

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 84: World electricity generation by region, 1990-2022

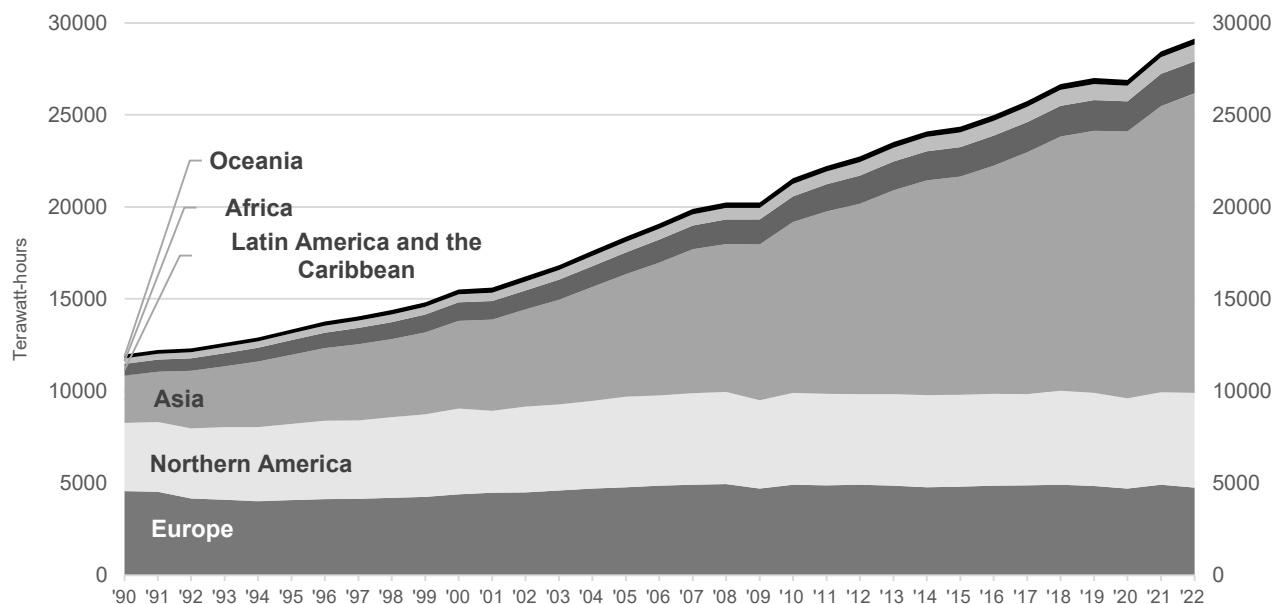


Figure 85: Major electricity producing countries, 2022

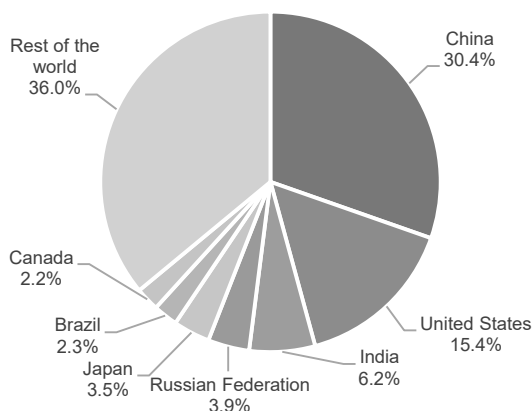


Figure 86: Major electricity consuming countries, 2022

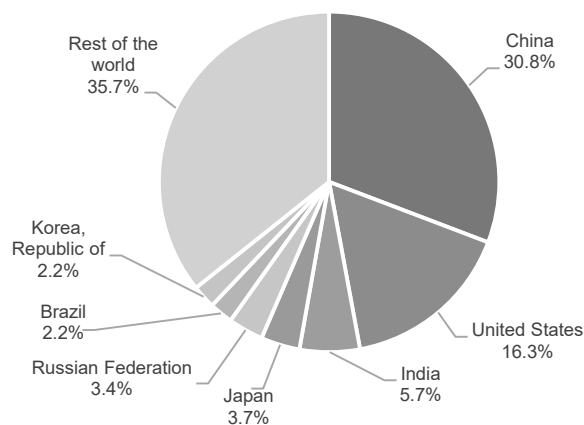


Table 34

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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
World	2019	26,993,822	752,525	730,234	27,016,113	3,459	4,446,565	22,646,529
	2020	26,900,048	782,333	752,767	26,929,613	3,415	4,359,036	22,612,830
	2021	28,445,024	814,302	778,844	28,480,481	3,581	4,572,435	23,846,157
	2022	29,146,341	821,051	831,289	29,136,102	3,633	4,548,887	24,547,496
Africa	2019	863,430	35,788	37,842	861,376	640	178,055	695,054
	2020	851,704	38,973	38,690	851,987	618	179,587	685,367
	2021	890,542	38,565	40,000	889,107	630	184,640	706,782
	2022	912,310	42,724	40,908	914,125	633	187,441	733,476
Algeria	2019	81,531	531	673	81,389	1,880	19,200	62,184
	2020	79,155	513	574	79,094	1,796	20,197	58,898
	2021	85,391	379	1,529	84,241	1,882	20,798	63,442
	2022	91,231	181	2,753	88,659	1,950	21,153	67,506
Angola	2019	14,247	64	..	14,311	442	2,129	*12,182
	2020	14,488	60	..	14,547	435	*2,258	*12,289
	2021	14,741	59	..	14,799	429	*2,214	*12,585
	2022	15,983	31	..	16,014	449	*2,196	*13,818
Benin	2019	529	974	2	1,501	118	363	1,256
	2020	989	574	2	1,561	119	346	1,205
	2021	1,127	694	2	1,819	136	394	1,409
	2022	1,002	834	2	1,834	133	385	1,480
Botswana	2019	3,277	1,101	86	4,292	1,840	1,085	3,778
	2020	2,182	2,087	42	4,227	1,787	947	3,861
	2021	2,409	1,662	2	4,069	1,695	870	3,762
	2022	2,550	1,798	15	4,333	1,776	943	3,947
Burkina Faso	2019	*1,576	1,087	..	*2,663	*127	117	2,474
	2020	*1,442	1,486	..	2,928	136	*315	*2,556
	2021	1,672	1,381	..	3,053	139	*323	*2,668
	2022	*1,532	1,492	..	*3,024	*134	*329	*2,695
Burundi	2019	269	*100	..	369	30	*71	*298
	2020	276	*89	..	365	29	*71	*294
	2021	262	*101	..	363	28	*69	*295
	2022	305	*100	..	405	30	*74	*331
Cabo Verde	2019	512	..	..	512	996	122	*389
	2020	454	..	..	454	882	122	*331
	2021	475	..	..	475	919	124	*350
	2022	544	..	..	544	1,046	126	*417
Cameroon	2019	8,483	53	..	8,537	335	2,111	6,488
	2020	8,650	58	..	8,708	332	2,153	6,616
	2021	9,484	65	..	9,549	355	2,361	7,254
	2022	9,974	57	..	10,031	363	2,483	7,628
Central African Rep.	2019	142	..	..	142	29	*21	93
	2020	141	..	..	141	28	*21	99
	2021	141	..	..	141	28	*21	99
	2022	142	..	..	142	28	*22	*100
Chad	2019	317	..	..	317	19	*67	*249
	2020	336	..	..	336	20	*74	*259
	2021	336	..	..	336	19	*76	*256
	2022	*336	..	..	*336	*18	*71	*262
Comoros	2019	*108	..	..	*108	*138	*27	*81
	2020	*130	..	..	*130	*162	*33	*98
	2021	*136	..	..	*136	*166	*34	*102
	2022	*139	..	..	*139	*167	*36	*103

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	2019	3,655	23	44	3,634	647	2,032	1,577
	2020	3,840	18	16	3,843	668	2,146	1,539
	2021	4,103	26	49	4,080	692	2,281	1,565
	2022	5,013	23	31	5,005	829	2,796	1,912
Côte d'Ivoire	2019	10,697	77	1,255	9,518	338	1,813	7,297
	2020	11,274	152	1,333	10,093	349	1,985	8,143
	2021	11,579	199	889	10,889	367	2,036	9,016
	2022	12,460	214	971	11,704	385	2,049	9,611
Dem. Rep. of the Congo	2019	11,491	1,005	69	12,428	134	1,057	11,563
	2020	12,460	1,189	50	13,599	142	1,152	*12,166
	2021	13,135	1,189	50	14,274	144	2,072	*12,166
	2022	13,200	1,164	50	14,314	140	1,372	*12,942
Djibouti	2019	126	480	..	606	556	*104	*502
	2020	102	526	..	628	568	*111	*517
	2021	196	528	..	724	645	*116	*608
	2022	*199	609	..	808	710	*154	*654
Egypt	2019	194,279	74	360	193,993	1,804	38,009	156,340
	2020	197,201	95	885	196,411	1,797	39,036	157,435
	2021	204,637	176	1,643	203,169	1,831	37,994	158,046
	2022	214,050	95	1,589	212,556	1,887	*40,201	172,355
Equatorial Guinea	2019	*1,912	..	..	*1,912	*1,145	*195	*1,717
	2020	*2,038	..	..	*2,038	*1,187	*206	*1,832
	2021	*1,770	..	..	*1,770	*1,006	*206	*1,564
	2022	*1,750	..	..	*1,750	*970	*213	*1,537
Eritrea	2019	362	..	..	362	112	63	297
	2020	372	..	..	372	113	65	306
	2021	383	..	..	383	114	67	315
	2022	400	..	..	400	117	70	329
Eswatini	2019	585	942	..	1,527	1,294	193	1,343
	2020	543	1,044	..	1,587	1,331	240	1,406
	2021	652	914	..	1,567	1,299	156	1,532
	2022	653	902	..	1,555	1,276	176	1,361
Ethiopia	2019	15,068	..	1,145	13,922	120	3,289	10,933
	2020	15,823	..	1,637	14,186	119	3,138	11,016
	2021	15,503	..	1,665	13,838	113	3,649	10,231
	2022	17,338	..	1,750	15,588	124	4,061	11,208
Gabon	2019	2,859	..	..	2,859	1,261	653	2,263
	2020	3,053	..	..	3,053	1,314	670	2,274
	2021	3,034	..	..	3,034	1,276	677	2,323
	2022	3,300	..	..	3,300	1,357	780	2,398
Gambia	2019	462	..	..	462	188	*116	*347
	2020	485	..	..	485	193	*160	*325
	2021	516	..	..	516	201	*178	*338
	2022	592	..	..	592	225	*208	*384
Ghana	2019	18,368	127	1,430	17,065	546	1,364	15,232
	2020	20,170	58	1,801	18,427	578	1,286	16,531
	2021	22,051	44	1,734	20,360	626	2,293	18,067
	2022	23,163	37	2,215	20,986	633	3,470	17,516
Guinea	2019	2,020	..	..	2,020	155	*338	*1,682
	2020	2,420	2,420	181	*368	*2,051
	2021	3,036	3,036	221	*501	*2,535
	2022	3,263	3,263	232	*508	*2,755

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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
Guinea-Bissau	2019	*108	..	..	*108	*55	*13	*95
	2020	*184	..	..	*184	*91	*21	*163
	2021	*202	..	..	*202	*98	*22	*180
	2022	*196	..	..	*196	*93	22	*174
Kenya	2019	11,621	212	16	11,816	231	2,836	8,854
	2020	11,604	137	17	11,724	225	2,911	8,955
	2021	12,377	288	18	12,646	238	2,926	9,734
	2022	12,962	316	0	13,278	245	3,269	10,008
Lesotho	2019	393	542	1	934	423	130	791
	2020	427	442	1	868	388	88	673
	2021	533	427	1	958	424	103	689
	2022	482	508	1	989	432	134	854
Liberia	2019	*418	*20	..	*438	*87	*154	*284
	2020	*446	*20	..	*466	*91	*162	*304
	2021	478	20	..	498	95	*181	*317
	2022	468	25	..	493	92	*175	*318
Libya	2019	34,629	776	..	35,405	5,093	7,787	27,618
	2020	29,499	1,259	..	30,758	4,366	6,785	23,973
	2021	34,786	784	..	35,570	4,985	7,885	27,684
	2022	35,106	719	..	35,826	4,959	7,973	27,852
Madagascar	2019	2,178	..	..	2,178	77	*178	*1,999
	2020	2,167	..	..	2,167	75	*170	*1,997
	2021	2,245	..	..	2,245	76	*165	*2,080
	2022	2,274	..	..	2,274	75	*166	*2,108
Malawi	2019	1,937	..	20	1,917	101	*341	1,696
	2020	2,191	10	20	2,181	112	385	1,817
	2021	2,401	17	20	2,398	120	664	1,795
	2022	2,115	19	15	2,119	103	650	1,716
Mali	2019	3,535	604	560	3,579	170	*476	3,103
	2020	3,728	766	615	3,880	179	*519	3,361
	2021	*3,969	402	533	*3,839	*171	*538	3,301
	2022	*4,209	489	899	*3,798	*165	*567	3,231
Mauritania	2019	1,477	204	..	1,681	376	*312	1,369
	2020	*1,461	*225	..	*1,686	*366	*296	1,390
	2021	*1,364	*200	..	*1,564	*330	*244	1,320
	2022	1,510	394	..	1,904	390	*221	1,682
Mauritius	2019	3,237	..	..	3,237	2,516	227	3,001
	2020	2,883	..	..	2,883	2,246	189	2,683
	2021	2,992	..	..	2,992	2,338	244	2,748
	2022	3,119	..	..	3,119	2,444	232	2,887
Morocco	2019	41,650	526	1,453	40,723	1,125	7,272	33,451
	2020	40,057	856	624	40,289	1,101	7,386	32,903
	2021	42,562	688	851	42,399	1,147	7,860	34,539
	2022	42,723	1,868	471	44,119	1,182	8,101	36,018
Mozambique	2019	18,981	8,276	10,771	16,487	552	3,131	12,836
	2020	19,026	8,100	11,511	15,616	507	3,126	12,339
	2021	18,863	8,133	11,189	15,807	499	3,248	12,484
	2022	19,559	8,259	11,450	16,367	501	3,709	12,538
Namibia	2019	1,402	3,161	119	4,444	1,677	*410	*4,040
	2020	2,012	2,785	593	4,204	1,541	*443	*3,759
	2021	1,467	2,825	382	3,910	1,391	*387	*3,521
	2022	1,180	2,917	169	3,928	1,359	*522	3,235

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
Niger	2019	626	1,057	..	1,683	73	443	1,239
	2020	635	1,108	..	1,742	73	502	1,297
	2021	*658	1,122	..	1,780	73	*411	1,368
	2022	*669	1,164	..	1,832	72	*436	1,396
Nigeria	2019	33,110	..	2,327	30,783	147	6,160	27,162
	2020	35,059	..	2,433	32,626	152	6,505	27,627
	2021	36,038	..	2,433	33,604	154	6,629	28,335
	2022	37,916	..	2,317	35,599	160	6,527	32,245
Rwanda	2019	798	99	6	892	70	170	*722
	2020	838	28	6	860	66	*167	693
	2021	976	31	9	998	75	*201	788
	2022	1,101	32	9	1,124	82	*213	926
Sao Tome and Principe	2019	110	..	..	110	513	*41	*69
	2020	*110	..	..	*110	*508	41	*70
	2021	*106	..	..	*106	*478	41	*65
	2022	*110	..	..	*110	*487	32	*78
Senegal	2019	*4,491	324	..	*4,814	*294	854	3,960
	2020	5,804	356	..	6,160	367	978	4,585
	2021	6,380	315	..	6,695	389	1,067	5,400
	2022	7,550	486	..	8,035	455	1,030	6,789
Seychelles	2019	540	..	..	540	4,590	61	479
	2020	535	..	..	535	4,446	53	482
	2021	536	..	..	536	4,356	*53	483
	2022	550	..	..	550	4,386	*54	*497
Sierra Leone	2019	378	..	..	378	49	*104	*274
	2020	422	..	..	422	53	*117	*305
	2021	467	..	..	467	58	*129	*338
	2022	495	..	..	495	60	*153	*342
Somalia	2019	522	..	..	522	33	*53	*469
	2020	520	..	..	520	31	*56	*464
	2021	534	..	..	534	31	*59	*475
	2022	*560	..	..	*560	*31	*63	*497
South Africa	2019	252,644	9,804	14,977	247,471	4,153	58,099	198,947
	2020	239,521	9,829	13,647	235,703	3,892	57,260	191,107
	2021	244,381	10,137	13,705	240,813	3,915	55,366	193,072
	2022	234,850	10,761	12,270	233,341	3,741	51,661	186,258
South Sudan	2019	557	..	..	557	53	38	521
	2020	558	..	..	558	52	38	507
	2021	566	..	..	566	52	38	524
	2022	538	..	..	538	49	36	514
St. Helena and Depend.	2019	12	..	..	12	2,182	*2	10
	2020	11	..	..	11	2,065	*2	10
	2021	11	..	..	11	1,993	1	9
	2022	10	..	..	10	1,962	2	9
Sudan	2019	16,814	*207	..	17,021	374	*3,794	*12,639
	2020	17,642	1,318	..	18,961	405	3,367	*15,593
	2021	*16,781	993	..	*17,774	*370	*3,896	*13,877
	2022	16,771	882	..	17,653	357	4,392	*13,261
Togo	2019	718	837	118	1,437	170	117	1,328
	2020	699	815	..	1,514	175	113	1,378
	2021	618	1,071	..	1,689	190	267	1,419
	2022	821	1,126	..	1,946	214	215	1,727

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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
Tunisia	2019	22,014	472	631	21,855	1,840	4,503	17,313
	2020	21,449	369	969	20,850	1,741	4,618	16,269
	2021	21,890	1,331	302	22,920	1,902	5,412	17,446
	2022	21,422	2,726	154	23,995	1,980	5,438	18,478
Uganda	2019	4,364	104	299	4,169	97	826	3,233
	2020	4,447	21	222	4,246	95	811	3,269
	2021	4,769	24	393	4,400	96	1,089	3,581
	2022	5,502	*22	*309	5,215	110	*1,272	*3,943
United Rep. of Tanzania	2019	7,775	113	..	7,888	133	1,277	6,583
	2020	7,834	114	..	7,948	130	1,305	6,506
	2021	8,650	129	..	8,779	140	1,393	7,207
	2022	9,626	152	..	9,778	151	2,018	7,648
Zambia	2019	15,115	198	976	14,338	774	*1,997	12,341
	2020	15,237	130	1,340	14,028	736	*2,525	11,504
	2021	17,718	18	2,152	15,584	795	*2,753	12,831
	2022	19,783	18	3,073	16,728	830	*2,950	13,778
Zimbabwe	2019	8,402	1,612	504	9,510	623	1,714	8,061
	2020	6,673	2,337	355	8,655	557	1,552	7,336
	2021	8,454	2,194	450	10,199	646	1,854	8,645
	2022	9,016	2,304	395	10,925	680	1,332	9,219
Asia	2019	14,241,164	131,115	99,141	14,273,137	3,068	2,334,056	12,041,433
	2020	14,492,608	148,467	113,094	14,527,981	3,099	2,357,820	12,193,029
	2021	15,552,174	160,573	115,364	15,597,383	3,306	2,490,971	13,102,970
	2022	16,255,971	136,040	129,316	16,262,694	3,425	2,507,107	13,690,300
Afghanistan	2019	1,626	4,912	..	6,538	173	*759	*5,777
	2020	1,371	5,152	..	6,523	167	*759	*5,760
	2021	*1,409	*5,100	..	*6,509	*163	*760	*5,749
	2022	*1,414	*5,200	..	*6,614	*163	*764	*5,850
Armenia	2019	7,680	293	1,251	6,721	2,314	882	5,839
	2020	7,839	320	1,333	6,826	2,361	935	5,890
	2021	7,879	368	995	7,252	2,527	910	6,343
	2022	9,190	124	1,571	7,743	2,688	1,018	6,725
Azerbaijan	2019	26,073	137	1,491	24,719	2,445	6,024	18,666
	2020	25,839	137	1,151	24,825	2,438	5,783	19,019
	2021	27,889	152	1,673	26,367	2,576	5,954	20,386
	2022	29,041	137	2,997	26,181	2,543	5,901	20,259
Bahrain	2019	34,445	727	652	34,520	23,235	2,227	30,310
	2020	34,769	681	954	34,496	23,260	2,999	31,752
	2021	35,444	522	388	35,579	23,691	2,455	33,842
	2022	36,954	449	584	36,818	24,010	2,789	34,444
Bangladesh	2019	85,046	6,786	..	91,832	557	14,311	79,198
	2020	85,500	6,674	..	92,174	554	14,480	79,881
	2021	90,847	8,103	..	98,950	590	4,722	87,831
	2022	94,886	7,712	..	102,598	606	4,760	92,838
Bhutan	2019	8,858	96	6,147	2,808	3,672	256	2,279
	2020	11,371	82	9,260	2,193	2,849	241	1,961
	2021	11,371	98	8,076	3,393	4,376	267	2,455
	2022	10,961	204	7,240	3,924	5,026	298	2,467
Brunei Darussalam	2019	4,933	..	..	4,933	11,143	1,028	3,906
	2020	5,736	..	..	5,736	12,820	972	4,732
	2021	5,700	..	..	5,700	12,618	1,017	4,797
	2022	5,602	..	..	5,602	12,303	979	4,553

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
Cambodia	2019	8,995	3,063	..	12,058	732	1,360	10,191
	2020	9,092	3,820	..	12,912	772	1,524	11,304
	2021	10,208	3,385	..	13,593	801	1,675	11,816
	2022	10,643	4,799	..	15,442	898	1,897	13,424
China	2019	7,503,458	4,860	21,650	7,486,668	5,259	1,187,949	6,298,689
	2020	7,779,060	4,750	21,790	7,762,020	5,443	1,194,448	6,567,566
	2021	8,534,273	5,940	20,180	8,520,033	5,973	1,266,148	7,253,888
	2022	8,848,707	7,138	20,088	8,835,757	6,200	1,284,057	7,551,705
China, Hong Kong SAR	2019	36,911	12,381	..	49,292	6,585	4,373	44,919
	2020	35,189	12,699	..	47,888	6,393	3,687	44,201
	2021	37,071	12,555	..	49,626	6,630	3,812	45,813
	2022	36,186	12,348	..	48,534	6,501	3,674	44,861
China, Macao SAR	2019	830	4,976	..	5,806	8,653	257	5,550
	2020	562	4,853	..	5,415	7,928	223	5,192
	2021	496	5,192	..	5,688	8,191	234	5,454
	2022	609	4,874	..	5,483	7,785	230	5,252
Cyprus	2019	5,141	..	..	5,141	3,996	419	4,724
	2020	4,849	..	..	4,849	3,724	446	4,377
	2021	5,119	..	..	5,119	3,886	469	4,650
	2022	5,268	..	..	5,268	3,957	393	4,859
Georgia	2019	11,857	1,763	380	13,240	3,487	1,181	12,059
	2020	11,160	1,712	256	12,616	3,324	1,137	11,479
	2021	12,645	3,190	1,575	14,260	3,764	1,142	13,119
	2022	14,247	4,693	4,131	14,809	3,902	1,423	13,386
India	2019	1,576,740	6,351	9,491	1,573,600	1,133	381,279	1,291,493
	2020	*1,533,307	*9,318	*9,426	*1,533,199	*1,093	*380,951	*1,182,189
	2021	*1,610,082	*9,548	*9,574	*1,610,056	*1,138	*425,226	*1,206,619
	2022	1,816,815	7,843	10,253	1,814,405	1,273	426,499	1,403,400
Indonesia	2019	281,248	..	..	281,248	1,032	37,751	258,092
	2020	276,504	..	..	276,504	1,006	38,021	250,204
	2021	289,471	..	..	289,471	1,046	36,722	258,511
	2022	344,244	..	..	344,244	1,235	50,886	294,156
Iran (Islamic Rep. of)	2019	326,672	1,342	8,206	319,807	3,674	50,462	274,079
	2020	342,427	2,674	9,470	335,631	3,826	53,611	287,361
	2021	355,912	3,019	5,723	353,207	3,993	49,867	303,467
	2022	367,669	3,019	5,723	364,965	4,077	51,336	314,929
Iraq	2019	87,370	34,396	..	121,766	2,956	*82,653	*42,087
	2020	85,433	38,814	..	124,247	2,950	*78,509	44,499
	2021	86,164	41,464	..	127,628	2,963	71,439	52,325
	2022	115,530	6,089	..	121,619	2,760	*65,335	56,284
Israel	2019	72,351	..	6,311	66,040	7,628	6,083	59,889
	2020	72,285	..	6,243	66,042	7,504	6,433	60,049
	2021	73,796	..	6,523	67,273	7,523	6,659	60,706
	2022	75,964	..	7,016	68,948	7,574	6,746	63,601
Japan	2019	1,038,532	..	..	1,038,532	8,197	111,056	927,139
	2020	1,016,901	..	..	1,016,901	8,051	112,149	913,432
	2021	1,049,662	..	..	1,049,662	8,352	118,088	923,730
	2022	1,018,606	..	..	1,018,606	8,149	109,690	906,725
Jordan	2019	20,995	239	98	21,137	1,981	2,739	17,910
	2020	20,952	632	190	21,394	1,969	2,784	18,570
	2021	21,289	395	173	21,511	1,944	2,801	18,916
	2022	22,065	263	192	22,136	1,967	*2,670	19,330

Table 34

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
Kazakhstan	2019	106,878	1,935	2,419	106,394	5,539	24,884	71,955
	2020	110,890	1,569	2,323	110,136	5,653	26,216	70,122
	2021	115,078	2,071	2,639	114,510	5,800	27,652	86,869
	2022	113,461	3,694	2,243	114,911	5,736	31,723	83,162
Korea, Dem.Ppl's.Rep.	2019	23,853	28	33	23,847	916	6,029	17,818
	2020	24,053	9	7	24,055	920	6,081	17,975
	2021	25,565	0	413	25,153	959	6,397	18,755
	2022	26,465	0	517	25,948	986	6,608	19,340
Korea, Republic of	2019	568,414	..	..	568,414	10,980	59,775	523,815
	2020	574,095	..	..	574,095	11,070	59,291	512,695
	2021	609,460	..	..	609,460	11,755	70,880	535,962
	2022	613,888	..	..	613,888	11,855	71,886	541,727
Kuwait	2019	75,203	451	580	75,074	16,900	31,468	43,605
	2020	74,956	451	135	75,272	17,107	31,718	43,554
	2021	80,757	325	338	80,744	18,516	33,564	47,180
	2022	83,529	130	172	83,487	18,191	34,577	48,910
Kyrgyzstan	2019	15,100	269	271	15,098	2,325	2,742	12,356
	2020	15,404	352	302	15,454	2,319	3,266	12,188
	2021	14,815	1,683	548	15,950	2,339	3,036	12,914
	2022	13,883	2,806	550	16,139	2,320	3,006	13,133
Lao People's Dem. Rep.	2019	31,133	1,345	*22,460	10,018	1,384	*3,424	6,596
	2020	*39,971	*1,331	*29,933	*11,369	*1,548	*3,202	*8,144
	2021	*44,931	*1,358	*33,678	*12,611	*1,692	*2,926	*9,688
	2022	51,031	873	*38,465	13,439	1,778	2,388	11,068
Lebanon	2019	23,869	3	..	23,871	4,120	*2,321	21,637
	2020	19,772	2	..	19,774	3,468	2,123	17,650
	2021	15,879	1	..	15,880	2,777	*1,635	*14,245
	2022	*11,419	..	..	*11,419	*1,988	*1,208	*10,211
Malaysia	2019	178,440	41	1,699	176,782	5,286	18,449	158,709
	2020	174,224	18	1,572	172,671	5,095	18,020	152,131
	2021	180,070	35	977	179,128	5,225	18,623	155,400
	2022	187,398	31	1,416	186,013	5,361	19,382	164,228
Maldives	2019	830	..	..	830	1,702	*71	*759
	2020	745	..	..	745	1,484	*70	*675
	2021	1,195	..	..	1,195	2,316	*100	*1,096
	2022	1,227	..	..	1,227	2,341	*106	*1,121
Mongolia	2019	6,900	1,723	24	8,599	2,660	1,752	6,847
	2020	6,970	1,685	42	8,613	2,617	1,796	6,817
	2021	7,825	1,823	24	9,624	2,882	1,906	7,755
	2022	8,035	2,107	25	10,117	2,988	2,022	8,095
Myanmar	2019	23,778	122	1,281	22,619	430	3,939	18,681
	2020	23,643	129	1,637	22,135	418	4,447	19,196
	2021	22,075	140	852	21,363	400	4,802	17,273
	2022	21,539	203	1,678	20,063	373	4,414	17,125
Nepal	2019	6,134	1,729	107	7,756	273	1,216	6,536
	2020	6,189	2,806	38	8,957	309	1,538	7,415
	2021	9,668	1,543	494	10,717	364	1,709	8,935
	2022	10,583	1,833	1,346	11,070	373	1,731	9,100
Oman	2019	37,550	..	..	37,550	8,179	3,754	33,796
	2020	38,449	..	..	38,449	8,502	5,332	33,169
	2021	41,122	..	..	41,122	9,137	5,461	35,661
	2022	41,374	..	..	41,374	8,747	4,847	36,527

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
Other Asia	2019	274,179	..	..	274,179	11,581	28,559	246,145
	2020	279,974	..	..	279,974	11,831	28,788	251,933
	2021	290,936	..	..	290,936	12,350	27,642	264,540
	2022	288,154	..	..	288,154	12,304	28,603	260,464
Pakistan	2019	134,818	499	..	135,317	586	21,642	113,546
	2020	144,049	514	..	144,563	615	29,876	114,687
	2021	144,435	498	..	144,933	605	*26,235	118,698
	2022	127,875	504	..	128,379	527	22,434	106,340
Philippines	2019	106,057	..	..	106,057	957	18,868	87,118
	2020	101,773	..	..	101,773	908	18,530	83,243
	2021	106,131	..	..	106,131	938	18,714	88,636
	2022	111,533	..	..	111,533	979	20,201	91,333
Qatar	2019	49,873	..	..	49,873	17,825	6,212	43,660
	2020	49,259	..	..	49,259	17,571	6,208	43,089
	2021	51,641	..	..	51,641	18,345	6,237	45,404
	2022	54,623	..	..	54,623	18,885	6,419	48,199
Saudi Arabia	2019	367,816	337	33	368,120	12,080	65,363	288,570
	2020	367,498	464	832	367,130	11,846	67,636	289,304
	2021	379,045	308	352	379,001	12,098	*70,700	301,562
	2022	437,654	308	352	437,610	13,601	71,228	320,854
Singapore	2019	54,552	..	..	54,552	9,622	2,172	51,730
	2020	53,582	..	..	53,582	9,534	2,299	50,780
	2021	56,524	..	..	56,524	10,191	2,559	53,483
	2022	58,349	..	..	58,349	10,327	2,795	54,885
Sri Lanka	2019	16,630	..	..	16,630	742	1,876	14,818
	2020	15,801	..	..	15,801	700	2,254	14,656
	2021	17,363	..	..	17,363	765	2,319	15,629
	2022	16,680	..	..	16,680	730	2,141	14,962
State of Palestine	2019	811	6,249	..	7,060	1,424	847	6,213
	2020	840	6,519	..	7,359	1,452	883	6,476
	2021	917	6,678	..	7,595	1,465	911	6,683
	2022	1,021	7,212	..	8,233	1,552	988	7,245
Syrian Arab Republic	2019	22,300	..	347	21,953	1,079	7,242	16,040
	2020	21,000	..	317	20,683	983	6,822	15,112
	2021	21,677	..	346	21,330	986	7,038	15,585
	2022	20,062	..	361	19,701	877	6,505	14,395
Tajikistan	2019	20,676	281	3,175	17,782	1,866	2,642	14,167
	2020	19,734	379	1,870	18,243	1,871	2,860	14,965
	2021	20,624	883	3,307	18,200	1,826	4,371	13,777
	2022	21,399	797	3,341	18,855	1,852	4,142	14,596
Thailand	2019	191,576	25,547	2,882	214,241	2,995	17,113	193,176
	2020	189,645	29,551	2,611	216,585	3,023	17,016	196,706
	2021	*187,758	33,358	1,969	*219,147	*3,055	19,936	199,212
	2022	199,382	35,473	2,060	232,795	3,245	16,428	217,038
Timor-Leste	2019	518	..	..	518	398	*134	384
	2020	505	..	..	505	381	*136	370
	2021	510	..	..	510	378	*131	380
	2022	*522	..	..	*522	*381	*133	*390
Türkiye	2019	303,898	2,212	2,789	303,320	3,554	50,113	253,207
	2020	306,703	1,890	2,484	306,109	3,556	47,384	258,725
	2021	334,723	2,334	4,186	332,871	3,840	50,284	282,587
	2022	328,379	6,439	3,713	331,105	3,803	48,825	282,280

Table 34

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
Turkmenistan	2019	22,500	..	1,731	20,769	3,053	7,366	13,404
	2020	25,763	..	4,444	21,319	3,067	7,560	13,758
	2021	28,400	..	6,479	21,921	3,091	7,774	14,147
	2022	32,600	..	9,000	23,600	3,264	8,370	15,230
United Arab Emirates	2019	*138,454	245	257	*138,442	*14,763	*18,513	119,941
	2020	*137,310	206	235	*137,282	*14,529	*19,087	118,223
	2021	149,053	868	657	149,263	15,248	20,025	129,028
	2022	156,120	504	613	156,011	15,232	21,514	134,606
Uzbekistan	2019	63,021	3,379	2,067	64,334	1,952	4,891	54,175
	2020	66,516	5,207	2,687	69,037	2,056	12,232	51,951
	2021	71,414	6,232	2,644	75,002	2,190	14,623	55,632
	2022	74,268	4,977	2,703	76,542	2,191	6,881	56,622
Viet Nam	2019	*232,602	2,401	1,311	*233,692	*2,405	26,643	207,049
	2020	240,543	3,067	1,555	242,055	2,468	24,251	215,743
	2021	253,498	1,403	582	254,320	2,571	31,740	223,529
	2022	276,372	3,257	965	278,664	2,796	33,559	225,448
Yemen	2019	3,041	..	..	3,041	87	987	2,182
	2020	2,606	..	..	2,606	72	807	2,159
	2021	2,359	..	..	2,359	64	676	2,308
	2022	2,544	..	..	2,544	67	697	2,620
Europe	2019	4,847,797	468,316	469,447	4,846,666	6,448	901,891	3,932,717
	2020	4,695,775	473,548	476,753	4,692,570	6,242	870,438	3,808,820
	2021	4,904,913	511,306	514,530	4,901,689	6,528	878,896	4,000,024
	2022	4,757,241	530,872	543,789	4,744,324	6,333	874,634	3,872,915
Albania	2019	5,206	3,177	770	7,612	2,638	1,429	6,183
	2020	5,313	3,239	963	7,589	2,642	1,273	6,316
	2021	8,963	2,252	2,800	8,415	2,953	1,749	6,666
	2022	7,003	3,044	2,123	7,924	2,802	1,336	6,587
Andorra	2019	118	465	0	583	7,617	71	490
	2020	153	375	0	529	6,833	60	447
	2021	109	426	0	535	6,827	65	448
	2022	100	461	0	561	7,045	67	472
Austria	2019	74,234	26,047	22,918	77,363	8,711	13,818	63,512
	2020	72,558	24,522	22,327	74,754	8,379	13,184	61,532
	2021	70,757	26,436	18,893	78,300	8,732	13,800	64,453
	2022	69,228	28,595	19,890	77,933	8,597	14,043	63,866
Belarus	2019	40,465	3,059	5,398	38,126	4,041	7,196	30,930
	2020	38,548	4,277	4,777	38,048	4,069	7,192	30,856
	2021	41,240	4,300	4,600	40,940	4,425	7,932	33,008
	2022	39,400	4,000	4,700	38,700	4,219	7,509	31,192
Belgium	2019	93,646	12,734	14,589	91,791	7,988	10,313	81,705
	2020	89,455	13,722	14,055	89,122	7,723	9,880	78,883
	2021	100,465	15,194	23,070	92,589	8,002	10,383	81,362
	2022	95,944	16,350	23,877	88,417	7,595	10,443	76,557
Bosnia and Herzegovina	2019	17,493	2,825	6,565	13,753	4,111	2,760	10,993
	2020	16,874	3,266	7,317	12,823	3,887	2,887	9,936
	2021	18,536	3,259	8,014	13,781	4,247	2,952	10,830
	2022	16,384	3,828	6,856	13,356	4,167	2,738	10,618
Bulgaria	2019	44,277	3,045	8,855	38,466	5,515	8,853	30,215
	2020	40,754	3,707	7,115	37,346	5,386	8,062	28,610
	2021	47,568	1,857	10,635	38,790	5,640	8,209	30,970
	2022	50,499	1,470	13,665	38,305	5,612	8,408	30,719

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
Croatia	2019	12,760	11,401	5,268	18,893	4,740	2,738	16,155
	2020	13,385	10,491	5,852	18,025	4,559	2,809	15,215
	2021	15,210	11,505	7,544	19,171	4,885	2,676	16,495
	2022	14,221	11,920	7,225	18,915	4,841	2,671	16,245
Czechia	2019	87,035	11,026	24,123	73,939	7,005	14,340	58,416
	2020	81,525	13,368	23,521	71,372	6,765	13,709	57,100
	2021	85,016	15,153	26,228	73,940	7,021	13,072	59,983
	2022	84,848	16,726	30,255	71,319	6,682	12,602	58,632
Denmark	2019	29,517	15,982	10,171	35,328	6,076	4,122	30,750
	2020	28,729	18,594	11,711	35,611	6,107	4,458	30,240
	2021	33,051	20,120	15,251	37,920	6,474	4,494	32,107
	2022	35,129	18,752	17,390	36,492	6,182	4,535	30,604
Estonia	2019	7,616	4,861	2,704	9,773	7,365	1,985	7,317
	2020	6,078	7,367	3,723	9,722	7,312	1,497	7,180
	2021	7,204	7,332	4,703	9,833	7,384	1,985	7,884
	2022	8,937	7,183	6,172	9,948	7,368	2,807	7,142
Faeroe Islands	2019	386	..	..	386	7,447	*36	350
	2020	407	..	..	407	7,736	36	371
	2021	424	..	..	424	7,952	36	388
	2022	434	..	..	434	8,036	39	395
Finland	2019	68,650	23,938	3,896	88,692	16,062	6,989	81,310
	2020	69,268	21,774	6,670	84,372	15,258	7,062	76,898
	2021	72,121	24,492	6,724	89,889	16,222	7,197	82,094
	2022	72,221	19,397	6,880	84,738	15,215	7,244	76,867
France	2019	570,775	15,632	73,299	513,108	7,551	77,104	431,705
	2020	532,255	19,536	64,575	487,216	7,150	73,612	411,359
	2021	555,082	24,334	69,227	510,190	7,467	77,160	433,072
	2022	474,744	52,437	37,493	489,689	7,146	73,630	414,700
Germany	2019	606,917	40,126	72,793	574,250	6,872	77,735	496,515
	2020	575,462	47,853	66,882	556,433	6,654	74,205	482,227
	2021	592,799	51,731	70,306	574,224	6,861	74,485	499,738
	2022	580,266	49,331	76,587	553,010	6,577	75,264	477,745
Gibraltar	2019	220	..	..	220	6,193	11	209
	2020	215	..	..	215	5,933	11	204
	2021	223	..	..	223	6,053	11	212
	2022	211	..	..	211	5,606	11	200
Greece	2019	48,626	11,067	1,123	58,570	5,464	8,373	50,197
	2020	48,252	9,831	967	57,116	5,338	9,587	47,529
	2021	54,744	7,581	3,897	58,428	5,523	8,695	49,242
	2022	52,670	7,751	4,304	56,117	5,389	8,357	48,128
Guernsey	2019	165	204	..	369	5,870	22	348
	2020	23	347	..	370	5,860	*32	338
	2021	27	355	..	382	6,032	*19	*364
	2022	29	337	..	366	5,751	*21	*346
Hungary	2019	34,291	19,853	7,269	46,875	4,798	6,607	40,222
	2020	34,930	19,176	7,499	46,607	4,780	6,300	40,046
	2021	36,120	19,967	7,213	48,874	5,035	6,113	41,716
	2022	35,775	21,589	9,437	47,927	4,949	5,844	41,346
Iceland	2019	19,489	..	..	19,489	54,031	1,075	18,227
	2020	19,127	..	..	19,127	52,173	1,069	17,869
	2021	19,614	..	..	19,614	52,635	1,112	18,345
	2022	20,120	..	..	20,120	52,899	1,121	18,873

Table 34

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
Ireland	2019	30,956	2,180	1,535	31,600	6,405	3,575	28,431
	2020	32,267	1,761	1,913	32,115	6,445	3,743	28,653
	2021	31,862	2,451	863	33,449	6,652	3,883	30,017
	2022	33,856	1,582	1,330	34,108	6,675	3,773	30,768
Isle of Man	2019	581	*23	192	412	4,907	*46	366
	2020	552	*24	168	408	4,847	62	352
	2021	360	*151	103	408	4,856	*62	342
	2022	577	50	194	433	5,149	*60	363
Italy	2019	293,853	43,975	5,834	331,994	5,518	40,061	291,933
	2020	280,531	39,790	7,590	312,731	5,217	37,531	275,200
	2021	289,074	46,572	3,782	331,863	5,553	39,663	292,200
	2022	283,961	47,391	4,404	326,948	5,481	39,947	286,988
Jersey	2019	44	630	..	675	6,559	40	632
	2020	43	610	..	653	6,334	39	613
	2021	33	641	..	675	6,529	44	633
	2022	41	606	..	647	6,254	38	607
Kosovo	2019	6,348	928	905	6,372	3,631	1,643	4,714
	2020	6,713	966	1,283	6,395	3,651	1,497	4,894
	2021	6,892	3,336	2,649	7,579	4,352	1,670	5,802
	2022	6,998	3,687	3,139	7,546	4,393	1,492	5,713
Latvia	2019	6,438	4,611	3,493	7,556	3,947	918	6,637
	2020	5,725	4,173	2,548	7,350	3,866	826	6,524
	2021	5,846	4,666	2,894	7,619	4,041	879	6,739
	2022	4,997	5,308	2,997	7,309	3,885	846	6,462
Liechtenstein	2019	103	307	..	410	10,666	0	410
	2020	104	299	..	402	10,377	0	402
	2021	107	311	..	418	10,696	0	418
	2022	103	309	..	412	10,484	0	412
Lithuania	2019	3,972	13,268	3,924	13,315	4,764	2,771	10,541
	2020	5,518	12,013	4,105	13,426	4,802	3,068	10,355
	2021	5,079	12,479	3,435	14,122	5,054	2,965	11,154
	2022	4,783	12,934	4,366	13,350	4,739	2,685	10,663
Luxembourg	2019	1,908	6,818	939	7,787	12,557	1,390	6,397
	2020	2,234	6,543	1,079	7,699	12,209	1,579	6,120
	2021	2,211	6,758	1,037	7,932	12,389	1,540	6,393
	2022	2,238	7,146	1,639	7,745	11,855	1,585	6,143
Malta	2019	2,060	657	20	2,696	5,349	222	2,474
	2020	2,143	420	4	2,559	4,938	196	2,363
	2021	2,215	547	36	2,726	5,199	224	2,502
	2022	2,293	646	7	2,933	5,552	239	2,694
Montenegro	2019	3,423	1,196	943	3,676	6,009	622	3,054
	2020	3,386	5,943	5,864	3,465	5,699	628	2,837
	2021	3,781	5,318	5,489	3,610	5,979	633	2,978
	2022	3,322	5,352	5,487	3,188	5,186	583	2,604
Netherlands (Kingd. of the)	2019	121,411	20,403	19,548	122,266	6,972	14,336	107,640
	2020	123,279	19,773	22,433	120,620	6,839	13,126	106,351
	2021	122,093	20,885	20,632	122,346	6,900	13,790	106,756
	2022	121,810	18,544	22,811	117,544	6,565	13,821	103,786
North Macedonia	2019	5,870	6,882	5,054	7,698	4,056	1,457	6,241
	2020	5,347	6,734	4,408	7,674	4,099	1,449	6,225
	2021	5,532	7,407	4,930	8,009	4,327	1,445	6,564
	2022	5,933	7,074	5,662	7,346	3,992	1,456	5,890

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
Norway	2019	134,907	12,353	12,309	134,951	25,235	17,889	116,207
	2020	155,196	4,496	24,968	134,724	25,045	17,604	116,190
	2021	157,922	8,235	25,819	140,338	25,950	17,102	122,226
	2022	146,731	13,271	25,792	134,210	24,595	18,438	115,056
Poland	2019	163,989	17,868	7,245	174,611	4,568	34,200	140,411
	2020	158,043	20,624	7,357	171,310	4,488	33,988	137,321
	2021	179,631	15,100	14,212	180,519	4,745	36,830	143,687
	2022	179,748	15,238	16,915	178,071	4,639	36,599	141,471
Portugal	2019	53,154	8,099	4,700	56,553	5,468	8,674	47,880
	2020	53,078	7,553	6,097	54,535	5,259	8,214	46,254
	2021	50,980	9,544	4,791	55,733	5,364	8,338	47,321
	2022	48,808	12,315	3,061	58,061	5,574	9,397	48,664
Republic of Moldova	2019	941	3,501	..	4,442	1,427	629	3,813
	2020	983	3,418	..	4,401	1,434	594	3,807
	2021	1,131	3,607	..	4,738	1,567	610	4,128
	2022	995	3,751	94	4,652	1,530	611	4,041
Romania	2019	59,623	5,493	3,975	61,141	3,135	15,545	45,573
	2020	55,935	8,252	5,459	58,727	3,028	14,668	44,024
	2021	59,470	8,697	6,499	61,669	3,204	15,041	46,048
	2022	56,003	8,653	7,429	57,226	2,986	13,635	42,730
Russian Federation	2019	1,121,492	1,618	20,049	1,103,061	7,528	344,218	755,636
	2020	1,089,668	1,378	12,116	1,078,930	7,371	328,580	747,462
	2021	1,159,417	1,564	22,903	1,138,078	7,804	326,999	807,621
	2022	1,151,156	1,574	17,970	1,134,760	7,795	330,188	822,819
Serbia	2019	37,600	5,417	5,341	37,676	5,408	9,682	27,994
	2020	37,956	5,070	5,675	37,351	5,407	9,471	27,881
	2021	38,236	6,984	6,333	38,886	5,689	9,687	29,200
	2022	35,510	8,447	5,696	38,261	5,634	9,281	28,981
Slovakia	2019	28,434	13,538	11,838	30,134	5,529	4,907	25,192
	2020	28,838	13,289	12,970	29,157	5,345	5,323	23,813
	2021	30,016	13,884	13,110	30,790	5,657	5,220	25,549
	2022	26,838	16,743	15,331	28,250	5,162	5,358	22,870
Slovenia	2019	16,100	9,021	9,340	15,781	7,574	2,102	13,679
	2020	17,191	7,120	9,123	15,188	7,224	2,236	12,951
	2021	15,877	8,387	8,658	15,607	7,384	2,148	13,459
	2022	13,616	10,198	8,752	15,061	7,120	2,021	13,041
Spain	2019	273,257	18,721	11,859	280,119	5,905	44,912	234,529
	2020	263,373	17,928	14,649	266,653	5,593	46,550	219,655
	2021	274,312	17,411	16,559	275,164	5,764	47,200	227,880
	2022	292,454	8,032	27,833	272,652	5,701	47,985	224,366
Sweden	2019	168,439	9,070	35,231	142,278	13,841	16,230	124,542
	2020	163,833	11,827	36,824	138,836	13,409	14,040	122,985
	2021	171,798	8,341	33,909	146,230	14,039	16,913	127,531
	2022	173,159	6,181	39,400	139,940	13,344	15,994	122,769
Switzerland	2019	73,478	29,505	35,765	67,218	7,837	10,021	57,197
	2020	71,654	26,988	32,548	66,094	7,649	10,380	55,714
	2021	66,042	31,532	29,119	68,455	7,862	10,341	58,114
	2022	65,666	33,117	29,734	69,049	7,853	12,019	57,031
Ukraine	2019	154,141	2,238	6,283	150,096	3,339	32,919	116,689
	2020	148,408	2,720	5,139	145,989	3,267	31,655	113,510
	2021	157,915	1,458	3,497	155,875	3,519	29,196	118,680
	2022	113,394	4,101	6,100	111,395	2,714	23,942	80,487

Table 34

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
United Kingdom	2019	323,391	24,556	3,385	344,562	5,134	47,305	298,156
	2020	310,467	22,391	4,481	328,377	4,876	46,468	283,208
	2021	307,810	28,743	4,166	332,387	4,912	44,329	286,709
	2022	324,085	15,451	20,793	318,742	4,675	43,954	274,261
Latin America & Carib.	2019	1,674,659	44,921	43,385	1,676,195	2,614	302,640	1,349,927
	2020	1,625,477	50,111	42,674	1,632,914	2,529	294,343	1,362,086
	2021	1,754,627	37,674	34,701	1,757,600	2,706	315,113	1,405,337
	2022	1,744,220	40,328	36,113	1,748,436	2,676	320,749	1,436,324
Anguilla	2019	100	..	..	100	6,721	11	*88
	2020	90	..	..	90	6,094	10	*80
	2021	98	..	..	98	6,771	*12	*86
	2022	106	..	..	106	7,461	*20	*86
Antigua and Barbuda	2019	358	..	..	358	3,923	54	*305
	2020	347	..	..	347	3,776	46	307
	2021	351	..	..	351	3,799	*47	*304
	2022	*368	..	..	*368	*3,964	*53	*315
Argentina	2019	145,990	10,946	261	156,675	3,484	24,995	125,619
	2020	144,924	7,802	3,089	149,637	3,311	25,399	124,522
	2021	153,779	6,348	3,850	156,277	3,449	27,121	129,064
	2022	146,315	12,906	31	159,190	3,506	35,587	124,413
Aruba	2019	*973	..	..	*973	*9,088	*158	809
	2020	*912	..	..	*912	*8,487	*155	743
	2021	*955	..	..	*955	*8,883	*155	783
	2022	*964	..	..	*964	*8,942	*156	793
Bahamas	2019	1,897	..	..	1,897	4,806	*282	1,615
	2020	1,798	..	..	1,798	4,543	275	1,523
	2021	1,968	..	..	1,968	4,965	*369	1,599
	2022	2,175	..	..	2,175	5,472	*468	1,708
Barbados	2019	1,083	..	..	1,083	3,851	139	944
	2020	1,016	..	..	1,016	3,607	122	894
	2021	1,025	..	..	1,025	3,632	120	903
	2022	1,068	..	..	1,068	3,782	130	939
Belize	2019	364	384	..	748	1,938	96	608
	2020	433	270	..	703	1,800	94	557
	2021	365	380	..	745	1,885	95	579
	2022	466	323	..	789	1,960	105	622
Bolivia (Plur. State of)	2019	10,259	..	..	10,259	879	1,284	8,680
	2020	9,978	..	..	9,978	844	1,341	8,365
	2021	10,879	..	..	10,879	911	1,454	9,011
	2022	11,408	..	..	11,408	945	1,652	9,505
Bonaire, St Eustatius, Saba	2019	145	..	..	145	5,655	*34	*110
	2020	145	..	..	145	5,485	*34	*111
	2021	156	..	..	156	5,717	*35	*121
	2022	*163	..	..	*163	*5,687	*38	*125
Brazil	2019	626,329	25,156	199	651,286	3,139	138,411	512,874
	2020	621,198	25,113	395	645,916	3,096	137,369	508,548
	2021	656,109	23,147	44	679,212	3,241	146,627	532,585
	2022	677,372	17,887	4,979	690,280	3,282	139,139	550,942
British Virgin Islands	2019	201	..	..	201	5,522	35	166
	2020	*205	..	..	*205	*5,507	*36	*168
	2021	*209	..	..	*209	*5,519	*37	*172
	2022	*212	..	..	*212	*5,542	*38	*175

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
Cayman Islands	2019	696	..	..	696	10,332	6	689
	2020	668	..	..	668	9,721	3	665
	2021	678	..	..	678	9,677	2	677
	2022	698	..	..	698	9,748	7	691
Chile	2019	84,558	..	..	84,558	4,405	6,775	74,097
	2020	83,994	..	..	83,994	4,336	6,277	74,514
	2021	88,019	..	..	88,019	4,524	6,775	76,320
	2022	91,019	..	..	91,019	4,655	7,586	79,357
Colombia	2019	80,415	312	0	80,727	1,618	14,645	67,488
	2020	79,550	1,302	251	80,600	1,592	14,935	65,907
	2021	86,872	479	364	86,987	1,699	18,991	68,826
	2022	87,056	159	465	86,750	1,677	15,136	70,198
Costa Rica	2019	11,508	340	323	11,525	2,305	1,301	10,190
	2020	11,730	118	624	11,224	2,229	1,318	9,905
	2021	12,737	6	1,009	11,734	2,319	1,285	10,363
	2022	12,583	54	774	11,864	2,335	1,300	10,430
Cuba	2019	20,706	449	..	21,155	1,888	5,372	15,691
	2020	19,071	1,402	..	20,473	1,832	5,425	14,972
	2021	17,966	1,385	..	19,350	1,740	5,483	13,739
	2022	15,874	2,591	..	18,465	1,670	5,160	13,226
Curaçao	2019	879	..	..	879	4,639	114	765
	2020	839	..	..	839	4,536	109	730
	2021	846	..	..	846	4,566	110	736
	2022	867	..	..	867	4,677	112	754
Dominica	2019	138	..	..	138	2,037	*13	*126
	2020	142	..	..	142	2,103	*13	*129
	2021	146	..	..	146	2,177	*12	*134
	2022	147	..	..	147	2,202	*13	*134
Dominican Republic	2019	21,200	..	..	21,200	1,946	3,497	16,816
	2020	19,495	..	..	19,495	1,771	3,216	16,746
	2021	21,397	..	..	21,397	1,924	2,958	18,764
	2022	21,420	..	..	21,420	1,907	2,720	19,312
Ecuador	2019	32,284	6	1,827	30,463	1,757	4,659	25,816
	2020	31,248	251	1,341	30,158	1,719	4,737	25,418
	2021	32,214	364	524	32,054	1,813	4,915	26,976
	2022	33,008	466	192	33,282	1,867	5,289	27,797
El Salvador	2019	5,921	1,450	158	7,213	1,159	1,031	6,343
	2020	6,219	774	131	6,861	1,101	990	5,988
	2021	6,361	1,316	34	7,644	1,222	1,302	6,571
	2022	7,584	706	338	7,952	1,266	1,042	7,162
Falkland Is. (Malvinas)	2019	18	..	..	18	5,108	*1	*17
	2020	18	..	..	18	5,214	*1	*17
	2021	19	..	..	19	5,333	*1	*17
	2022	*19	..	..	*19	*5,509	*1	*18
Grenada	2019	245	..	..	245	2,115	22	223
	2020	227	..	..	227	1,953	23	204
	2021	229	..	..	229	1,964	22	207
	2022	238	..	..	238	2,033	24	214
Guatemala	2019	13,563	1,141	2,190	12,514	732	1,853	10,660
	2020	12,013	1,085	1,156	11,942	688	1,560	10,381
	2021	13,061	1,141	1,116	13,086	744	1,712	11,760
	2022	12,852	1,481	1,104	13,229	741	1,978	11,252

Table 34

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
Guyana	2019	1,135	..	..	1,135	1,405	269	869
	2020	1,136	..	..	1,136	1,407	255	881
	2021	1,143	..	..	1,143	1,402	255	883
	2022	*1,152	..	..	*1,152	*1,402	*255	*892
Haiti	2019	1,064	..	..	1,064	96	178	918
	2020	1,029	..	..	1,029	92	172	*856
	2021	1,033	..	..	1,033	91	173	890
	2022	1,012	..	..	1,012	88	170	878
Honduras	2019	10,586	260	6	10,839	1,090	3,210	7,639
	2020	10,059	292	0	10,351	1,023	3,596	6,766
	2021	10,957	204	3	11,159	1,084	3,418	7,757
	2022	11,149	195	5	11,340	1,084	3,596	7,605
Jamaica	2019	4,465	..	..	4,465	1,581	1,189	3,409
	2020	4,939	..	..	4,939	1,745	1,244	3,873
	2021	4,705	..	..	4,705	1,658	1,275	3,646
	2022	5,243	..	..	5,243	1,847	1,273	3,380
Mexico	2019	344,839	3,907	3,084	345,662	2,749	50,618	280,076
	2020	317,680	9,965	5,955	321,690	2,537	46,213	299,959
	2021	381,364	1,737	2,693	380,408	2,980	50,549	295,041
	2022	343,847	2,147	2,421	343,573	2,671	56,789	299,995
Montserrat	2019	14	..	..	14	3,190	2	12
	2020	14	..	..	14	3,121	1	12
	2021	14	..	..	14	3,017	1	11
	2022	14	..	..	14	3,035	1	11
Nicaragua	2019	4,576	434	0	5,010	773	1,568	3,769
	2020	3,791	1,071	0	4,862	741	1,464	3,653
	2021	4,213	1,005	0	5,219	785	1,582	3,879
	2022	4,369	1,062	..	5,432	807	1,364	3,903
Panama	2019	13,667	77	427	13,317	3,145	2,238	12,345
	2020	13,394	117	567	12,944	3,015	2,018	12,896
	2021	14,289	63	502	13,851	3,187	1,789	14,402
	2022	14,166	235	392	14,009	3,183	983	14,874
Paraguay	2019	49,448	..	31,748	17,700	2,717	4,860	12,840
	2020	46,373	..	28,005	18,368	2,781	4,649	13,719
	2021	40,576	..	21,719	18,857	2,821	5,151	13,706
	2022	43,881	..	23,995	19,886	2,941	5,493	14,433
Peru	2019	57,038	60	..	57,099	1,760	7,267	49,831
	2020	52,803	37	..	52,841	1,609	7,194	45,647
	2021	56,833	43	..	56,876	1,715	7,295	49,490
	2022	59,772	32	..	59,804	1,787	7,585	52,146
Puerto Rico	2019	18,886	..	..	18,886	5,744	*1,803	16,077
	2020	18,774	..	..	18,774	5,731	*1,759	16,035
	2021	19,184	..	..	19,184	5,897	*1,846	16,269
	2022	18,325	..	..	18,325	5,654	*1,749	15,683
Saint Barthélemy	2019	116	..	..	116	11,258	*8	*108
	2020	121	..	..	121	11,490	*8	*113
	2021	133	..	..	133	12,360	*9	*124
	2022	140	..	..	140	12,843	*9	*131
Saint Martin (French Part)	2019	168	..	..	168	4,900	*11	*157
	2020	173	..	..	173	5,449	*12	*161
	2021	178	..	..	178	5,951	*12	*166
	2022	182	..	..	182	6,318	*12	*170

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
Sint Maarten (Dutch part)	2019	*296	..	..	*296	*7,322	*9	*274
	2020	265	..	..	265	6,450	*8	*257
	2021	*286	..	..	*286	*6,873	*9	*277
	2022	*291	..	..	*291	*6,915	*10	*281
St. Kitts-Nevis	2019	250	..	..	250	5,331	*43	*207
	2020	234	..	..	234	4,997	*44	*191
	2021	228	..	..	228	4,885	*44	*185
	2022	235	..	..	235	5,039	*44	*191
St. Lucia	2019	408	..	..	408	2,299	39	369
	2020	372	..	..	372	2,088	36	336
	2021	391	..	..	391	2,190	38	353
	2022	409	..	..	409	2,290	36	374
St. Vincent-Grenadines	2019	154	..	..	154	1,478	15	138
	2020	152	..	..	152	1,471	14	140
	2021	145	..	..	145	1,409	15	138
	2022	*154	..	..	*154	*1,504	*15	*145
Suriname	2019	1,868	..	..	1,868	3,084	439	1,430
	2020	1,730	..	..	1,730	2,825	376	1,354
	2021	1,594	..	..	1,594	2,579	285	1,309
	2022	2,097	..	..	2,097	3,365	297	1,800
Trinidad and Tobago	2019	9,188	..	..	9,188	6,188	759	8,429
	2020	9,225	..	..	9,225	6,229	759	8,463
	2021	9,262	..	..	9,262	6,225	759	8,497
	2022	9,577	..	..	9,577	6,402	922	8,656
Turks and Caicos Islands	2019	*261	..	..	*261	*6,050	*20	*241
	2020	*256	..	..	*256	*5,778	*20	*237
	2021	*267	..	..	*267	*5,894	*23	*244
	2022	*265	..	..	*265	*5,791	*20	*246
United States Virgin Is.	2019	637	..	..	637	7,126	*57	*579
	2020	666	..	..	666	7,598	*60	*606
	2021	710	..	..	710	8,136	*66	*644
	2022	692	..	..	692	8,001	*67	*626
Uruguay	2019	16,090	0	3,011	13,079	3,850	1,876	11,321
	2020	13,557	515	1,148	12,924	3,802	1,685	11,347
	2021	15,953	55	2,844	13,165	3,876	1,752	11,529
	2022	14,759	84	1,416	13,427	3,960	1,788	11,749
Venezuela (Bolivar. Rep.)	2019	79,676	0	152	79,524	2,748	21,373	58,152
	2020	82,471	0	14	82,458	2,899	*19,268	63,189
	2021	84,730	0	0	84,730	3,001	*19,129	*65,601
	2022	88,504	0	0	88,504	3,137	20,519	67,987
Northern America	2019	5,045,070	72,385	80,419	5,037,036	13,407	676,164	4,359,728
	2020	4,912,714	71,233	81,556	4,902,391	12,978	602,421	4,296,843
	2021	5,020,580	66,183	74,248	5,012,514	13,235	647,769	4,364,817
	2022	5,147,943	71,086	81,163	5,137,866	13,504	602,357	4,543,689
Bermuda	2019	613	..	..	613	9,564	*57	554
	2020	*590	..	..	*590	*9,164	*72	518
	2021	*595	..	..	*595	*9,197	*72	523
	2022	*601	..	..	*601	*9,274	*74	*527
Canada	2019	652,113	13,333	60,411	605,035	16,013	75,225	528,841
	2020	651,463	9,784	67,421	593,826	15,557	72,752	518,135
	2021	644,689	13,016	60,393	597,312	15,533	71,887	525,684
	2022	651,311	14,116	65,405	600,022	15,456	71,881	536,509

Table 34

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
Greenland	2019	531	..	..	531	9,467	*26	331
	2020	566	..	..	566	10,101	*27	351
	2021	569	..	..	569	10,157	*29	353
	2022	614	..	..	614	10,966	*28	*398
St. Pierre-Miquelon	2019	52	..	..	52	8,871	3	*49
	2020	51	..	..	51	8,788	3	*49
	2021	51	..	..	51	8,774	2	*49
	2022	50	..	..	50	8,673	2	*48
United States	2019	4,391,761	59,052	20,008	4,430,805	13,117	600,853	3,829,952
	2020	4,260,044	61,449	14,135	4,307,358	12,690	529,568	3,777,790
	2021	4,374,676	53,167	13,855	4,413,988	12,976	575,779	3,838,209
	2022	4,495,368	56,970	15,758	4,536,580	13,283	530,372	4,006,208
Oceania	2019	321,702	..	..	321,702	7,395	53,759	267,670
	2020	321,769	..	..	321,769	7,300	54,427	266,685
	2021	322,188	..	..	322,188	7,231	55,045	266,228
	2022	328,657	..	..	328,657	7,296	56,599	270,792
American Samoa	2019	178	..	..	178	3,536	22	*155
	2020	180	..	..	180	3,626	23	*157
	2021	183	..	..	183	3,720	24	*160
	2022	183	..	..	183	3,787	20	*159
Australia	2019	264,025	..	..	264,025	10,361	47,507	216,518
	2020	265,178	..	..	265,178	10,301	48,521	216,657
	2021	265,554	..	..	265,554	10,231	49,178	216,376
	2022	271,532	..	..	271,532	10,363	50,691	220,841
Cook Islands	2019	39	..	..	39	2,425	*2	*37
	2020	34	..	..	34	2,178	*2	*32
	2021	34	..	..	34	2,217	*2	*32
	2022	38	..	..	38	2,548	2	*36
Fiji	2019	1,074	..	..	1,074	1,174	*124	950
	2020	989	..	..	989	1,081	*115	874
	2021	949	..	..	949	1,035	*120	829
	2022	1,093	..	..	1,093	1,189	*132	961
French Polynesia	2019	695	..	..	695	2,492	38	652
	2020	668	..	..	668	2,392	39	623
	2021	672	..	..	672	2,401	39	633
	2022	680	..	..	680	2,427	37	643
Guam	2019	1,724	..	..	1,724	10,652	155	1,568
	2020	1,683	..	..	1,683	10,378	160	1,523
	2021	*1,712	..	..	*1,712	*10,455	157	1,555
	2022	*1,703	..	..	*1,703	*10,307	152	*1,550
Kiribati	2019	38	..	..	38	303	6	*32
	2020	*37	..	..	*37	*296	4	*33
	2021	*38	..	..	*38	*294	6	*32
	2022	*38	..	..	*38	*293	*5	*33
Marshall Islands	2019	*90	..	..	*90	*2,045	12	*78
	2020	*90	..	..	*90	*2,107	*13	*77
	2021	*82	..	..	*82	*1,985	*13	*69
	2022	*92	..	..	*92	*2,296	*13	*79
Micronesia (Fed. States of)	2019	*77	..	..	*77	*695	*24	*53
	2020	*85	..	..	*85	*765	*25	*60
	2021	*90	..	..	*90	*806	25	*65
	2022	*91	..	..	*91	*815	*24	*67

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
Nauru	2019	36	..	..	36	3,118	6	30
	2020	38	..	..	38	3,271	*7	30
	2021	*42	..	..	*42	*3,613	*6	*36
	2022	*44	..	..	*44	*3,712	*7	*37
New Caledonia	2019	3,334	..	..	3,334	11,754	61	3,273
	2020	3,233	..	..	3,233	11,376	67	3,166
	2021	2,910	..	..	2,910	10,202	66	2,844
	2022	3,148	..	..	3,148	10,965	56	3,092
New Zealand	2019	45,148	..	..	45,148	9,049	5,282	39,595
	2020	44,531	..	..	44,531	8,783	4,968	38,778
	2021	44,611	..	..	44,611	8,734	4,918	38,892
	2022	44,691	..	..	44,691	8,709	4,970	38,558
Niue	2019	*4	..	..	*4	*2,164	*1	*3
	2020	*4	..	..	*4	*2,157	0	*3
	2021	*4	..	..	*4	*2,140	0	*3
	2022	*4	..	..	*4	*2,186	0	*4
Northern Mariana Islands	2019	*392	..	..	*392	*8,145	*86	*306
	2020	*293	..	..	*293	*6,165	*63	*230
	2021	*305	..	..	*305	*6,492	*66	*239
	2022	*308	..	..	*308	*6,684	*63	*245
Palau	2019	95	..	..	95	5,310	*10	*85
	2020	*96	..	..	*96	*5,396	*10	*86
	2021	97	..	..	97	5,455	*10	*87
	2022	*97	..	..	*97	*5,462	*10	*87
Papua New Guinea	2019	*4,299	..	..	*4,299	*447	373	3,930
	2020	*4,169	..	..	*4,169	*425	361	3,944
	2021	*4,446	..	..	*4,446	*444	361	3,972
	2022	*4,447	..	..	*4,447	*436	*361	*3,986
Samoa	2019	169	..	..	169	807	18	152
	2020	172	..	..	172	814	16	157
	2021	171	..	..	171	798	19	152
	2022	172	..	..	172	798	19	154
Solomon Islands	2019	107	..	..	107	147	*18	*88
	2020	106	..	..	106	143	*18	*88
	2021	106	..	..	106	139	*19	*87
	2022	104	..	..	104	134	*20	*84
Tonga	2019	71	..	..	71	668	8	*63
	2020	73	..	..	73	693	8	*65
	2021	75	..	..	75	710	8	*67
	2022	77	..	..	77	735	8	*70
Tuvalu	2019	9	..	..	9	850	2	7
	2020	*10	..	..	*10	*916	*1	9
	2021	*10	..	..	*10	*945	*3	*7
	2022	*10	..	..	*10	*981	*3	*7
Vanuatu	2019	80	..	..	80	276	6	75
	2020	76	..	..	76	253	5	69
	2021	75	..	..	75	244	4	68
	2022	79	..	..	79	251	4	76
Wallis and Futuna Is.	2019	*21	..	..	*21	*1,776	*1	*20
	2020	*23	..	..	*23	*2,016	*2	*22
	2021	*24	..	..	*24	*2,089	*2	*22
	2022	*26	..	..	*26	*2,277	*2	*24