

### Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

#### Table Notes

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

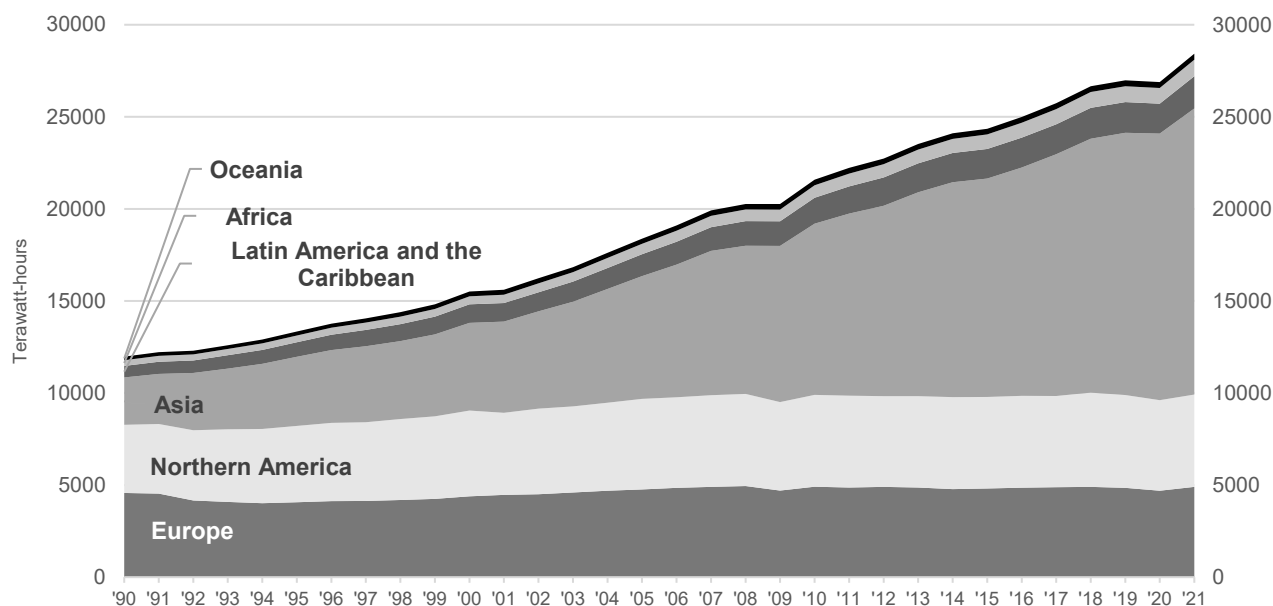
**EIOU and losses** refers to energy industries own use of electricity, including for pumped storage, and losses.

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

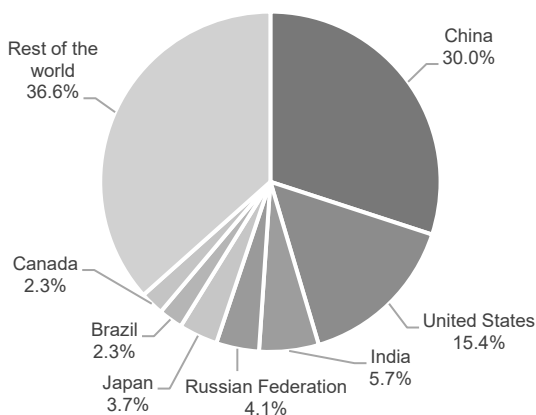
Figures may not add up due to statistical differences, or for some countries quantities transformed into heat in heat pumps and/or electric boilers

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, 1990-2021**



**Figure 85: Major electricity producing countries, 2021**



**Figure 86: Major electricity consuming countries, 2021**

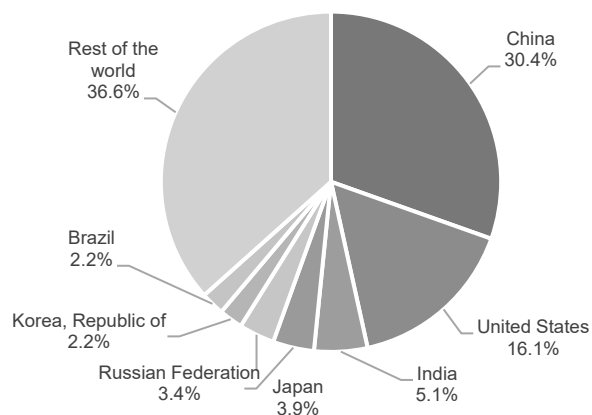


Table 34

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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
<b>World</b>	<b>2018</b>	<b>26,661,706</b>	<b>736,949</b>	<b>723,355</b>	<b>26,675,300</b>	<b>3,472</b>	<b>4,367,591</b>	<b>22,286,522</b>
	<b>2019</b>	<b>26,985,732</b>	<b>746,824</b>	<b>724,083</b>	<b>27,008,473</b>	<b>3,478</b>	<b>4,441,663</b>	<b>22,610,661</b>
	<b>2020</b>	<b>26,888,335</b>	<b>780,404</b>	<b>743,508</b>	<b>26,925,231</b>	<b>3,434</b>	<b>4,355,054</b>	<b>22,586,960</b>
	<b>2021</b>	<b>28,428,472</b>	<b>809,264</b>	<b>772,893</b>	<b>28,464,843</b>	<b>3,599</b>	<b>4,589,102</b>	<b>23,832,187</b>
<b>Africa</b>	<b>2018</b>	<b>854,068</b>	<b>37,735</b>	<b>31,585</b>	<b>860,217</b>	<b>665</b>	<b>173,376</b>	<b>689,678</b>
	<b>2019</b>	<b>861,842</b>	<b>34,573</b>	<b>34,929</b>	<b>861,486</b>	<b>649</b>	<b>178,433</b>	<b>672,161</b>
	<b>2020</b>	<b>850,719</b>	<b>38,606</b>	<b>36,168</b>	<b>853,157</b>	<b>628</b>	<b>179,882</b>	<b>675,618</b>
	<b>2021</b>	<b>901,998</b>	<b>38,524</b>	<b>37,509</b>	<b>903,013</b>	<b>649</b>	<b>204,226</b>	<b>696,122</b>
Algeria	2018	76,662	506	597	76,571	1,826	18,419	58,154
	2019	81,531	531	673	81,389	1,906	19,200	62,184
	2020	79,154	513	574	79,093	1,820	20,196	58,898
	2021	85,391	379	1,529	84,241	1,907	20,798	63,442
Angola	2018	13,513	..	..	13,513	432	1,769	11,743
	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
Benin	2018	202	1,195	..	1,397	117	295	1,183
	2019	529	974	2	1,501	122	363	1,256
	2020	989	574	2	1,561	123	346	1,205
	2021	1,127	694	2	1,819	140	394	1,409
Botswana	2018	3,105	1,189	..	4,294	1,752	785	3,209
	2019	2,508	1,746	..	4,254	1,702	935	3,208
	2020	2,182	1,838	..	4,020	1,579	845	3,288
	2021	2,486	1,662	2	4,146	1,602	942	3,198
Burkina Faso	2018	*1,728	837	..	*2,565	*126	274	2,222
	2019	*1,554	1,087	..	*2,642	*126	96	2,474
	2020	*1,427	*1,486	..	*2,913	*135	*300	*2,556
	2021	*1,659	*1,381	..	*3,040	*138	*310	*2,668
Burundi	2018	246	*100	..	346	30	*70	*276
	2019	269	*100	..	369	31	*73	*296
	2020	276	*89	..	365	30	*71	*294
	2021	262	*101	..	363	29	*67	*296
Cabo Verde	2018	431	..	..	431	754	122	*309
	2019	444	..	..	444	770	121	*323
	2020	420	..	..	420	721	121	*299
	2021	442	..	..	442	752	123	*320
Cameroon	2018	8,590	49	..	8,638	344	2,056	6,570
	2019	8,483	53	..	8,537	331	2,111	6,488
	2020	8,650	58	..	8,708	329	2,153	6,616
	2021	7,940	..	..	7,940	292	1,976	6,073
Central African Rep.	2018	147	..	..	147	29	*10	*137
	2019	149	..	..	149	29	*10	*139
	2020	*146	..	..	*146	*27	*10	*136
	2021	*145	..	..	*145	*26	*11	*135
Chad	2018	312	..	..	312	20	*65	*245
	2019	317	..	..	317	20	*67	*249
	2020	335	..	..	335	20	*73	*259
	2021	335	..	..	335	20	*73	*256
Comoros	2018	*98	..	..	*98	*127	*25	*74
	2019	*108	..	..	*108	*137	*27	*81
	2020	*130	..	..	*130	*161	*33	*98
	2021	*136	..	..	*136	*165	*34	*102

## 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	2018	3,096	28	26	3,098	569	1,730	1,529
	2019	3,655	23	44	3,634	652	2,032	1,554
	2020	3,833	18	16	3,835	673	2,142	1,518
	2021	4,021	22	26	4,017	688	2,244	1,547
Côte d'Ivoire	2018	10,058	102	1,156	9,004	353	2,241	6,926
	2019	10,697	77	1,255	9,518	364	1,813	7,297
	2020	11,274	152	1,333	10,093	376	1,985	8,143
	2021	11,579	199	889	10,889	396	2,036	9,016
Dem. Rep. of the Congo	2018	10,556	829	75	11,310	130	*687	10,711
	2019	11,491	1,005	69	12,428	138	1,057	11,563
	2020	12,460	1,189	50	13,599	146	1,152	*12,166
	2021	13,135	1,189	50	14,274	149	2,072	*12,166
Djibouti	2018	55	526	..	581	550	*112	*469
	2019	92	*514	..	*606	*564	*104	*502
	2020	126	502	..	628	576	*111	*517
	2021	*126	529	..	654	592	*113	*541
Egypt	2018	202,838	81	425	202,494	1,952	*36,658	165,610
	2019	194,279	74	360	193,993	1,837	38,009	156,340
	2020	197,201	95	885	196,411	1,828	39,035	157,435
	2021	222,544	176	1,643	221,076	2,023	55,901	158,046
Equatorial Guinea	2018	1,355	..	..	1,355	902	217	1,170
	2019	*1,912	..	..	*1,912	*1,231	*195	*1,717
	2020	*2,038	..	..	*2,038	*1,277	*206	*1,832
	2021	*1,770	..	..	*1,770	*1,083	*206	*1,564
Eritrea	2018	352	..	..	352	102	61	289
	2019	363	..	..	363	104	63	299
	2020	375	..	..	375	106	65	309
	2021	385	..	..	385	106	67	317
Eswatini	2018	520	1,020	..	1,541	1,328	206	1,323
	2019	585	942	..	1,527	1,305	193	1,343
	2020	541	1,044	..	1,584	1,342	204	1,381
	2021	581	914	..	1,495	1,254	156	1,339
Ethiopia	2018	14,554	..	1,000	13,554	122	3,238	10,558
	2019	15,068	..	1,145	13,922	122	3,289	10,933
	2020	15,829	..	1,637	14,191	121	3,138	11,016
	2021	15,538	..	1,665	13,873	115	3,075	11,199
Gabon	2018	2,295	511	..	2,806	1,280	612	2,194
	2019	2,306	511	..	2,817	1,256	553	2,263
	2020	2,423	511	..	2,933	1,279	660	2,274
	2021	2,344	528	..	2,872	1,227	549	2,323
Gambia	2018	394	..	..	394	161	*97	*297
	2019	462	..	..	462	184	*116	*347
	2020	485	..	..	485	188	*160	*325
	2021	516	..	..	516	196	*178	*338
Ghana	2018	16,425	140	740	15,825	513	1,371	14,401
	2019	18,368	127	1,430	17,065	541	1,364	15,232
	2020	20,170	58	1,801	18,427	573	1,286	16,531
	2021	22,051	44	1,734	20,360	620	2,293	18,067
Guinea	2018	1,884	..	..	1,884	150	*304	*1,580
	2019	2,020	..	..	2,020	157	*337	*1,682
	2020	2,420	..	..	2,420	183	*396	*2,024
	2021	2,995	..	..	2,995	221	*410	*2,585

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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
Guinea-Bissau	2018	*82	..	..	*82	*42	*2	83
	2019	*82	..	..	*82	*42	0	*89
	2020	*82	..	..	*82	*41	0	*84
	2021	*82	..	..	*82	*40	0	*85
Kenya	2018	11,182	130	35	11,277	226	2,531	8,702
	2019	11,621	212	16	11,816	232	2,836	8,854
	2020	11,604	137	17	11,724	226	2,911	8,955
	2021	12,377	288	18	12,646	239	2,926	9,734
Lesotho	2018	517	397	3	911	414	116	807
	2019	393	542	1	934	420	130	791
	2020	427	442	1	868	385	88	673
	2021	532	427	1	958	420	103	689
Liberia	2018	*405	*20	..	*425	*87	*147	*278
	2019	*418	*20	..	*438	*88	*154	*284
	2020	*446	*20	..	*466	*92	*162	*304
	2021	478	20	..	498	96	*181	*317
Libya	2018	34,171	465	..	34,636	5,347	7,736	17,621
	2019	34,629	776	..	35,405	5,390	7,787	17,721
	2020	29,499	1,259	..	30,758	4,622	6,785	17,631
	2021	31,020	784	..	31,804	4,722	7,126	18,044
Madagascar	2018	2,099	..	..	2,099	78	*159	*1,940
	2019	2,178	..	..	2,178	79	*178	*1,999
	2020	2,167	..	..	2,167	77	*170	*1,997
	2021	2,273	..	..	2,273	79	*175	*2,099
Malawi	2018	1,803	..	19	1,783	97	*306	1,477
	2019	1,937	..	20	1,917	102	*341	1,576
	2020	*1,882	..	19	*1,863	*96	*276	1,587
	2021	*1,955	..	*20	*1,935	*97	*285	*1,650
Mali	2018	*3,289	*198	*550	*2,937	*147	*368	*2,568
	2019	3,535	*180	*556	3,159	154	*383	*2,751
	2020	3,728	*172	*569	3,331	157	*432	*2,899
	2021	*3,969	*174	*590	*3,553	*162	*446	3,107
Mauritania	2018	1,281	198	..	1,479	346	*335	1,143
	2019	1,477	204	..	1,681	383	*312	1,369
	2020	*1,461	*225	..	*1,686	*375	*296	1,390
	2021	*1,364	*200	..	*1,564	*339	*244	1,320
Mauritius	2018	3,131	..	..	3,131	2,417	209	2,918
	2019	3,237	..	..	3,237	2,497	227	3,001
	2020	2,883	..	..	2,883	2,221	189	2,683
	2021	2,992	..	..	2,992	2,304	244	2,748
Morocco	2018	35,822	3,724	350	39,196	1,075	6,582	32,614
	2019	41,650	526	1,453	40,723	1,105	7,272	33,451
	2020	40,057	856	624	40,289	1,082	7,386	32,903
	2021	42,562	688	851	42,399	1,126	7,860	34,539
Mozambique	2018	17,140	8,327	9,738	15,729	535	2,991	12,344
	2019	18,981	8,276	10,771	16,487	544	3,131	12,836
	2020	19,026	8,100	11,511	15,616	501	3,126	12,339
	2021	18,863	8,133	11,096	15,900	496	3,248	12,532
Namibia	2018	1,437	3,337	114	4,660	1,937	*482	*4,171
	2019	1,402	3,161	119	4,444	1,816	*410	*4,040
	2020	2,012	2,785	593	4,204	1,689	*443	*3,759
	2021	1,467	2,825	382	3,910	1,545	*387	*3,521

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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
Niger	2018	480	1,253	0	1,733	77	*276	*1,379
	2019	626	1,057	..	1,683	72	425	1,239
	2020	635	1,108	..	1,742	72	502	1,297
	2021	*658	1,122	..	1,780	70	*428	*1,352
Nigeria	2018	33,384	..	..	33,384	168	6,195	26,570
	2019	33,110	..	..	33,110	163	6,160	27,162
	2020	35,059	..	..	35,059	168	6,505	27,627
	2021	36,038	..	..	36,038	169	6,629	28,335
Rwanda	2018	759	96	5	850	68	168	682
	2019	798	99	6	892	69	170	*722
	2020	838	28	6	860	65	*145	*715
	2021	976	31	9	998	74	*211	788
Sao Tome and Principe	2018	*110	..	..	*110	*519	*44	*65
	2019	110	..	..	110	510	*41	*69
	2020	*110	..	..	*110	*501	*41	*69
	2021	*109	..	..	*109	*488	*40	*68
Senegal	2018	4,502	360	..	4,862	312	727	3,998
	2019	*4,453	324	..	*4,777	*299	816	3,960
	2020	5,804	356	..	6,160	375	821	4,585
	2021	6,515	315	..	6,831	405	1,068	5,400
Seychelles	2018	518	..	..	518	5,023	54	*464
	2019	540	..	..	540	5,174	61	*479
	2020	535	..	..	535	5,068	53	*482
	2021	536	..	..	536	5,031	*53	*483
Sierra Leone	2018	320	..	..	320	41	*89	*231
	2019	260	..	..	260	32	*80	*180
	2020	253	..	..	253	31	*79	*174
	2021	251	..	..	251	30	*72	*179
Somalia	2018	367	..	..	367	24	*17	350
	2019	367	..	..	367	23	*16	*351
	2020	370	..	..	370	22	*15	*355
	2021	383	..	..	383	22	*16	*367
South Africa	2018	256,064	8,320	14,458	249,926	4,359	57,897	205,423
	2019	252,639	7,823	14,482	245,980	4,235	58,953	187,137
	2020	239,715	9,829	13,647	235,897	4,012	58,242	189,146
	2021	244,383	10,137	13,705	240,815	4,055	59,657	193,404
South Sudan	2018	548	..	..	548	53	37	517
	2019	557	..	..	557	53	38	521
	2020	558	..	..	558	53	38	507
	2021	583	..	..	583	54	39	524
St. Helena and Depend.	2018	12	..	..	12	2,181	*1	11
	2019	12	..	..	12	2,187	*2	10
	2020	11	..	..	11	2,068	*2	10
	2021	11	..	..	11	1,987	1	9
Sudan	2018	16,398	808	..	17,206	410	3,506	13,700
	2019	16,814	*207	..	17,021	394	*3,794	*12,639
	2020	17,642	1,318	..	18,960	427	3,367	*15,593
	2021	*16,775	993	..	*17,768	*389	*3,890	*13,877
Togo	2018	588	1,076	192	1,473	183	212	1,239
	2019	718	837	118	1,437	174	117	1,328
	2020	699	815	..	1,514	179	113	1,378
	2021	848	801	..	1,648	191	137	1,475

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Country or area	Year	Production	Imports	Exports	Supply		Consumption	
					Total	Per capita	EIOU+losses	TFC
Tunisia	2018	21,012	382	484	20,910	1,752	4,416	16,504
	2019	22,140	472	631	21,981	1,824	4,503	17,430
	2020	21,633	369	969	21,034	1,729	4,536	16,453
	2021	22,143	1,331	302	23,172	1,890	5,412	17,698
Uganda	2018	4,040	84	233	3,891	94	789	3,067
	2019	4,364	104	299	4,169	97	826	3,233
	2020	4,447	21	222	4,246	96	811	3,269
	2021	4,769	24	393	4,400	96	1,089	3,581
United Rep. of Tanzania	2018	7,543	118	..	7,660	132	1,354	6,232
	2019	7,837	113	..	7,950	133	1,302	6,583
	2020	7,855	114	..	7,969	129	1,327	6,506
	2021	8,667	144	..	8,811	139	1,410	7,189
Zambia	2018	16,282	152	1,226	15,208	853	*2,294	12,898
	2019	15,115	198	976	14,338	780	*1,997	12,341
	2020	15,237	130	1,340	14,028	741	*2,525	11,504
	2021	17,718	18	2,152	15,584	800	*2,753	12,831
Zimbabwe	2018	9,369	1,177	161	10,386	690	1,912	8,506
	2019	8,402	1,612	504	9,510	619	1,714	8,061
	2020	6,673	2,337	355	8,655	552	1,552	7,336
	2021	8,454	2,194	450	10,199	638	1,854	8,645
<b>Asia</b>	<b>2018</b>	<b>13,795,921</b>	<b>113,638</b>	<b>102,446</b>	<b>13,807,113</b>	<b>3,008</b>	<b>2,250,312</b>	<b>11,568,054</b>
	<b>2019</b>	<b>14,235,508</b>	<b>131,099</b>	<b>100,373</b>	<b>14,266,234</b>	<b>3,082</b>	<b>2,329,845</b>	<b>12,031,052</b>
	<b>2020</b>	<b>14,481,297</b>	<b>148,427</b>	<b>110,237</b>	<b>14,519,486</b>	<b>3,113</b>	<b>2,366,432</b>	<b>12,164,802</b>
	<b>2021</b>	<b>15,533,270</b>	<b>160,166</b>	<b>116,476</b>	<b>15,576,961</b>	<b>3,318</b>	<b>2,497,957</b>	<b>13,093,460</b>
Afghanistan	2018	1,301	4,986	..	6,287	171	*730	*5,552
	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	*162	*760	*5,749
Armenia	2018	7,791	204	1,627	6,368	2,245	965	5,403
	2019	7,680	293	1,251	6,721	2,383	882	5,839
	2020	7,839	320	1,333	6,826	2,433	935	5,890
	2021	7,879	368	995	7,252	2,598	910	6,343
Azerbaijan	2018	25,229	131	1,445	23,915	2,356	6,081	17,812
	2019	26,073	137	1,491	24,719	2,416	6,024	18,666
	2020	25,839	137	1,151	24,825	2,414	5,783	19,019
	2021	27,889	152	1,673	26,367	2,557	5,954	20,386
Bahrain	2018	29,516	448	182	29,782	20,024	795	28,987
	2019	33,453	652	447	33,658	22,526	871	32,783
	2020	33,374	652	447	33,579	22,727	1,591	31,820
	2021	33,887	462	444	33,905	23,170	1,013	32,529
Bangladesh	2018	*77,935	4,783	..	*82,718	*505	11,686	72,578
	2019	85,046	6,786	..	91,832	555	14,311	79,198
	2020	85,500	6,674	..	92,174	551	14,480	79,881
	2021	95,481	8,103	..	103,584	612	15,719	90,392
Bhutan	2018	6,960	134	4,581	2,513	3,298	262	2,186
	2019	8,858	96	6,147	2,808	3,659	256	2,279
	2020	11,371	82	9,260	2,193	2,839	241	1,961
	2021	11,371	98	8,076	3,393	4,364	267	2,455
Brunei Darussalam	2018	4,294	..	..	4,294	9,887	1,009	3,284
	2019	4,933	..	..	4,933	11,261	1,028	3,906
	2020	5,736	..	..	5,736	12,985	972	4,732
	2021	5,700	..	..	5,700	12,798	1,017	4,797

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
Cambodia	2018	8,328	1,567	..	9,895	617	1,090	8,632
	2019	8,995	3,063	..	12,058	744	1,360	10,191
	2020	8,982	3,820	..	12,802	781	1,782	11,092
	2021	10,159	3,385	..	13,544	816	1,920	11,356
China	2018	7,166,133	5,688	20,906	7,150,915	5,046	1,149,860	6,000,960
	2019	7,503,458	4,860	21,650	7,486,668	5,265	1,187,949	6,298,689
	2020	7,779,060	4,750	21,790	7,762,020	5,447	1,194,448	6,567,566
	2021	8,534,273	5,940	20,180	8,520,033	5,975	1,266,148	7,253,888
China, Hong Kong SAR	2018	36,565	12,599	556	48,608	6,497	4,303	44,305
	2019	36,911	12,381	..	49,292	6,576	4,373	44,919
	2020	35,189	12,699	..	47,888	6,384	3,687	44,201
	2021	37,071	12,555	..	49,626	6,622	3,812	45,813
China, Macao SAR	2018	653	4,911	..	5,564	8,547	250	5,319
	2019	830	4,976	..	5,806	8,748	257	5,550
	2020	562	4,853	..	5,415	8,007	223	5,192
	2021	496	5,192	..	5,688	8,284	234	5,454
Cyprus	2018	5,061	..	..	5,061	4,152	397	4,665
	2019	5,141	..	..	5,141	4,184	419	4,724
	2020	4,849	..	..	4,849	3,918	446	4,377
	2021	5,119	..	..	5,119	4,115	469	4,650
Georgia	2018	12,149	1,522	602	13,069	3,464	1,113	11,937
	2019	11,857	1,763	380	13,240	3,511	1,181	12,059
	2020	11,160	1,712	256	12,616	3,350	1,136	11,479
	2021	12,645	3,190	1,575	14,260	3,795	1,142	13,119
India	2018	1,521,958	4,657	8,494	1,518,121	1,109	383,141	1,158,311
	2019	1,576,740	6,351	9,491	1,573,600	1,138	381,279	1,291,493
	2020	*1,533,307	*9,318	*9,426	*1,533,199	*1,098	*380,951	*1,182,189
	2021	*1,610,082	*9,548	*9,574	*1,610,056	*1,144	*425,226	*1,206,619
Indonesia	2018	275,657	..	..	275,657	1,032	35,877	251,796
	2019	281,248	..	..	281,248	1,043	37,751	258,092
	2020	276,504	..	..	276,504	1,017	38,021	250,204
	2021	289,471	..	..	289,471	1,057	36,722	258,511
Iran (Islamic Rep. of)	2018	309,642	2,588	6,295	305,934	3,573	44,918	258,722
	2019	311,458	1,342	8,206	304,593	3,519	50,621	265,516
	2020	336,239	2,674	9,470	329,443	3,774	55,629	273,143
	2021	344,161	2,674	9,470	337,366	3,837	57,006	286,034
Iraq	2018	81,292	21,793	..	103,086	2,540	*65,863	39,592
	2019	87,370	34,396	..	121,766	2,930	*82,653	*42,087
	2020	85,433	38,814	..	124,247	2,920	*78,509	44,499
	2021	86,164	41,464	..	127,628	2,932	71,439	52,325
Israel	2018	68,894	..	5,863	63,031	7,454	5,643	57,481
	2019	72,351	..	6,311	66,040	7,672	6,083	59,889
	2020	72,285	..	6,243	66,042	7,541	6,433	60,049
	2021	73,796	..	6,523	67,273	7,559	6,659	60,706
Japan	2018	1,067,252	..	..	1,067,252	8,453	113,388	945,688
	2019	1,039,148	..	..	1,039,148	8,261	111,056	927,258
	2020	1,017,285	..	..	1,017,285	8,122	112,149	913,523
	2021	1,049,910	..	..	1,049,910	8,425	117,813	931,911
Jordan	2018	20,476	188	94	20,571	1,967	2,637	17,494
	2019	20,995	239	98	21,137	1,976	2,739	17,910
	2020	20,952	632	190	21,394	1,958	2,783	18,570
	2021	21,289	395	173	21,511	1,930	2,801	18,916

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	2018	107,605	1,561	5,042	104,125	5,617	21,550	80,337
	2019	106,878	1,935	2,419	106,394	5,673	24,884	71,955
	2020	110,890	1,569	2,323	110,136	5,803	26,216	70,122
	2021	115,078	2,071	2,639	114,510	5,965	27,652	86,869
Korea, Dem.Ppl's.Rep.	2018	24,949	..	..	24,949	973	6,307	18,642
	2019	23,853	..	..	23,853	926	6,030	17,823
	2020	24,053	..	..	24,053	930	6,080	17,972
	2021	25,566	..	..	25,566	984	6,463	19,104
Korea, Republic of	2018	590,129	..	..	590,129	11,420	60,683	531,374
	2019	581,492	..	..	581,492	11,225	60,413	523,815
	2020	578,595	..	..	578,595	11,160	59,946	512,695
	2021	611,759	..	..	611,759	11,803	71,650	535,962
Kuwait	2018	74,157	202	535	73,824	17,100	31,065	42,759
	2019	75,203	451	580	75,074	16,904	31,468	43,605
	2020	74,956	451	135	75,272	17,262	31,718	43,554
	2021	80,757	325	338	80,744	18,998	33,564	47,180
Kyrgyzstan	2018	15,728	..	755	14,973	2,406	3,109	11,864
	2019	15,100	269	271	15,098	2,388	2,742	12,356
	2020	15,404	352	302	15,454	2,405	3,266	12,188
	2021	14,815	1,683	548	15,950	2,443	3,036	12,914
Lao People's Dem. Rep.	2018	36,762	302	27,216	9,848	1,386	*4,432	5,417
	2019	31,133	1,345	*22,460	10,018	1,389	*3,424	6,596
	2020	*39,967	*1,331	*28,833	*12,465	*1,703	*5,198	*7,268
	2021	*44,931	*1,358	*34,678	*11,611	*1,564	*4,545	*7,065
Lebanon	2018	23,150	11	..	23,161	3,892	*2,128	*21,033
	2019	23,819	90	..	23,909	4,135	*2,272	21,637
	2020	18,306	0	..	18,306	3,233	1,956	16,350
	2021	*13,631	0	..	*13,631	*2,437	*2,230	*11,401
Malaysia	2018	170,578	20	1,509	169,089	5,219	14,805	152,866
	2019	178,440	41	1,699	176,782	5,389	18,449	158,709
	2020	174,224	18	1,572	172,671	5,201	18,020	152,131
	2021	180,070	35	977	179,128	5,335	18,623	155,400
Maldives	2018	*773	..	..	*773	*1,577	*67	*706
	2019	*847	..	..	*847	*1,678	*75	*772
	2020	*853	..	..	*853	*1,658	*79	*774
	2021	*857	..	..	*857	*1,643	*84	*773
Mongolia	2018	6,535	1,666	27	8,174	2,584	1,725	6,450
	2019	6,900	1,723	24	8,599	2,660	1,752	6,847
	2020	6,970	1,685	42	8,613	2,615	1,796	6,817
	2021	7,825	1,823	24	9,624	2,875	1,906	7,755
Myanmar	2018	22,883	152	1,527	21,507	408	3,588	17,919
	2019	23,778	122	1,281	22,619	426	3,939	18,681
	2020	23,643	129	1,637	22,135	414	4,447	19,196
	2021	22,075	140	852	21,363	397	4,802	17,273
Nepal	2018	4,829	2,813	35	7,607	267	1,205	6,398
	2019	6,134	1,729	107	7,756	269	1,216	6,536
	2020	6,189	2,806	38	8,957	305	1,538	7,414
	2021	9,668	1,543	493	10,718	357	1,747	8,966
Oman	2018	37,718	..	..	37,718	8,198	4,171	33,547
	2019	38,337	..	..	38,337	8,329	4,541	33,796
	2020	38,173	..	..	38,173	8,402	5,055	33,117
	2021	41,122	..	..	41,122	9,097	5,461	35,661



## 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	2018	275,545	..	..	275,545	11,614	28,374	247,391
	2019	274,179	..	..	274,179	11,531	28,559	246,145
	2020	279,974	..	..	279,974	11,753	28,788	251,933
	2021	290,936	..	..	290,936	12,194	27,642	264,540
Pakistan	2018	136,461	297	..	136,758	622	22,555	109,459
	2019	134,818	499	..	135,317	606	18,642	113,546
	2020	144,049	514	..	144,563	636	36,876	107,687
	2021	144,435	498	..	144,933	626	*16,235	128,698
Philippines	2018	101,223	..	..	101,223	932	18,596	82,617
	2019	107,517	..	..	107,517	974	20,327	87,118
	2020	103,215	..	..	103,215	920	19,913	83,243
	2021	107,574	..	..	107,574	945	*18,949	88,625
Qatar	2018	47,913	..	..	47,913	17,318	6,045	41,868
	2019	49,873	..	..	49,873	17,766	6,212	43,660
	2020	49,259	..	..	49,259	17,845	6,208	43,089
	2021	51,641	..	..	51,641	19,210	6,237	45,404
Saudi Arabia	2018	359,257	351	385	359,223	10,258	58,014	299,177
	2019	367,816	337	33	368,120	10,275	65,363	288,570
	2020	367,498	464	832	367,130	10,199	67,636	289,304
	2021	379,045	308	352	379,001	10,542	*70,700	301,562
Singapore	2018	53,142	..	..	53,142	9,139	2,031	50,461
	2019	54,552	..	..	54,552	9,299	2,172	51,730
	2020	53,582	..	..	53,582	9,067	2,299	50,780
	2021	56,524	..	..	56,524	9,514	2,559	53,483
Sri Lanka	2018	15,985	..	..	15,985	741	2,019	14,119
	2019	16,630	..	..	16,630	768	1,876	14,738
	2020	15,801	..	..	15,801	728	2,254	14,450
	2021	16,716	..	..	16,716	768	2,415	*15,214
State of Palestine	2018	420	5,916	..	6,336	1,319	760	5,576
	2019	811	6,249	..	7,060	1,438	847	6,213
	2020	840	6,519	..	7,359	1,466	883	6,476
	2021	917	6,678	..	7,595	1,479	911	6,682
Syrian Arab Republic	2018	18,164	..	543	17,621	911	5,845	12,875
	2019	17,568	..	347	17,221	857	5,692	12,583
	2020	16,365	..	317	16,048	773	5,303	11,726
	2021	16,916	..	346	16,570	777	5,478	12,107
Tajikistan	2018	19,743	559	2,945	17,357	1,901	*3,172	13,890
	2019	20,676	281	3,175	17,782	1,904	2,642	14,167
	2020	19,734	379	1,870	18,243	1,912	2,860	14,965
	2021	20,624	883	3,307	18,200	1,867	4,371	13,777
Thailand	2018	182,288	26,669	1,093	207,865	2,922	15,728	188,048
	2019	190,681	25,547	2,882	213,346	2,992	16,218	193,176
	2020	188,870	29,551	2,611	215,810	3,019	16,241	196,706
	2021	*186,889	33,358	1,969	*218,278	*3,049	19,067	199,212
Timor-Leste	2018	453	..	..	453	359	*117	335
	2019	518	..	..	518	405	*134	384
	2020	506	..	..	506	389	*136	370
	2021	511	..	..	511	387	*131	380
Türkiye	2018	304,802	2,477	3,112	304,167	3,673	49,232	254,934
	2019	303,898	2,212	2,789	303,320	3,633	50,113	253,207
	2020	306,703	1,890	2,484	306,109	3,638	47,384	258,725
	2021	334,723	2,334	4,186	332,871	3,927	50,284	282,587

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	2018	22,534	..	3,201	19,333	3,188	6,857	12,476
	2019	22,534	..	3,201	19,333	3,139	6,857	12,476
	2020	22,534	..	3,201	19,333	3,093	6,857	12,476
	2021	22,534	..	3,201	19,333	3,048	6,857	12,476
United Arab Emirates	2018	*136,014	488	517	*135,985	*14,878	*20,151	116,390
	2019	*138,454	245	257	*138,442	*15,029	*18,513	119,941
	2020	*137,310	206	235	*137,282	*14,782	*19,087	118,223
	2021	149,053	868	657	149,263	15,938	20,025	129,028
Uzbekistan	2018	62,408	2,233	2,627	62,014	1,911	3,303	53,514
	2019	63,021	3,379	2,067	64,334	1,951	4,891	54,175
	2020	66,516	5,207	2,687	69,037	2,059	12,232	51,951
	2021	71,414	6,232	2,644	75,002	2,201	14,623	55,632
Viet Nam	2018	213,199	1,722	733	214,189	2,257	21,488	192,701
	2019	*232,602	2,401	1,311	*233,692	*2,440	26,643	207,049
	2020	240,543	3,067	1,555	242,055	2,504	24,251	215,743
	2021	253,498	1,403	582	254,320	2,609	31,740	223,529
Yemen	2018	3,487	..	..	3,487	113	1,179	2,210
	2019	3,277	..	..	3,277	104	1,088	2,220
	2020	2,939	..	..	2,939	91	950	2,212
	2021	2,915	..	..	2,915	88	941	2,248
<b>Europe</b>	<b>2018</b>	<b>4,902,887</b>	<b>461,131</b>	<b>463,057</b>	<b>4,900,961</b>	<b>6,555</b>	<b>919,494</b>	<b>3,968,524</b>
	<b>2019</b>	<b>4,847,750</b>	<b>463,845</b>	<b>464,976</b>	<b>4,846,619</b>	<b>6,475</b>	<b>900,555</b>	<b>3,930,484</b>
	<b>2020</b>	<b>4,696,299</b>	<b>472,009</b>	<b>473,142</b>	<b>4,695,166</b>	<b>6,272</b>	<b>869,455</b>	<b>3,809,049</b>
	<b>2021</b>	<b>4,900,459</b>	<b>506,717</b>	<b>509,960</b>	<b>4,897,216</b>	<b>6,551</b>	<b>880,962</b>	<b>3,992,424</b>
Albania	2018	8,552	850	1,764	7,639	2,655	1,315	6,085
	2019	5,206	3,177	770	7,612	2,649	1,310	6,179
	2020	5,313	3,239	963	7,589	2,647	1,298	6,312
	2021	8,963	2,252	2,800	8,415	2,948	1,421	6,666
Andorra	2018	145	439	0	585	7,792	73	492
	2019	118	465	0	583	7,630	71	490
	2020	153	375	0	529	6,805	60	447
	2021	109	426	0	535	6,769	65	448
Austria	2018	68,618	28,076	19,129	77,565	8,774	14,115	63,445
	2019	74,234	26,047	22,918	77,363	8,712	13,818	63,512
	2020	72,556	24,522	22,327	74,752	8,392	13,182	61,532
	2021	70,752	26,436	18,893	78,295	8,775	13,806	64,443
Belarus	2018	38,986	3,257	4,248	37,995	3,919	7,291	30,704
	2019	40,465	3,059	5,398	38,126	3,941	7,196	30,930
	2020	38,548	4,277	4,777	38,048	3,949	7,192	30,856
	2021	41,240	4,300	4,600	40,940	4,274	7,932	33,008
Belgium	2018	75,040	21,636	4,308	92,367	8,068	9,828	82,758
	2019	93,646	12,734	14,589	91,791	7,975	10,313	81,705
	2020	89,455	13,722	14,055	89,122	7,708	9,880	78,883
	2021	100,465	15,194	23,070	92,589	7,974	10,383	81,362
Bosnia and Herzegovina	2018	19,160	3,092	7,698	14,554	4,280	3,098	11,456
	2019	17,493	2,825	6,565	13,753	4,092	2,760	10,993
	2020	16,874	3,266	7,317	12,823	3,864	2,887	9,936
	2021	18,536	3,259	8,014	13,781	4,213	2,952	10,830
Bulgaria	2018	46,838	2,223	10,030	39,030	5,484	9,051	29,923
	2019	44,277	3,045	8,855	38,466	5,454	8,853	30,215
	2020	40,754	3,707	7,115	37,346	5,351	8,062	28,610
	2021	47,568	1,857	10,635	38,790	5,633	8,209	30,970

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
Croatia	2018	13,632	12,693	7,306	19,019	4,571	2,844	16,175
	2019	12,760	11,401	5,268	18,893	4,575	2,738	16,155
	2020	13,385	10,491	5,852	18,025	4,400	2,809	15,215
	2021	15,210	11,505	7,544	19,171	4,722	2,676	16,495
Czechia	2018	88,038	11,573	25,481	74,131	7,037	14,526	58,103
	2019	87,056	11,026	24,123	73,959	7,019	14,340	58,416
	2020	81,568	13,368	23,521	71,415	6,781	13,709	57,100
	2021	85,082	15,153	26,228	74,007	7,041	13,072	59,983
Denmark	2018	30,370	15,634	10,409	35,594	6,172	4,330	30,917
	2019	29,517	15,982	10,171	35,328	6,095	4,122	30,750
	2020	28,729	18,594	11,711	35,611	6,113	4,303	30,390
	2021	33,049	20,120	15,251	37,918	6,477	4,505	32,091
Estonia	2018	12,364	3,053	4,950	10,467	7,917	2,669	7,491
	2019	7,616	4,861	2,704	9,773	7,364	1,985	7,317
	2020	6,078	7,367	3,723	9,722	7,313	1,497	7,180
	2021	7,204	7,332	4,703	9,833	7,401	1,436	7,884
Faeroe Islands	2018	352	..	..	352	6,908	*31	321
	2019	386	..	..	386	7,470	*36	350
	2020	407	..	..	407	7,761	36	371
	2021	424	..	..	424	8,013	36	388
Finland	2018	70,263	22,548	2,612	90,199	16,354	7,006	82,769
	2019	68,650	23,938	3,896	88,692	16,063	6,989	81,310
	2020	69,268	21,774	6,670	84,372	15,259	7,062	76,898
	2021	72,121	24,492	6,724	89,889	16,237	7,197	82,094
France	2018	581,819	13,512	76,479	518,853	7,792	78,679	437,102
	2019	570,949	15,632	73,299	513,282	7,692	77,105	431,705
	2020	532,386	19,536	64,575	487,347	7,292	73,610	411,359
	2021	555,283	24,334	69,227	510,391	7,628	77,073	433,072
Germany	2018	640,468	31,727	80,463	591,732	7,138	82,338	509,394
	2019	606,917	40,126	72,793	574,250	6,906	77,735	496,515
	2020	575,462	47,853	66,882	556,433	6,678	74,205	482,227
	2021	588,343	51,731	70,306	569,768	6,831	75,145	494,623
Gibraltar	2018	215	..	..	215	6,600	11	205
	2019	220	..	..	220	6,725	11	209
	2020	215	..	..	215	6,561	11	204
	2021	233	..	..	233	7,137	12	221
Greece	2018	53,263	8,550	2,272	59,541	5,599	10,071	49,470
	2019	48,626	11,067	1,123	58,570	5,539	8,373	50,197
	2020	48,252	9,831	967	57,116	5,433	9,587	47,529
	2021	54,715	7,581	3,897	58,399	5,591	8,666	49,242
Guernsey	2018	54	319	..	373	6,019	25	348
	2019	165	204	..	369	5,909	22	348
	2020	23	347	..	370	5,889	*32	338
	2021	27	337	..	364	5,770	*26	338
Hungary	2018	32,067	18,613	4,265	46,415	4,748	6,702	39,418
	2019	34,291	19,853	7,269	46,875	4,797	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	5,034	6,113	42,298
Iceland	2018	19,830	..	..	19,830	56,184	1,128	18,487
	2019	19,489	..	..	19,489	54,019	1,075	18,227
	2020	19,127	..	..	19,127	52,165	1,069	17,869
	2021	19,614	..	..	19,614	52,963	1,112	18,345

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	2018	31,139	1,622	1,649	31,111	6,435	3,649	27,877
	2019	30,962	2,180	1,535	31,606	6,456	3,574	28,424
	2020	32,276	1,761	1,913	32,124	6,495	3,744	28,640
	2021	31,872	2,451	863	33,460	6,710	3,877	29,553
Isle of Man	2018	493	*51	131	413	4,927	*50	362
	2019	581	*23	192	412	4,909	*46	366
	2020	552	*24	168	408	4,849	62	352
	2021	360	*151	103	408	4,847	*62	342
Italy	2018	289,708	47,170	3,271	333,607	5,568	40,526	293,081
	2019	293,853	43,975	5,834	331,994	5,555	40,061	291,933
	2020	280,531	39,790	7,590	312,731	5,253	37,531	275,200
	2021	289,070	46,572	3,782	331,859	5,599	39,660	292,199
Jersey	2018	45	637	..	682	6,468	48	633
	2019	44	630	..	675	6,302	40	632
	2020	43	610	..	653	6,030	39	613
	2021	33	641	..	675	6,154	44	633
Kosovo	2018	5,915	825	677	6,064	3,546	1,660	4,398
	2019	6,348	928	905	6,372	3,777	1,643	4,714
	2020	6,713	966	1,283	6,395	3,828	1,497	4,894
	2021	6,892	3,336	2,649	7,579	4,560	1,670	5,802
Latvia	2018	6,725	5,174	4,265	7,634	3,944	970	6,662
	2019	6,438	4,611	3,493	7,556	3,943	918	6,637
	2020	5,725	4,173	2,548	7,350	3,875	826	6,524
	2021	5,846	4,666	2,894	7,619	4,066	879	6,739
Liechtenstein	2018	89	321	..	410	10,728	0	410
	2019	103	307	..	410	10,654	0	410
	2020	104	299	..	402	10,380	0	402
	2021	107	311	..	418	10,694	0	418
Lithuania	2018	3,511	12,848	3,215	13,144	4,570	2,743	10,398
	2019	3,972	13,268	3,924	13,315	4,674	2,771	10,541
	2020	5,518	12,013	4,105	13,426	4,761	3,069	10,355
	2021	5,079	12,479	3,435	14,122	5,068	2,965	11,154
Luxembourg	2018	2,200	7,553	1,392	8,361	13,754	1,902	6,459
	2019	1,908	6,818	939	7,787	12,561	1,390	6,397
	2020	2,234	6,543	1,079	7,699	12,213	1,579	6,120
	2021	2,211	6,758	1,037	7,932	12,408	1,540	6,393
Malta	2018	1,962	631	11	2,583	5,255	196	2,388
	2019	2,060	657	20	2,696	5,353	222	2,474
	2020	2,143	420	4	2,559	4,965	196	2,363
	2021	2,215	547	36	2,726	5,176	147	2,580
Montenegro	2018	3,679	780	976	3,483	5,516	637	2,847
	2019	3,423	1,196	943	3,676	5,831	622	3,054
	2020	3,386	5,943	5,864	3,465	5,508	628	2,837
	2021	3,777	5,318	5,489	3,606	5,743	628	2,978
Netherlands (Kingd. of the)	2018	114,264	26,755	18,785	122,234	7,071	14,578	107,783
	2019	121,355	20,403	19,548	122,211	7,038	14,273	107,622
	2020	123,287	19,773	22,433	120,627	6,919	13,087	106,333
	2021	122,132	20,885	20,632	122,385	6,993	13,715	107,172
North Macedonia	2018	5,870	2,411	583	7,698	3,642	1,457	6,241
	2019	5,870	2,411	583	7,698	3,641	1,457	6,241
	2020	5,347	2,965	639	7,674	3,635	1,449	6,225
	2021	5,532	2,837	359	8,009	3,808	1,445	6,564

## 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	2018	147,097	8,340	18,489	136,948	25,779	18,920	117,081
	2019	134,907	12,353	12,309	134,951	25,233	17,829	116,267
	2020	155,249	4,496	24,968	134,777	25,052	17,536	116,312
	2021	157,966	8,235	25,819	140,382	25,982	19,384	119,991
Poland	2018	170,039	13,816	8,121	175,734	4,562	35,265	140,469
	2019	163,989	17,868	7,245	174,611	4,536	34,200	140,412
	2020	158,043	20,624	7,357	171,310	4,458	33,988	137,322
	2021	179,631	15,100	14,212	180,519	4,712	36,830	143,688
Portugal	2018	59,636	5,668	8,325	56,979	5,537	9,020	47,959
	2019	53,154	8,099	4,700	56,553	5,496	8,674	47,880
	2020	53,078	7,553	6,097	54,535	5,296	8,214	46,254
	2021	50,980	9,544	4,791	55,733	5,416	8,338	47,321
Republic of Moldova	2018	954	3,500	..	4,454	1,418	613	3,841
	2019	941	3,501	..	4,442	1,429	629	3,813
	2020	983	3,418	..	4,401	1,427	594	3,807
	2021	1,131	3,607	..	4,738	1,548	610	4,128
Romania	2018	64,876	3,697	6,241	62,332	3,179	16,532	45,566
	2019	59,623	5,493	3,975	61,141	3,132	15,545	45,573
	2020	55,935	8,252	5,459	58,727	3,021	14,668	44,024
	2021	59,470	8,697	6,499	61,669	3,191	15,041	46,048
Russian Federation	2018	1,115,093	5,177	17,779	1,102,491	7,569	339,002	759,582
	2019	1,121,492	1,618	20,049	1,103,061	7,569	344,218	755,636
	2020	1,089,668	3,608	12,274	1,081,002	7,424	328,500	749,614
	2021	1,159,416	1,564	22,903	1,138,077	7,843	326,998	807,621
Serbia	2018	37,426	6,400	6,284	37,542	5,050	9,494	28,049
	2019	37,600	5,417	5,341	37,676	5,091	9,682	27,994
	2020	37,956	5,070	5,675	37,351	5,076	9,471	27,881
	2021	38,236	6,984	6,333	38,886	5,329	9,687	29,200
Slovakia	2018	26,971	12,428	8,746	30,653	5,628	4,684	25,935
	2019	28,434	13,538	11,838	30,134	5,525	4,907	25,192
	2020	28,838	13,289	12,970	29,157	5,343	5,323	23,813
	2021	30,016	13,884	13,110	30,790	5,652	5,220	25,549
Slovenia	2018	16,327	8,930	9,432	15,825	7,514	2,113	13,712
	2019	16,100	9,021	9,340	15,781	7,469	2,102	13,679
	2020	17,191	7,120	9,123	15,188	7,172	2,236	12,951
	2021	15,877	8,387	8,658	15,607	7,364	2,148	13,459
Spain	2018	274,452	24,018	12,916	285,554	6,103	46,724	238,465
	2019	273,257	18,721	11,859	280,119	5,943	44,912	234,529
	2020	263,373	17,928	14,649	266,653	5,630	46,550	219,655
	2021	274,312	17,411	16,559	275,164	5,795	47,200	227,880
Sweden	2018	163,400	12,202	29,425	146,177	14,384	17,327	127,562
	2019	168,439	9,070	35,231	142,278	13,857	16,482	124,558
	2020	163,833	11,827	36,824	138,836	13,390	13,878	123,426
	2021	171,798	8,341	33,909	146,230	13,970	16,634	128,264
Switzerland	2018	69,110	31,020	32,607	67,523	7,930	9,879	57,642
	2019	73,478	29,505	35,765	67,218	7,838	10,024	57,194
	2020	71,654	26,988	32,548	66,094	7,651	10,380	55,714
	2021	66,042	31,532	29,119	68,455	7,876	10,339	58,117
Ukraine	2018	159,833	32	6,099	153,766	3,460	35,113	118,653
	2019	154,141	2,238	6,283	150,096	3,395	32,919	116,689
	2020	148,408	2,720	5,139	145,989	3,325	31,655	113,510
	2021	158,083	1,458	3,497	156,044	3,585	29,114	117,794

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	2018	331,997	21,332	2,225	351,105	5,285	51,262	299,407
	2019	323,199	24,556	3,385	344,369	5,157	45,956	295,879
	2020	310,748	22,391	4,481	328,658	4,901	45,967	280,607
	2021	307,317	28,743	4,166	331,894	4,933	44,952	286,039
Latin America & Carib.	<b>2018</b>	<b>1,674,775</b>	<b>52,989</b>	<b>51,062</b>	<b>1,676,702</b>	<b>2,619</b>	<b>303,441</b>	<b>1,364,256</b>
	<b>2019</b>	<b>1,672,888</b>	<b>44,921</b>	<b>43,385</b>	<b>1,674,425</b>	<b>2,593</b>	<b>302,890</b>	<b>1,349,272</b>
	<b>2020</b>	<b>1,625,440</b>	<b>50,112</b>	<b>42,674</b>	<b>1,632,877</b>	<b>2,509</b>	<b>282,470</b>	<b>1,374,005</b>
	<b>2021</b>	<b>1,751,339</b>	<b>37,674</b>	<b>34,701</b>	<b>1,754,313</b>	<b>2,678</b>	<b>301,953</b>	<b>1,419,748</b>
Anguilla	2018	83	..	..	83	5,435	8	*74
	2019	100	..	..	100	6,478	11	*88
	2020	90	..	..	90	5,803	10	*80
	2021	98	..	..	98	6,223	*12	*86
Antigua and Barbuda	2018	362	..	..	362	3,951	*62	*300
	2019	358	..	..	358	3,891	54	*305
	2020	347	..	..	347	3,742	46	307
	2021	351	..	..	351	3,763	*47	*304
Argentina	2018	152,224	10,030	280	161,974	3,647	27,990	128,744
	2019	145,990	10,946	261	156,675	3,501	24,995	125,619
	2020	144,924	7,802	3,089	149,637	3,323	25,399	124,522
	2021	153,779	6,348	3,850	156,277	3,452	27,121	129,064
Aruba	2018	*931	..	..	*931	*8,783	*166	776
	2019	*973	..	..	*973	*9,142	*158	809
	2020	*912	..	..	*912	*8,552	*155	743
	2021	*955	..	..	*955	*8,969	*155	783
Bahamas	2018	1,925	..	..	1,925	4,790	*262	1,663
	2019	1,895	..	..	1,895	4,684	*280	1,614
	2020	1,796	..	..	1,796	4,418	273	1,523
	2021	1,859	..	..	1,859	4,557	*284	1,575
Barbados	2018	*1,038	..	..	*1,038	*3,711	95	943
	2019	*1,053	..	..	*1,053	*3,757	109	944
	2020	*982	..	..	*982	*3,500	89	894
	2021	*992	..	..	*992	*3,527	88	904
Belize	2018	416	235	..	651	1,704	79	586
	2019	305	384	..	689	1,770	79	620
	2020	434	270	..	704	1,783	199	515
	2021	404	380	..	784	1,960	174	547
Bolivia (Plur. State of)	2018	9,855	..	..	9,855	849	1,269	8,450
	2019	10,172	..	..	10,172	864	1,284	8,680
	2020	9,977	..	..	9,977	836	1,341	8,365
	2021	10,834	..	..	10,834	897	1,454	9,011
Bonaire, St Eustatius, Saba	2018	137	..	..	137	5,467	*31	*105
	2019	145	..	..	145	5,667	*34	*110
	2020	145	..	..	145	5,548	*34	*111
	2021	156	..	..	156	5,849	*35	*121
Brazil	2018	601,396	34,980	1	636,375	3,028	129,435	506,939
	2019	626,329	25,156	199	651,286	3,075	138,411	512,874
	2020	621,198	25,113	395	645,916	3,030	137,369	508,548
	2021	656,109	23,147	44	679,212	3,169	146,627	532,585
British Virgin Islands	2018	160	..	..	160	5,258	24	135
	2019	199	..	..	199	6,508	35	164
	2020	*203	..	..	*203	*6,564	*36	*167
	2021	*207	..	..	*207	*6,635	*37	*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
Cayman Islands	2018	658	..	..	658	10,137	9	649
	2019	696	..	..	696	10,519	6	689
	2020	668	..	..	668	9,919	3	665
	2021	678	..	..	678	9,957	2	677
Chile	2018	82,339	0	..	82,339	4,403	6,625	73,034
	2019	84,558	..	..	84,558	4,441	6,775	74,097
	2020	83,994	..	..	83,994	4,352	6,277	74,514
	2021	88,019	..	..	88,019	4,515	6,775	76,320
Colombia	2018	78,426	122	16	78,532	1,594	16,687	61,531
	2019	80,415	312	0	80,727	1,609	14,645	67,488
	2020	79,550	1,302	251	80,600	1,583	14,935	65,907
	2021	84,428	479	364	84,543	1,641	17,917	70,180
Costa Rica	2018	11,528	572	813	11,288	2,239	1,435	9,892
	2019	11,508	340	323	11,525	2,267	1,301	10,190
	2020	11,730	118	624	11,224	2,191	1,318	9,905
	2021	12,737	6	1,009	11,734	2,277	1,285	10,363
Cuba	2018	20,837	..	..	20,837	1,839	5,248	15,589
	2019	20,706	449	..	21,155	1,869	5,372	15,691
	2020	19,071	1,402	..	20,473	1,812	5,425	14,972
	2021	17,966	1,385	..	19,350	1,719	5,483	13,739
Curaçao	2018	866	..	..	866	4,688	150	716
	2019	*880	..	..	*880	*4,557	115	765
	2020	*844	..	..	*844	*4,460	114	730
	2021	846	..	..	846	4,445	110	736
Dominica	2018	110	..	..	110	1,557	10	*101
	2019	138	..	..	138	1,936	*13	*126
	2020	142	..	..	142	1,974	*13	*129
	2021	146	..	..	146	2,021	*12	*134
Dominican Republic	2018	19,651	..	..	19,651	1,825	3,242	16,409
	2019	19,857	..	..	19,857	1,825	3,276	18,196
	2020	19,293	..	..	19,293	1,754	5,408	15,559
	2021	21,314	..	..	21,314	1,917	2,968	18,764
Ecuador	2018	29,244	106	256	29,094	1,710	4,197	24,908
	2019	32,284	6	1,827	30,463	1,756	4,659	25,816
	2020	31,248	251	1,341	30,158	1,715	4,737	25,418
	2021	32,214	364	524	32,054	1,801	4,915	26,976
El Salvador	2018	5,359	1,824	65	7,118	1,134	1,079	6,221
	2019	6,070	1,450	158	7,362	1,172	1,194	6,343
	2020	6,350	774	131	6,992	1,111	1,121	5,990
	2021	6,475	1,317	34	7,758	1,229	1,415	6,488
Falkland Is. (Malvinas)	2018	18	..	..	18	4,844	*1	*16
	2019	18	..	..	18	4,842	*1	*17
	2020	18	..	..	18	4,878	*1	*17
	2021	19	..	..	19	4,957	*1	*17
Grenada	2018	235	..	..	235	1,925	23	212
	2019	245	..	..	245	1,999	22	223
	2020	227	..	..	227	1,837	23	204
	2021	229	..	..	229	1,839	22	207
Guatemala	2018	13,568	825	2,500	11,893	706	1,678	10,220
	2019	*14,083	1,141	2,190	*13,034	*762	2,373	10,660
	2020	12,835	1,085	1,156	12,764	735	2,350	10,381
	2021	14,420	1,141	1,116	14,446	820	2,653	11,760

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	2018	1,136	..	..	1,136	1,446	268	868
	2019	1,135	..	..	1,135	1,420	269	869
	2020	1,136	..	..	1,136	1,425	255	881
	2021	1,138	..	..	1,138	1,415	250	883
Haiti	2018	1,048	..	..	1,048	95	651	428
	2019	1,064	..	..	1,064	95	661	435
	2020	1,029	..	..	1,029	91	639	420
	2021	1,033	..	..	1,033	90	642	399
Honduras	2018	9,629	372	8	9,993	1,020	3,005	6,988
	2019	10,586	260	6	10,839	1,088	3,201	7,639
	2020	10,059	292	0	10,351	1,023	3,586	6,766
	2021	10,957	204	3	11,159	1,086	3,401	7,757
Jamaica	2018	4,402	..	..	4,402	1,566	1,190	3,299
	2019	4,465	..	..	4,465	1,587	1,189	3,409
	2020	4,939	..	..	4,939	1,751	1,896	3,873
	2021	4,705	..	..	4,705	1,664	1,619	3,646
Mexico	2018	357,592	3,673	2,426	358,839	2,894	57,759	299,696
	2019	344,839	3,907	3,084	345,662	2,763	50,618	280,076
	2020	317,680	9,965	5,955	321,690	2,553	46,213	299,959
	2021	379,696	1,737	2,693	378,740	2,989	52,962	295,041
Montserrat	2018	14	..	..	14	3,232	2	11
	2019	14	..	..	14	3,132	1	12
	2020	14	..	..	14	3,127	1	12
	2021	16	..	..	16	3,534	1	*12
Nicaragua	2018	4,636	201	0	4,837	736	1,381	3,594
	2019	4,576	434	0	5,010	752	1,568	3,769
	2020	3,791	1,071	0	4,862	720	1,464	3,653
	2021	4,213	1,005	0	5,219	762	1,582	3,879
Panama	2018	11,465	13	326	11,153	2,678	1,832	9,339
	2019	13,050	77	427	12,700	3,001	1,622	11,065
	2020	12,949	117	567	12,499	2,911	1,573	11,064
	2021	14,197	63	502	13,758	3,162	1,696	12,186
Paraguay	2018	59,212	..	42,205	17,007	2,639	4,503	12,504
	2019	49,448	..	31,748	17,700	2,711	4,860	12,840
	2020	46,373	..	28,005	18,368	2,775	4,649	13,719
	2021	40,576	..	21,719	18,857	2,813	5,151	13,706
Peru	2018	54,982	21	..	55,004	1,708	6,711	48,292
	2019	57,038	60	..	57,099	1,739	7,267	49,831
	2020	52,803	37	..	52,841	1,587	7,194	45,647
	2021	56,836	43	..	56,879	1,687	7,297	49,490
Puerto Rico	2018	17,453	..	..	17,453	5,258	1,187	16,375
	2019	18,886	..	..	18,886	5,735	*1,803	16,077
	2020	18,774	..	..	18,774	5,739	*1,759	16,035
	2021	19,184	..	..	19,184	5,892	*1,846	16,269
Sint Maarten (Dutch part)	2018	*291	..	..	*291	*6,898	*9	*270
	2019	*296	..	..	*296	*6,880	*9	*274
	2020	265	..	..	265	6,063	*8	*257
	2021	*286	..	..	*286	*6,487	*9	*277
St. Kitts-Nevis	2018	*230	..	..	*230	*4,809	*43	*187
	2019	*233	..	..	*233	*4,875	*43	*189
	2020	*221	..	..	*221	*4,633	*44	*177
	2021	*219	..	..	*219	*4,593	*44	*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
St. Lucia	2018	399	..	..	399	2,244	38	362
	2019	408	..	..	408	2,284	39	369
	2020	372	..	..	372	2,073	35	336
	2021	390	..	..	390	2,172	37	353
St. Vincent-Grenadines	2018	151	..	..	151	1,432	15	135
	2019	154	..	..	154	1,468	15	138
	2020	152	..	..	152	1,455	14	140
	2021	145	..	..	145	1,389	15	138
Suriname	2018	1,792	..	..	1,792	3,018	445	1,347
	2019	1,868	..	..	1,868	3,112	439	1,430
	2020	1,730	..	..	1,730	2,849	376	1,354
	2021	1,594	..	..	1,594	2,600	285	1,309
Trinidad and Tobago	2018	9,225	..	..	9,225	6,131	762	8,463
	2019	9,188	..	..	9,188	6,045	759	8,429
	2020	9,225	..	..	9,225	6,076	759	8,463
	2021	9,262	..	..	9,262	6,071	759	8,497
Turks and Caicos Islands	2018	*258	..	..	*258	*6,211	*22	237
	2019	*261	..	..	*261	*6,062	*20	*241
	2020	*256	..	..	*256	*5,792	*20	*237
	2021	*267	..	..	*267	*5,911	*23	*244
United States Virgin Is.	2018	625	..	..	625	6,163	*58	*567
	2019	637	..	..	637	6,316	*57	*579
	2020	666	..	..	666	6,635	*60	*606
	2021	710	..	..	710	7,090	*66	*644
Uruguay	2018	14,623	14	1,195	13,442	3,922	2,105	11,453
	2019	16,090	0	3,011	13,079	3,815	1,876	11,321
	2020	13,557	515	1,148	12,924	3,769	1,685	11,347
	2021	15,953	55	2,844	13,165	3,842	1,752	11,529
Venezuela (Bolivar. Rep.)	2018	94,248	0	970	93,278	3,127	21,650	71,627
	2019	79,676	0	152	79,524	2,745	21,373	58,152
	2020	82,471	0	14	82,458	2,894	3,565	78,894
	2021	84,730	0	0	84,730	3,005	2,926	81,805
<b>Northern America</b>	<b>2018</b>	<b>5,115,745</b>	<b>71,456</b>	<b>75,205</b>	<b>5,111,995</b>	<b>13,842</b>	<b>669,022</b>	<b>4,429,997</b>
	<b>2019</b>	<b>5,045,733</b>	<b>72,385</b>	<b>80,419</b>	<b>5,037,699</b>	<b>13,543</b>	<b>676,170</b>	<b>4,359,728</b>
	<b>2020</b>	<b>4,912,709</b>	<b>71,251</b>	<b>81,287</b>	<b>4,902,673</b>	<b>13,110</b>	<b>602,380</b>	<b>4,296,843</b>
	<b>2021</b>	<b>5,018,865</b>	<b>66,183</b>	<b>74,248</b>	<b>5,010,799</b>	<b>13,352</b>	<b>648,932</b>	<b>4,363,765</b>
Bermuda	2018	644	..	..	644	10,137	77	568
	2019	613	..	..	613	9,608	*57	554
	2020	*590	..	..	*590	*9,214	*72	518
	2021	*595	..	..	*595	*9,263	*72	523
Canada	2018	659,061	13,195	61,401	610,855	16,494	69,896	528,163
	2019	652,776	13,333	60,411	605,698	16,142	75,231	528,841
	2020	651,458	9,802	67,152	594,108	15,680	72,711	518,135
	2021	642,974	13,016	60,393	595,597	15,610	73,050	524,632
Greenland	2018	550	..	..	550	9,829	*26	343
	2019	531	..	..	531	9,492	*26	331
	2020	566	..	..	566	10,110	*27	351
	2021	569	..	..	569	10,121	*29	353
St. Pierre-Miquelon	2018	51	..	..	51	8,557	3	*47
	2019	52	..	..	52	8,798	3	*49
	2020	51	..	..	51	8,670	3	*49
	2021	51	..	..	51	8,619	2	*49

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 States	2018	4,455,439	58,261	13,804	4,499,895	13,548	599,019	3,900,876
	2019	4,391,761	59,052	20,008	4,430,805	13,253	600,853	3,829,952
	2020	4,260,044	61,449	14,135	4,307,358	12,822	529,568	3,777,790
	2021	4,374,676	53,167	13,855	4,413,988	13,098	575,779	3,838,209
Oceania	<b>2018</b>	<b>318,311</b>	..	..	<b>318,311</b>	<b>7,483</b>	<b>51,946</b>	<b>266,013</b>
	<b>2019</b>	<b>322,011</b>	..	..	<b>322,011</b>	<b>7,441</b>	<b>53,769</b>	<b>267,964</b>
	<b>2020</b>	<b>321,870</b>	..	..	<b>321,870</b>	<b>7,327</b>	<b>54,435</b>	<b>266,643</b>
	<b>2021</b>	<b>322,540</b>	..	..	<b>322,540</b>	<b>7,250</b>	<b>55,071</b>	<b>266,668</b>
American Samoa	2018	*168	..	..	*168	*3,470	*20	*149
	2019	*169	..	..	*169	*3,580	*24	*146
	2020	*171	..	..	*171	*3,697	*23	*147
	2021	*172	..	..	*172	*3,822	*24	*148
Australia	2018	260,999	..	..	260,999	10,449	45,884	215,114
	2019	264,025	..	..	264,025	10,412	47,507	216,518
	2020	265,178	..	..	265,178	10,330	48,521	216,657
	2021	265,554	..	..	265,554	10,245	49,178	216,376
Cook Islands	2018	42	..	..	42	2,434	*2	*40
	2019	39	..	..	39	2,286	*2	*37
	2020	34	..	..	34	2,000	*2	*32
	2021	34	..	..	34	1,980	*2	*32
Fiji	2018	1,045	..	..	1,045	1,138	*120	925
	2019	1,074	..	..	1,074	1,169	*124	950
	2020	989	..	..	989	1,074	*115	874
	2021	949	..	..	949	1,026	*120	829
French Polynesia	2018	680	..	..	680	2,283	39	634
	2019	695	..	..	695	2,320	38	652
	2020	668	..	..	668	2,212	39	623
	2021	672	..	..	672	2,209	39	633
Guam	2018	1,715	..	..	1,715	10,166	148	1,567
	2019	1,724	..	..	1,724	10,222	155	1,568
	2020	1,683	..	..	1,683	9,944	160	1,523
	2021	*1,712	..	..	*1,712	*10,038	157	1,555
Kiribati	2018	35	..	..	35	288	*6	*29
	2019	38	..	..	38	302	*6	*32
	2020	*37	..	..	*37	*295	*4	*33
	2021	*38	..	..	*38	*293	*6	*32
Marshall Islands	2018	*85	..	..	*85	*1,848	*22	*64
	2019	82	..	..	82	1,835	*22	*61
	2020	*82	..	..	*82	*1,891	*21	*61
	2021	*82	..	..	*82	*1,952	*21	*61
Micronesia (Fed. States of)	2018	*70	..	..	*70	*631	*23	*47
	2019	*70	..	..	*70	*630	*23	*47
	2020	*70	..	..	*70	*623	*23	*47
	2021	*70	..	..	*70	*617	*23	*47
Nauru	2018	36	..	..	36	3,034	8	28
	2019	36	..	..	36	2,978	6	30
	2020	38	..	..	38	3,092	7	30
	2021	*44	..	..	*44	*3,541	*8	*36
New Caledonia	2018	3,486	..	..	3,486	12,236	65	3,421
	2019	3,334	..	..	3,334	11,682	61	3,273
	2020	3,233	..	..	3,233	11,288	67	3,166
	2021	2,910	..	..	2,910	10,111	66	2,844

## 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
New Zealand	2018	44,695	..	..	44,695	9,237	5,078	39,273
	2019	45,147	..	..	45,147	9,104	5,282	39,595
	2020	44,530	..	..	44,530	8,799	4,967	38,778
	2021	44,610	..	..	44,610	8,696	4,917	38,892
Niue	2018	*4	..	..	*4	*2,050	0	*3
	2019	*4	..	..	*4	*2,020	*1	*3
	2020	*4	..	..	*4	*1,997	0	*3
	2021	*4	..	..	*4	*2,003	0	*3
Northern Mariana Islands	2018	*390	..	..	*390	*7,753	*86	*304
	2019	*392	..	..	*392	*7,862	*86	*306
	2020	*293	..	..	*293	*5,909	*63	*230
	2021	*305	..	..	*305	*6,164	*66	*239
Palau	2018	*96	..	..	*96	*5,357	*10	*86
	2019	97	..	..	97	5,386	*8	*89
	2020	*98	..	..	*98	*5,453	*10	*88
	2021	98	..	..	98	5,437	*10	*88
Papua New Guinea	2018	*4,333	..	..	*4,333	*464	384	3,949
	2019	*4,625	..	..	*4,625	*485	372	4,252
	2020	4,300	..	..	4,300	441	361	3,940
	2021	*4,824	..	..	*4,824	*485	*380	*4,444
Samoa	2018	154	..	..	154	732	15	138
	2019	169	..	..	169	799	18	152
	2020	172	..	..	172	803	16	157
	2021	171	..	..	171	780	18	152
Solomon Islands	2018	104	..	..	104	157	*16	*88
	2019	107	..	..	107	159	*18	*88
	2020	106	..	..	106	154	*18	*88
	2021	106	..	..	106	150	*19	*87
Tonga	2018	66	..	..	66	625	8	*58
	2019	71	..	..	71	673	8	*63
	2020	73	..	..	73	695	8	*65
	2021	75	..	..	75	706	8	*67
Tuvalu	2018	9	..	..	9	808	2	*7
	2019	9	..	..	9	821	2	*7
	2020	9	..	..	9	797	2	*7
	2021	9	..	..	9	787	2	*7
Vanuatu	2018	81	..	..	81	274	9	72
	2019	84	..	..	84	276	9	75
	2020	78	..	..	78	251	8	70
	2021	79	..	..	79	247	6	73
Wallis and Futuna Is.	2018	*20	..	..	*20	*1,693	*1	*19
	2019	*21	..	..	*21	*1,771	*1	*20
	2020	*23	..	..	*23	*1,931	*1	*22
	2021	*24	..	..	*24	*2,024	*1	*22