..	934	1,039	*88	842
French Polynesia	2013	*645	..	..	*645	*2,358	*47	*598
	2014	*630	..	..	*630	*2,287	*45	*585
	2015	*628	..	..	*628	*2,260	*44	*584
	2016	*639	..	..	*639	*2,279	*45	*582
Guam	2013	1,736	..	..	1,736	10,827	187	1,550
	2014	*1,718	..	..	*1,718	*10,674	*170	1,533
	2015	*1,702	..	..	*1,702	*10,519	*162	1,540
	2016	*1,720	..	..	*1,720	*10,558	146	1,574

Table 33

Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

Country or area	Year	Production	Imports	Exports	Supply		Consumption	
					Total	Per capita	EIOU+losses	TFC
Kiribati	2013	25	..	..	25	232	6	19
	2014	*26	..	..	*26	*231	5	*20
	2015	*28	..	..	*28	*245	*5	*20
	2016	*31	..	..	*31	*273	*6	*25
Marshall Islands	2013	84	..	..	84	1,584	*11	73
	2014	*86	..	..	*86	*1,626	*11	*75
	2015	*87	..	..	*87	*1,632	*11	*75
	2016	*88	..	..	*88	*1,649	*11	*76
Micronesia (Fed. States of)	2013	*67	..	..	*67	*646	*16	*52
	2014	69	..	..	69	660	*17	*51
	2015	67	..	..	67	639	*21	46
	2016	*68	..	..	*68	*646	*22	*46
Nauru	2013	*24	..	..	*24	*2,252	*2	*22
	2014	*25	..	..	*25	*2,267	*2	*23
	2015	*25	..	..	*25	*2,229	*2	*23
	2016	*25	..	..	*25	*2,245	*2	*23
New Caledonia	2013	2,505	..	..	2,505	9,565	68	2,437
	2014	3,011	..	..	3,011	11,340	58	2,953
	2015	2,903	..	..	2,903	10,788	61	2,842
	2016	3,130	..	..	3,130	11,478	90	3,040
New Zealand	2013	43,041	..	..	43,041	9,528	4,885	38,274
	2014	43,316	..	..	43,316	9,485	4,755	38,755
	2015	44,040	..	..	44,040	9,544	4,878	38,761
	2016	43,033	..	..	43,033	9,233	4,307	38,460
Niue	2013	3	..	..	3	2,065	0	3
	2014	3	..	..	3	1,997	0	3
	2015	3	..	..	3	2,082	0	3
	2016	*3	..	..	*3	*2,094	0	*3
Northern Mariana Islands	2013	*415	..	..	*415	*7,676	*92	*322
	2014	*419	..	..	*419	*7,691	*93	*326
	2015	*430	..	..	*430	*7,841	*96	*334
	2016	*387	..	..	*387	*7,030	*86	*301
Palau	2013	*87	..	..	*87	*4,178	*20	*65
	2014	*90	..	..	*90	*4,248	*20	*67
	2015	*90	..	..	*90	*4,218	*20	*67
	2016	*95	..	..	*95	*4,409	*21	*71
Papua New Guinea	2013	3,964	..	..	3,964	522	454	3,513
	2014	4,176	..	..	4,176	538	512	3,664
	2015	4,324	..	..	4,324	546	442	3,882
	2016	4,445	..	..	4,445	550	454	3,991
Samoa	2013	113	..	..	113	591	*20	93
	2014	125	..	..	125	650	*18	107
	2015	131	..	..	131	678	*15	116
	2016	149	..	..	149	766	*15	134
Solomon Islands	2013	89	..	..	89	158	*12	*77
	2014	94	..	..	94	163	*12	*82
	2015	97	..	..	97	165	*14	*83
	2016	104	..	..	104	173	*14	*90
Tonga	2013	53	..	..	53	506	7	*46
	2014	55	..	..	55	516	7	*48
	2015	55	..	..	55	521	6	*49
	2016	60	..	..	60	560	7	*53

Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

Country or area	Year	Production	Imports	Exports	Supply		Consumption	
					Total	Per capita	EIOU+losses	TFC
Tuvalu	2013	*5	..	..	*5	*471	0	*5
	2014	*5	..	..	*5	*468	0	*5
	2015	*7	..	..	*7	*645	0	*7
	2016	*8	..	..	*8	*730	0	*8
Vanuatu	2013	*68	..	..	*68	*267	5	62
	2014	*67	..	..	*67	*257	5	61
	2015	*64	..	..	*64	*240	*5	58
	2016	*71	..	..	*71	*262	*6	65
Wallis and Futuna Is.	2013	19	..	..	19	1,501	3	*15
	2014	19	..	..	19	1,510	3	*16
	2015	18	..	..	18	1,520	3	*16
	2016	20	..	..	20	1,690	4	*16