

### Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

#### Table Notes

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

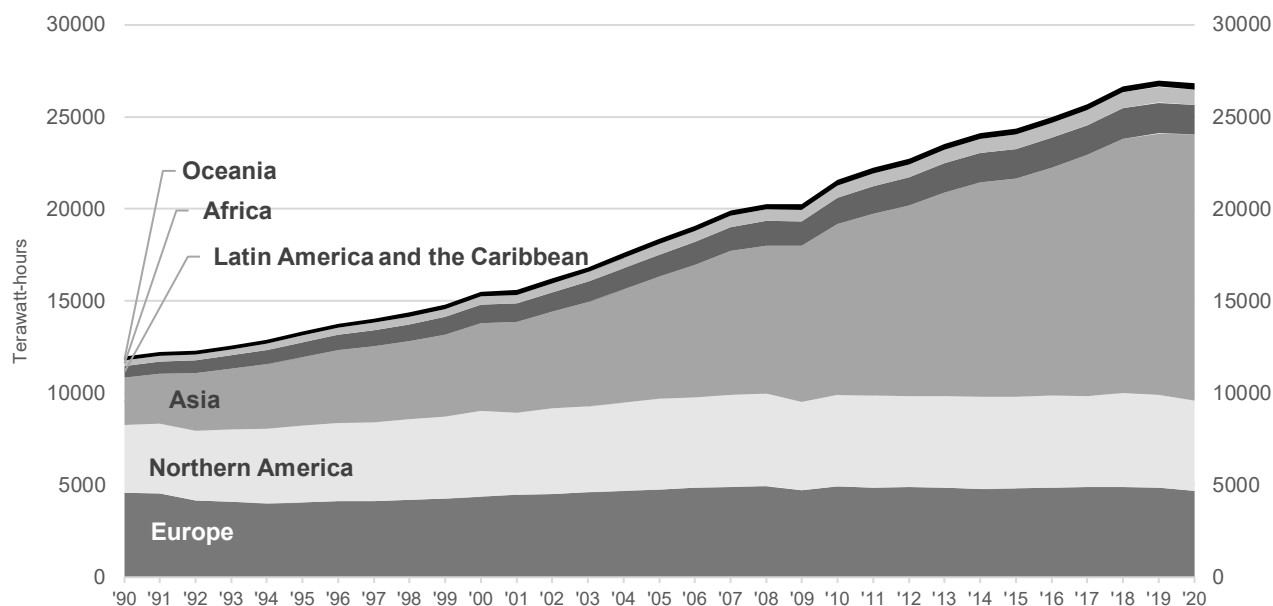
**EIOU and losses** refers to energy industries own use of electricity, including for pumped storage, and losses.

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

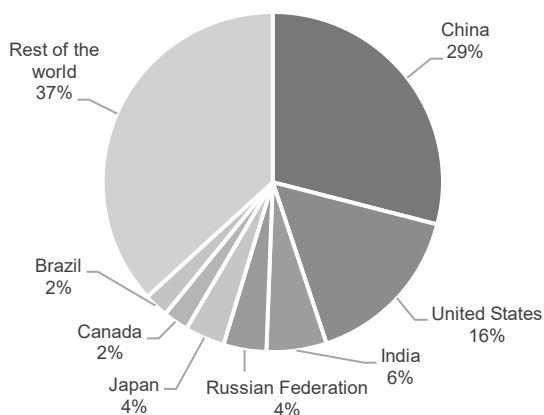
Figures may not add up due to statistical differences, or for some countries quantities transformed into heat in heat pumps and/or electric boilers

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

**Figure 81: World electricity generation by region, 1990-2020**



**Figure 82: Major electricity producing countries, 2020**



**Figure 83: Major electricity consuming countries, 2020**

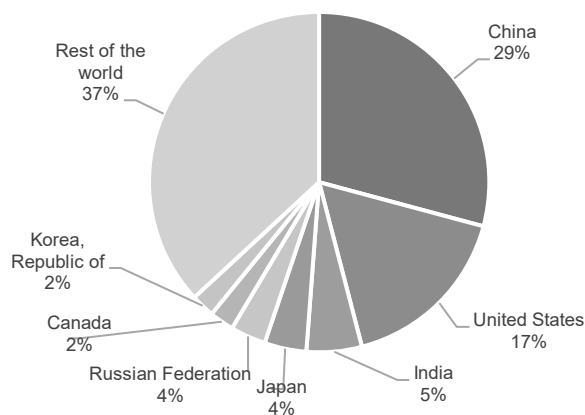


Table 33

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Gigawatt-hours and kilowatt-hours per capita

Country or area	Year	Production	Imports	Exports	Supply		Consumption	
					Total	Per capita	EIOU+losses	TFC
<b>World</b>	<b>2017</b>	<b>25,678,362</b>	<b>740,667</b>	<b>735,632</b>	<b>25,683,397</b>	<b>3,379</b>	<b>4,282,094</b>	<b>21,423,943</b>
	<b>2018</b>	<b>26,642,361</b>	<b>736,856</b>	<b>722,848</b>	<b>26,656,369</b>	<b>3,469</b>	<b>4,383,169</b>	<b>22,243,132</b>
	<b>2019</b>	<b>26,964,328</b>	<b>746,863</b>	<b>721,383</b>	<b>26,989,809</b>	<b>3,476</b>	<b>4,429,204</b>	<b>22,605,426</b>
	<b>2020</b>	<b>26,815,938</b>	<b>758,500</b>	<b>742,223</b>	<b>26,832,215</b>	<b>3,422</b>	<b>4,323,138</b>	<b>22,514,073</b>
<b>Africa</b>	<b>2017</b>	<b>827,967</b>	<b>39,646</b>	<b>31,829</b>	<b>835,785</b>	<b>662</b>	<b>180,857</b>	<b>652,153</b>
	<b>2018</b>	<b>852,683</b>	<b>37,804</b>	<b>31,580</b>	<b>858,906</b>	<b>664</b>	<b>175,174</b>	<b>687,703</b>
	<b>2019</b>	<b>861,532</b>	<b>34,007</b>	<b>34,964</b>	<b>860,576</b>	<b>649</b>	<b>181,084</b>	<b>671,057</b>
	<b>2020</b>	<b>848,027</b>	<b>37,393</b>	<b>37,070</b>	<b>848,350</b>	<b>624</b>	<b>180,855</b>	<b>673,789</b>
Algeria	2017	76,018	537	880	75,675	1,840	19,299	56,376
	2018	76,662	506	597	76,571	1,826	18,417	58,153
	2019	81,533	531	673	81,391	1,906	19,208	62,184
	2020	79,155	513	574	79,094	1,820	18,706	60,388
Angola	2017	10,737	..	..	10,737	355	1,490	9,247
	2018	12,869	..	..	12,869	411	1,793	11,076
	2019	15,474	..	..	15,474	478	2,141	13,333
	2020	16,400	..	..	16,400	491	*2,250	*14,132
Benin	2017	331	1,111	..	1,442	124	297	1,139
	2018	202	1,293	..	1,495	125	295	1,183
	2019	529	1,093	2	1,620	132	363	1,256
	2020	989	646	2	1,633	129	346	1,270
Botswana	2017	3,022	1,288	..	4,310	1,794	1,016	3,280
	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
Burkina Faso	2017	1,095	645	..	1,741	88	*289	*1,452
	2018	1,021	837	..	1,858	91	*274	*1,568
	2019	752	1,087	..	1,840	88	*202	*1,686
	2020	698	1,488	..	2,186	102	*283	*1,761
Burundi	2017	189	*94	..	283	25	*64	*225
	2018	246	*100	..	346	30	*70	*276
	2019	269	*100	..	369	31	*73	*296
	2020	276	*89	..	365	30	*71	*294
Cabo Verde	2017	426	..	..	426	753	123	*303
	2018	431	..	..	431	754	122	*309
	2019	444	..	..	444	770	121	*323
	2020	420	..	..	420	721	121	*299
Cameroon	2017	8,082	60	..	8,142	334	2,026	6,182
	2018	8,581	49	..	8,630	344	2,056	6,564
	2019	8,476	53	..	8,529	331	2,111	6,484
	2020	9,009	58	..	9,067	342	2,244	6,891
Central African Rep.	2017	145	..	..	145	29	*10	*135
	2018	147	..	..	147	29	*10	*137
	2019	149	..	..	149	29	*10	*139
	2020	*150	..	..	*150	*28	*10	*140
Chad	2017	308	..	..	308	20	*62	*242
	2018	312	..	..	312	20	*64	*245
	2019	317	..	..	317	20	*66	*249
	2020	335	..	..	335	20	*82	*253
Comoros	2017	*91	..	..	*91	*119	*33	*58
	2018	*98	..	..	*98	*127	*25	*74
	2019	*108	..	..	*108	*137	*27	*81
	2020	*130	..	..	*130	*161	*33	*98

## 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	2017	2,965	22	22	2,964	558	1,655	1,555
	2018	3,096	28	26	3,098	569	1,730	1,530
	2019	3,655	23	44	3,634	652	2,032	1,544
	2020	3,833	18	16	3,835	673	2,142	1,494
Côte d'Ivoire	2017	10,121	37	1,247	8,911	359	2,617	6,318
	2018	10,058	102	1,156	9,004	353	2,067	6,926
	2019	10,697	77	1,255	9,518	364	2,339	7,297
	2020	11,274	152	1,333	10,093	376	1,939	8,143
Dem. Rep. of the Congo	2017	9,988	668	62	10,594	126	2,071	8,523
	2018	12,067	799	70	12,796	147	2,831	9,965
	2019	12,060	385	248	12,197	136	2,914	9,283
	2020	12,929	410	174	13,166	142	3,432	9,733
Djibouti	2017	*59	508	..	568	546	*113	*461
	2018	55	526	..	581	550	*115	*469
	2019	92	*514	..	*606	*564	*120	*502
	2020	126	502	..	628	576	*125	*517
Egypt	2017	195,150	65	333	194,882	1,915	41,915	151,606
	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	39,036	157,435
Equatorial Guinea	2017	1,334	..	..	1,334	920	230	1,165
	2018	1,355	..	..	1,355	902	217	1,170
	2019	*1,363	..	..	*1,363	*878	*218	*1,144
	2020	*1,370	..	..	*1,370	*858	*216	*1,270
Eritrea	2017	334	..	..	334	98	58	274
	2018	352	..	..	352	102	61	289
	2019	363	..	..	363	104	63	299
	2020	375	..	..	375	106	65	309
Eswatini	2017	415	1,048	..	1,463	1,271	170	1,387
	2018	520	1,020	..	1,541	1,328	197	1,323
	2019	585	942	..	1,527	1,305	182	1,343
	2020	*541	1,044	..	1,584	1,342	*212	1,355
Ethiopia	2017	12,335	..	1,432	10,903	101	2,966	8,856
	2018	13,265	..	1,000	12,265	110	3,212	10,558
	2019	14,558	..	1,000	13,558	119	3,416	10,721
	2020	15,526	..	1,637	13,889	119	3,427	11,225
Gabon	2017	2,278	456	..	2,734	1,277	579	2,155
	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
Gambia	2017	317	..	..	317	133	*80	*237
	2018	392	..	..	392	160	*95	*297
	2019	460	..	..	460	183	*113	*347
	2020	482	..	..	482	187	*157	*325
Ghana	2017	14,248	320	268	14,300	473	986	13,037
	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
Guinea	2017	1,753	..	..	1,753	143	*298	*1,455
	2018	1,914	..	..	1,914	152	*325	*1,588
	2019	2,019	..	..	2,019	157	*343	*1,676
	2020	2,454	..	..	2,454	186	*449	*2,005

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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	2017	*80	..	..	*80	*42	*1	83
	2018	*81	..	..	*81	*42	*1	83
	2019	*82	..	..	*82	*42	0	*89
	2020	*82	..	..	*82	*41	0	*84
Kenya	2017	10,360	230	12	10,577	216	2,022	8,410
	2018	11,182	130	35	11,277	226	2,530	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
Lesotho	2017	502	387	1	888	409	117	700
	2018	517	397	3	911	414	116	807
	2019	393	542	1	934	420	130	791
	2020	427	442	1	868	385	88	673
Liberia	2017	*478	*20	..	*498	*104	*157	*341
	2018	*405	*20	..	*425	*87	*147	*278
	2019	*418	*20	..	*438	*88	*154	*284
	2020	*446	*20	..	*466	*92	*162	*304
Libya	2017	33,282	302	..	33,584	5,265	7,682	14,133
	2018	34,171	465	..	34,636	5,347	7,736	17,605
	2019	34,629	776	..	35,405	5,390	7,787	18,001
	2020	29,499	1,259	..	30,758	4,622	6,785	17,442
Madagascar	2017	1,983	..	..	1,983	76	166	*1,817
	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
Malawi	2017	1,917	..	20	1,897	106	*388	1,509
	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
Mali	2017	3,096	*117	*535	2,678	139	*330	*2,348
	2018	*3,290	*198	*550	*2,938	*147	*369	*2,568
	2019	3,535	*180	*556	3,159	154	*408	*2,751
	2020	3,728	*172	*569	3,331	157	*432	*2,899
Mauritania	2017	1,183	*185	..	1,368	329	*305	982
	2018	1,271	198	..	1,469	344	*325	1,023
	2019	1,347	204	..	1,551	354	*290	1,099
	2020	*1,434	*196	..	*1,630	*362	*352	1,190
Mauritius	2017	3,120	..	..	3,120	2,410	497	2,880
	2018	3,131	..	..	3,131	2,417	476	2,918
	2019	3,237	..	..	3,237	2,497	475	3,001
	2020	2,882	..	..	2,882	2,221	424	2,683
Morocco	2017	33,192	6,058	161	39,088	1,084	6,636	32,453
	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
Mozambique	2017	17,452	8,289	10,010	15,732	551	2,765	12,243
	2018	16,988	8,327	9,738	15,577	529	2,839	12,344
	2019	18,824	8,276	10,771	16,329	539	2,974	12,836
	2020	18,886	8,276	12,290	14,873	477	2,986	12,339
Namibia	2017	1,773	2,911	100	4,584	1,938	451	4,057
	2018	1,416	3,337	114	4,639	1,928	342	4,171
	2019	1,372	3,161	119	4,414	1,804	274	4,040
	2020	1,957	2,785	593	4,149	1,667	308	3,759

## 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	2017	566	845	0	1,412	65	*290	*1,014
	2018	480	1,253	0	1,733	77	*276	*1,379
	2019	626	1,057	..	1,683	72	425	1,239
	2020	656	1,105	..	1,761	72	*404	1,350
Nigeria	2017	32,218	..	..	32,218	167	5,994	25,992
	2018	33,380	..	..	33,380	168	6,194	26,653
	2019	33,107	..	..	33,107	163	6,158	27,274
	2020	32,432	..	..	32,432	156	6,034	27,767
Rwanda	2017	700	82	4	777	64	181	597
	2018	759	96	5	850	68	168	682
	2019	798	99	6	892	69	170	*722
	2020	838	28	6	860	65	*145	*715
Sao Tome and Principe	2017	109	..	..	109	526	*44	*65
	2018	*110	..	..	*110	*519	*44	*65
	2019	110	..	..	110	510	*41	*69
	2020	*110	..	..	*110	*501	*41	*69
Senegal	2017	4,418	360	..	4,778	315	726	3,472
	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
Seychelles	2017	513	..	..	513	5,038	52	*461
	2018	518	..	..	518	5,023	54	*464
	2019	540	..	..	540	5,174	61	*479
	2020	535	..	..	535	5,068	53	*482
Sierra Leone	2017	319	..	..	319	41	*93	*226
	2018	320	..	..	320	41	*89	*231
	2019	260	..	..	260	32	*80	*180
	2020	253	..	..	253	31	*79	*174
Somalia	2017	367	..	..	367	25	*47	*320
	2018	367	..	..	367	24	*17	350
	2019	367	..	..	367	23	*16	*351
	2020	370	..	..	370	22	*15	*355
South Africa	2017	257,769	7,321	14,423	250,667	4,426	59,437	202,672
	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	239,520	9,829	13,647	235,702	4,008	58,047	189,146
South Sudan	2017	542	..	..	542	51	39	498
	2018	548	..	..	548	53	37	517
	2019	557	..	..	557	53	38	521
	2020	558	..	..	558	53	38	507
St. Helena and Depend.	2017	11	..	..	11	2,061	*2	9
	2018	12	..	..	12	2,181	*1	11
	2019	12	..	..	12	2,187	*2	10
	2020	11	..	..	11	2,068	*2	10
Sudan	2017	15,692	891	..	16,583	408	3,414	12,961
	2018	16,398	808	..	17,206	410	3,506	13,700
	2019	16,814	*207	..	17,021	394	*3,794	*14,038
	2020	*16,758	727	..	*17,485	*393	*3,885	*13,711
Togo	2017	804	846	104	1,546	197	221	1,322
	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

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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	2017	20,589	450	483	20,556	1,740	4,364	16,113
	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
Uganda	2017	3,854	65	317	3,602	90	755	2,802
	2018	4,040	84	233	3,891	94	789	3,067
	2019	4,364	104	299	4,169	97	826	3,233
	2020	*4,445	21	222	*4,244	*96	811	3,269
United Rep. of Tanzania	2017	7,258	106	..	7,364	131	1,321	5,933
	2018	7,403	118	..	7,521	129	1,200	6,372
	2019	7,873	113	..	7,986	133	1,320	6,677
	2020	7,954	114	..	8,068	131	1,329	6,738
Zambia	2017	14,536	753	1,063	14,226	822	*2,045	12,192
	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
Zimbabwe	2017	7,544	2,569	351	9,762	662	1,872	7,880
	2018	9,418	1,177	161	10,435	693	1,923	8,506
	2019	8,451	1,612	504	9,559	623	1,724	8,063
	2020	6,712	2,337	355	8,694	555	1,560	7,333
<b>Asia</b>	<b>2017</b>	<b>13,082,812</b>	<b>109,178</b>	<b>105,898</b>	<b>13,086,092</b>	<b>2,877</b>	<b>2,155,124</b>	<b>10,957,448</b>
	<b>2018</b>	<b>13,772,209</b>	<b>113,576</b>	<b>102,097</b>	<b>13,783,689</b>	<b>3,003</b>	<b>2,226,321</b>	<b>11,560,344</b>
	<b>2019</b>	<b>14,212,142</b>	<b>131,689</b>	<b>96,922</b>	<b>14,246,909</b>	<b>3,078</b>	<b>2,290,070</b>	<b>12,026,502</b>
	<b>2020</b>	<b>14,431,976</b>	<b>127,806</b>	<b>107,131</b>	<b>14,452,652</b>	<b>3,099</b>	<b>2,299,526</b>	<b>12,162,868</b>
Afghanistan	2017	1,420	4,611	..	6,031	169	*670	*5,357
	2018	1,266	4,986	..	6,252	170	*695	*5,552
	2019	1,592	4,912	..	6,504	172	*725	*5,777
	2020	1,337	5,152	..	6,489	166	*725	*5,760
Armenia	2017	7,765	319	1,440	6,645	2,330	1,022	5,623
	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
Azerbaijan	2017	24,321	108	1,283	23,146	2,298	6,030	17,085
	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
Bahrain	2017	29,193	263	260	29,196	20,041	672	27,765
	2018	29,516	448	182	29,782	20,024	540	28,987
	2019	33,453	652	447	33,658	22,526	875	32,783
	2020	33,374	652	447	33,579	22,727	1,759	31,820
Bangladesh	2017	73,249	4,935	..	78,185	483	11,832	65,861
	2018	78,612	5,070	..	83,682	511	12,864	70,409
	2019	84,828	6,786	..	91,614	554	14,301	79,198
	2020	84,759	6,671	..	91,430	546	14,186	79,922
Bhutan	2017	7,730	92	5,701	2,121	2,805	161	2,186
	2018	6,960	134	4,581	2,513	3,298	219	2,186
	2019	8,858	96	6,147	2,808	3,659	*546	2,279
	2020	11,371	82	9,260	2,193	2,839	301	1,961
Brunei Darussalam	2017	4,157	..	..	4,157	9,661	1,043	3,112
	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	4,763

## 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	2017	6,902	1,442	..	8,344	527	1,547	6,792
	2018	8,530	1,567	..	10,097	630	1,494	8,649
	2019	9,018	3,063	..	12,081	745	1,821	10,379
	2020	8,982	3,820	..	12,802	781	1,782	11,092
China	2017	6,604,476	6,423	19,470	6,591,429	4,674	1,075,720	5,515,707
	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
China, Hong Kong SAR	2017	36,970	12,576	1,341	48,205	6,460	4,373	43,832
	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
China, Macao SAR	2017	1,465	3,952	..	5,417	8,483	249	5,169
	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
Cyprus	2017	5,004	..	..	5,004	4,141	459	4,542
	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
Georgia	2017	11,531	1,751	940	12,343	3,272	1,134	11,208
	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
India	2017	1,490,257	5,611	7,203	1,488,665	1,099	365,609	1,130,328
	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
Indonesia	2017	262,673	1,120	..	263,793	997	34,752	244,637
	2018	275,657	..	..	275,657	1,032	35,877	251,796
	2019	280,562	..	..	280,562	1,041	37,065	258,092
	2020	274,780	..	..	274,780	1,011	36,297	265,092
Iran (Islamic Rep. of)	2017	307,992	3,852	8,172	303,672	3,594	45,780	251,717
	2018	309,351	2,588	6,295	305,643	3,570	44,918	258,722
	2019	321,570	2,738	6,365	317,942	3,673	46,580	261,366
	2020	324,845	2,738	6,365	321,218	3,680	46,788	265,971
Iraq	2017	83,947	11,787	..	95,734	2,416	56,714	38,377
	2018	82,507	21,793	..	104,300	2,570	57,707	43,555
	2019	88,867	34,396	..	123,263	2,966	72,213	45,270
	2020	91,423	18,609	..	110,032	2,586	65,209	42,864
Israel	2017	67,674	..	5,649	62,025	7,465	5,440	56,295
	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
Japan	2017	1,080,902	..	..	1,080,902	8,534	113,747	964,732
	2018	1,068,385	..	..	1,068,385	8,462	113,388	945,688
	2019	1,040,627	..	..	1,040,627	8,273	111,056	927,258
	2020	1,017,778	..	..	1,017,778	8,126	113,900	907,402
Jordan	2017	20,793	51	57	20,787	2,035	2,644	17,504
	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	2,784	18,570

Table 33

## Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

Country or area	Year	Production	Imports	Exports	Supply		Consumption	
					Total	Per capita	EIOU+losses	TFC
Kazakhstan	2017	103,197	1,328	5,692	98,832	5,396	16,368	78,793
	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
Korea, Dem.Ppl's.Rep.	2017	14,451	..	..	14,451	566	3,653	10,798
	2018	15,044	..	..	15,044	587	3,803	11,241
	2019	13,580	..	..	13,580	527	3,432	10,147
	2020	15,210	..	..	15,210	588	3,844	11,365
Korea, Republic of	2017	566,893	..	..	566,893	11,005	60,511	523,237
	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
Kuwait	2017	72,826	553	390	72,989	17,695	19,326	53,663
	2018	74,161	202	535	73,828	17,101	20,034	53,795
	2019	75,082	..	..	75,082	16,906	19,766	60,311
	2020	74,757	..	..	74,757	17,144	20,024	59,720
Kyrgyzstan	2017	15,514	..	1,215	14,299	2,336	3,162	11,008
	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
Lao People's Dem. Rep.	2017	33,227	500	24,901	8,826	1,261	3,861	4,966
	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
Lebanon	2017	23,411	534	..	23,945	3,919	*2,192	*21,753
	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	18,344	0	..	18,344	3,239	1,995	16,350
Malaysia	2017	164,509	7	1,124	163,392	5,110	16,876	146,520
	2018	170,578	20	1,509	169,089	5,219	14,805	152,866
	2019	175,778	19	669	175,129	5,339	18,097	158,703
	2020	182,658	41	1,699	181,000	5,452	18,888	151,940
Maldives	2017	725	..	..	725	1,535	*41	*684
	2018	772	..	..	772	1,576	*42	*730
	2019	804	..	..	804	1,594	*46	*758
	2020	807	..	..	807	1,569	*52	*755
Mongolia	2017	6,027	1,574	26	7,576	2,447	1,627	5,949
	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
Myanmar	2017	20,055	116	1,393	18,778	359	2,940	15,839
	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
Nepal	2017	4,639	2,582	3	7,218	256	1,498	5,710
	2018	4,902	2,813	35	7,680	269	1,170	6,500
	2019	6,181	1,729	107	7,803	271	1,213	6,579
	2020	6,223	2,826	44	9,005	307	1,560	7,434
Oman	2017	36,130	..	..	36,130	7,955	3,781	32,349
	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



## 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	2017	270,281	..	..	270,281	11,421	28,685	241,586
	2018	275,577	..	..	275,577	11,615	28,384	247,435
	2019	274,191	..	..	274,191	11,531	28,564	246,190
	2020	280,127	..	..	280,127	11,759	28,793	251,986
Pakistan	2017	123,533	433	..	123,966	573	24,408	103,273
	2018	134,982	297	..	135,279	616	21,076	109,459
	2019	136,461	499	..	136,960	613	20,285	113,546
	2020	130,458	514	..	130,972	576	23,284	107,687
Philippines	2017	95,747	..	..	95,747	897	17,917	77,793
	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
Qatar	2017	45,555	..	..	45,555	16,799	5,526	40,030
	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
Saudi Arabia	2017	353,666	3	38	353,631	10,342	76,272	284,709
	2018	343,800	2	36	343,766	9,817	55,450	285,790
	2019	343,313	3	33	343,283	9,582	51,966	275,669
	2020	339,119	*464	*832	338,751	9,411	*48,254	277,944
Singapore	2017	52,401	..	..	52,401	9,090	2,591	49,638
	2018	53,142	..	..	53,142	9,139	2,537	50,438
	2019	54,552	..	..	54,552	9,299	2,696	51,713
	2020	53,702	..	..	53,702	9,087	2,907	50,761
Sri Lanka	2017	15,004	..	..	15,004	698	1,516	13,489
	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
State of Palestine	2017	546	5,577	..	6,123	1,302	735	5,388
	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
Syrian Arab Republic	2017	18,288	..	543	17,745	935	5,886	12,965
	2018	18,286	..	543	17,743	918	5,885	12,964
	2019	17,648	..	347	17,301	861	5,718	12,641
	2020	16,365	..	317	16,048	773	5,303	11,726
Tajikistan	2017	18,144	110	1,421	16,833	1,886	*3,170	13,774
	2018	19,743	559	2,945	17,357	1,901	*3,172	13,890
	2019	20,957	281	3,175	18,063	1,935	3,204	14,167
	2020	20,101	311	1,870	18,543	1,943	3,557	14,965
Thailand	2017	181,940	24,427	1,106	205,261	2,895	14,971	185,369
	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
Timor-Leste	2017	430	..	..	430	345	*108	321
	2018	453	..	..	453	359	*117	335
	2019	518	..	..	518	404	*133	384
	2020	505	..	..	505	389	*135	370
Türkiye	2017	297,278	2,728	3,304	296,702	3,614	50,947	245,755
	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

Table 33

## Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

Country or area	Year	Production	Imports	Exports	Supply		Consumption	
					Total	Per capita	EIOU+losses	TFC
Turkmenistan	2017	22,534	..	3,201	19,333	3,239	6,857	12,476
	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
United Arab Emirates	2017	*134,569	514	617	*134,466	*14,828	23,436	114,485
	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
Uzbekistan	2017	60,323	6,945	7,585	59,684	1,868	*4,344	50,350
	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
Viet Nam	2017	198,499	2,352	1,825	199,026	2,117	20,777	174,653
	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
Yemen	2017	4,050	..	..	4,050	135	1,545	2,297
	2018	3,487	..	..	3,487	113	1,179	2,203
	2019	3,277	..	..	3,277	104	1,088	2,210
	2020	2,939	..	..	2,939	91	950	2,201
<b>Europe</b>	<b>2017</b>	<b>4,884,692</b>	<b>462,820</b>	<b>465,012</b>	<b>4,882,500</b>	<b>6,539</b>	<b>903,252</b>	<b>3,965,058</b>
	<b>2018</b>	<b>4,903,522</b>	<b>461,031</b>	<b>462,851</b>	<b>4,901,702</b>	<b>6,556</b>	<b>920,192</b>	<b>3,969,779</b>
	<b>2019</b>	<b>4,848,725</b>	<b>463,859</b>	<b>464,976</b>	<b>4,847,608</b>	<b>6,477</b>	<b>903,501</b>	<b>3,932,118</b>
	<b>2020</b>	<b>4,690,690</b>	<b>471,927</b>	<b>473,143</b>	<b>4,689,474</b>	<b>6,265</b>	<b>871,122</b>	<b>3,806,480</b>
Albania	2017	4,526	2,915	0	7,441	2,584	1,483	5,956
	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
Andorra	2017	103	470	0	573	7,757	67	486
	2018	135	439	0	574	7,656	68	492
	2019	107	456	0	563	7,378	66	490
	2020	132	*396	0	*528	*6,798	55	447
Austria	2017	71,324	29,362	22,817	77,870	8,851	14,788	63,083
	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	72,566	24,522	22,327	74,762	8,393	13,519	61,204
Belarus	2017	34,515	5,992	3,407	37,100	3,822	7,148	29,952
	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
Belgium	2017	86,616	14,189	8,168	92,638	8,137	10,461	82,197
	2018	75,037	21,636	4,308	92,364	8,068	9,783	82,807
	2019	93,640	12,734	14,589	91,785	7,974	10,289	81,834
	2020	89,389	13,722	14,055	89,056	7,703	9,837	79,096
Bosnia and Herzegovina	2017	16,439	3,346	5,187	14,598	4,244	3,187	11,398
	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
Bulgaria	2017	45,613	3,705	9,186	40,132	5,588	10,178	29,909
	2018	46,838	2,223	10,030	39,030	5,484	9,051	29,893
	2019	44,302	3,045	8,855	38,492	5,458	8,853	30,119
	2020	40,767	3,707	7,115	37,358	5,353	8,062	28,603

## 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	2017	11,984	12,158	5,204	18,937	4,517	2,959	15,979
	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
Czechia	2017	87,050	15,072	28,109	74,013	7,028	14,795	57,407
	2018	88,032	11,573	25,481	74,125	7,036	14,545	58,103
	2019	87,031	11,026	24,123	73,934	7,017	14,340	58,416
	2020	81,517	13,368	23,521	71,364	6,777	13,721	57,029
Denmark	2017	31,023	15,218	10,655	35,585	6,202	4,266	31,073
	2018	30,370	15,634	10,409	35,594	6,172	4,330	30,917
	2019	29,523	15,982	10,171	35,334	6,096	4,032	30,850
	2020	28,733	18,594	11,711	35,616	6,114	3,488	31,230
Estonia	2017	13,160	2,281	5,015	10,426	7,914	3,194	7,232
	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	5,956	7,367	3,723	9,600	7,221	1,497	7,180
Faeroe Islands	2017	334	..	..	334	6,655	*28	306
	2018	352	..	..	352	6,908	*31	321
	2019	386	..	..	386	7,470	*36	350
	2020	407	..	..	407	7,761	36	371
Finland	2017	67,524	22,204	1,779	87,949	15,967	6,485	81,039
	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	68,950	21,647	6,671	83,926	15,178	6,616	76,901
France	2017	561,977	21,119	61,248	521,848	7,856	77,926	439,365
	2018	581,785	13,512	76,479	518,819	7,792	78,679	437,102
	2019	570,913	15,632	73,299	513,245	7,691	77,105	431,705
	2020	531,762	19,536	64,575	486,723	7,282	73,541	411,359
Germany	2017	653,723	27,842	80,301	601,264	7,277	82,311	518,953
	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	572,666	47,853	66,882	553,637	6,644	73,823	479,814
Gibraltar	2017	214	..	..	214	6,551	11	203
	2018	215	..	..	215	6,600	11	205
	2019	220	..	..	220	6,725	11	209
	2020	215	..	..	215	6,561	11	204
Greece	2017	55,266	8,696	2,459	61,503	5,752	7,534	53,969
	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
Guernsey	2017	77	294	..	371	6,027	17	354
	2018	54	319	..	373	6,019	25	348
	2019	165	204	..	369	5,909	22	348
	2020	23	347	..	370	5,889	*32	338
Hungary	2017	32,915	19,803	6,925	45,793	4,678	6,797	38,493
	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	39,938
Iceland	2017	19,239	..	..	19,239	55,986	1,153	17,892
	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

Table 33

## Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

Country or area	Year	Production	Imports	Exports	Supply		Consumption	
					Total	Per capita	EIOU+losses	TFC
Ireland	2017	30,876	1,116	1,795	30,197	6,328	3,475	26,636
	2018	31,139	1,622	1,649	31,111	6,435	3,649	27,877
	2019	30,960	2,180	1,535	31,604	6,455	3,574	28,424
	2020	32,290	1,761	1,913	32,138	6,498	3,757	28,646
Isle of Man	2017	467	41	95	413	4,938	*30	363
	2018	493	*65	131	427	5,095	60	362
	2019	581	*46	192	435	5,183	69	366
	2020	552	*46	168	430	5,110	70	360
Italy	2017	295,830	42,895	5,134	333,591	5,556	41,625	291,965
	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
Jersey	2017	49	626	..	674	6,508	53	620
	2018	45	637	..	682	6,468	48	633
	2019	44	630	..	675	6,302	40	632
	2020	*43	612	..	655	6,048	*40	616
Kosovo	2017	5,918	1,242	880	6,281	3,627	1,934	4,338
	2018	5,915	825	677	6,064	3,546	1,660	4,398
	2019	6,351	928	905	6,374	3,779	1,645	4,714
	2020	6,711	966	1,283	6,394	3,827	1,497	4,894
Latvia	2017	7,531	4,073	4,137	7,467	3,820	981	6,485
	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
Liechtenstein	2017	93	314	..	407	10,731	0	407
	2018	89	321	..	410	10,728	0	410
	2019	103	307	..	410	10,654	0	410
	2020	104	299	..	402	10,380	0	402
Lithuania	2017	4,187	11,926	3,249	12,864	4,429	2,802	10,059
	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	3,068	10,355
Luxembourg	2017	2,235	7,567	1,389	8,413	14,109	2,020	6,393
	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	1,581	6,120
Malta	2017	1,652	897	36	2,513	5,241	196	2,317
	2018	1,962	631	11	2,583	5,255	209	2,375
	2019	2,060	657	20	2,696	5,353	232	2,464
	2020	2,143	420	4	2,559	4,965	204	2,355
Montenegro	2017	2,483	1,537	417	3,603	5,697	631	2,855
	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
Netherlands	2017	117,195	22,458	18,952	120,701	7,015	14,924	106,342
	2018	114,258	26,755	18,785	122,228	7,071	14,576	108,945
	2019	121,352	20,403	19,548	122,207	7,038	14,278	109,169
	2020	123,554	19,773	22,433	120,894	6,934	13,070	109,064
North Macedonia	2017	5,600	2,294	311	7,583	3,590	1,481	6,102
	2018	5,607	2,297	377	7,527	3,561	1,421	6,105
	2019	5,870	2,411	583	7,698	3,641	1,457	6,241
	2020	5,346	2,965	639	7,673	3,635	1,449	6,224

## 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	2017	149,480	6,111	21,276	134,315	25,451	19,197	113,696
	2018	146,891	8,340	18,489	136,742	25,740	19,895	115,907
	2019	135,292	12,353	12,309	135,336	25,305	18,718	115,624
	2020	154,255	4,496	24,968	133,783	24,867	19,467	113,322
Poland	2017	170,465	13,271	10,984	172,752	4,483	36,964	135,788
	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
Portugal	2017	59,432	5,506	8,190	56,748	5,505	10,107	46,641
	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
Republic of Moldova	2017	896	3,412	..	4,308	1,355	604	3,704
	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
Romania	2017	64,296	4,842	7,735	61,402	3,117	16,563	44,699
	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
Russian Federation	2017	1,094,289	6,410	17,006	1,083,693	7,450	319,156	760,885
	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
Serbia	2017	37,045	6,549	5,724	37,870	5,073	9,746	28,124
	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
Slovakia	2017	27,738	15,563	12,535	30,766	5,656	4,940	25,803
	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
Slovenia	2017	16,326	9,133	9,648	15,811	7,535	2,281	13,530
	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
Spain	2017	275,726	23,762	14,593	284,895	6,116	45,679	239,101
	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
Sweden	2017	164,250	11,896	30,888	145,258	14,442	16,460	127,254
	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	14,207	123,097
Switzerland	2017	63,089	36,496	30,946	68,639	8,121	10,156	58,471
	2018	69,109	31,020	32,607	67,522	7,930	9,875	57,645
	2019	73,471	29,505	35,765	67,211	7,837	10,014	57,197
	2020	71,638	26,988	32,548	66,078	7,649	10,364	55,714
Ukraine	2017	156,037	50	5,226	150,861	3,378	33,495	117,366
	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	146,993	2,720	5,139	144,574	3,293	30,240	113,510

Table 33

## Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

Country or area	Year	Production	Imports	Exports	Supply		Consumption	
					Total	Per capita	EIOU+losses	TFC
United Kingdom	2017	337,884	18,167	3,407	352,644	5,338	52,964	299,865
	2018	333,162	21,332	2,225	352,270	5,303	51,034	300,800
	2019	323,846	24,556	3,385	345,016	5,167	48,102	296,483
	2020	311,259	22,391	4,481	329,169	4,909	48,201	280,490
Latin America & Carib.	2017	1,616,620	53,434	51,482	1,618,572	2,552	312,278	1,313,942
	2018	1,680,329	52,989	51,114	1,682,204	2,628	319,794	1,332,303
	2019	1,674,223	44,921	44,103	1,675,041	2,594	307,852	1,344,547
	2020	1,610,048	50,112	43,312	1,616,847	2,485	298,833	1,302,094
Anguilla	2017	82	..	..	82	5,453	*10	*72
	2018	83	..	..	83	5,435	8	*74
	2019	100	..	..	100	6,478	11	*88
	2020	90	..	..	90	5,803	10	*80
Antigua and Barbuda	2017	*353	..	..	*353	*3,874	*98	*255
	2018	362	..	..	362	3,951	*62	*300
	2019	358	..	..	358	3,891	54	*305
	2020	344	..	..	344	3,707	42	307
Argentina	2017	145,618	10,529	69	156,078	3,543	27,078	129,001
	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
Aruba	2017	*978	..	..	*978	*9,279	*165	*813
	2018	*991	..	..	*991	*9,351	*174	*817
	2019	*997	..	..	*997	*9,369	*168	*829
	2020	*1,001	..	..	*1,001	*9,392	*161	*840
Bahamas	2017	*1,989	..	..	*1,989	*4,985	*98	*1,841
	2018	*1,999	..	..	*1,999	*4,974	*78	*1,909
	2019	*2,010	..	..	*2,010	*4,968	*80	*1,930
	2020	*2,020	..	..	*2,020	*4,969	*69	*1,961
Barbados	2017	1,047	..	..	1,047	3,750	75	974
	2018	1,055	..	..	1,055	3,774	38	943
	2019	1,070	..	..	1,070	3,820	103	944
	2020	1,067	..	..	1,067	3,803	89	894
Belize	2017	406	230	..	636	1,697	74	572
	2018	416	235	..	651	1,704	79	586
	2019	305	384	..	689	1,770	79	620
	2020	434	270	..	704	1,783	199	515
Bolivia (Plur. State of)	2017	9,617	..	..	9,617	841	1,351	8,374
	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
Bonaire, St Eustatius, Saba	2017	137	..	..	137	5,610	*33	*104
	2018	*137	..	..	*137	*5,467	*32	*105
	2019	*145	..	..	*145	*5,667	*35	*110
	2020	145	..	..	145	5,548	*34	*111
Brazil	2017	589,326	36,511	156	625,681	3,001	127,259	498,420
	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
British Virgin Islands	2017	173	..	..	173	5,745	26	147
	2018	160	..	..	160	5,258	24	*136
	2019	*161	..	..	*161	*5,260	*22	*139
	2020	*162	..	..	*162	*5,230	*20	*142

## 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	2017	671	..	..	671	10,546	29	642
	2018	658	..	..	658	10,137	9	649
	2019	696	..	..	696	10,519	6	689
	2020	668	..	..	668	9,919	3	665
Chile	2017	79,443	0	39	79,404	4,323	7,291	69,624
	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
Colombia	2017	75,125	78	9	75,194	1,555	13,613	61,232
	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	15,072	65,687
Costa Rica	2017	11,359	551	741	11,169	2,236	1,415	9,804
	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	11,743	118	624	11,237	2,193	1,318	9,905
Cuba	2017	20,558	..	..	20,558	1,813	5,068	15,490
	2018	20,837	..	..	20,837	1,839	5,248	15,589
	2019	21,078	449	..	21,528	1,902	5,747	15,691
	2020	19,428	1,402	..	20,829	1,843	5,425	14,972
Curaçao	2017	891	..	..	891	5,197	156	736
	2018	866	..	..	866	4,688	150	716
	2019	879	..	..	879	4,553	114	765
	2020	839	..	..	839	4,433	109	730
Dominica	2017	131	..	..	131	1,856	10	*122
	2018	110	..	..	110	1,557	10	*101
	2019	138	..	..	138	1,936	*13	*126
	2020	142	..	..	142	1,974	*13	*129
Dominican Republic	2017	19,036	..	..	19,036	1,788	3,138	15,887
	2018	19,651	..	..	19,651	1,825	3,242	16,409
	2019	19,857	..	..	19,857	1,825	3,276	18,196
	2020	16,629	..	..	16,629	1,512	2,743	15,559
Ecuador	2017	28,033	19	212	27,840	1,667	3,899	23,972
	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	25,289
	2020	31,248	251	1,341	30,158	1,715	4,737	25,418
El Salvador	2017	5,494	1,675	90	7,079	1,130	1,098	6,153
	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
Falkland Is. (Malvinas)	2017	18	..	..	18	4,894	*1	*17
	2018	17	..	..	17	4,723	*1	*16
	2019	18	..	..	18	4,774	*1	*17
	2020	18	..	..	18	4,794	*1	*17
Grenada	2017	230	..	..	230	1,899	34	200
	2018	234	..	..	234	1,923	26	208
	2019	243	..	..	243	1,977	20	217
	2020	226	..	..	226	1,831	23	195
Guatemala	2017	12,272	891	1,858	11,306	682	1,259	10,115
	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	12,803	1,085	1,156	12,731	733	2,350	10,381

Table 33

## Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

Country or area	Year	Production	Imports	Exports	Supply		Consumption	
					Total	Per capita	EIOU+losses	TFC
Guyana	2017	1,105	..	..	1,105	1,448	245	859
	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
Haiti	2017	1,058	..	..	1,058	97	642	422
	2018	1,048	..	..	1,048	95	651	428
	2019	1,064	..	..	1,064	95	661	435
	2020	1,029	..	..	1,029	91	639	420
Honduras	2017	9,385	446	25	9,807	1,019	2,872	6,935
	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
Jamaica	2017	4,360	..	..	4,360	1,552	1,170	3,191
	2018	4,402	..	..	4,402	1,566	1,163	3,299
	2019	4,425	..	..	4,425	1,573	1,251	3,173
	2020	4,844	..	..	4,844	1,717	1,239	3,605
Mexico	2017	322,062	2,151	1,804	322,409	2,625	60,982	271,921
	2018	357,593	3,673	2,426	358,840	2,894	62,974	273,593
	2019	344,176	3,907	3,084	344,999	2,758	49,480	280,076
	2020	314,549	9,965	5,955	318,559	2,528	45,435	258,852
Montserrat	2017	13	..	..	13	2,843	1	11
	2018	14	..	..	14	3,232	1	11
	2019	14	..	..	14	3,132	1	12
	2020	14	..	..	14	3,127	1	12
Nicaragua	2017	4,525	327	1	4,851	749	1,403	3,451
	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
Panama	2017	11,054	7	318	10,743	2,623	1,689	9,095
	2018	11,353	13	326	11,040	2,651	1,916	9,296
	2019	11,663	77	427	11,313	2,673	1,506	9,786
	2020	10,970	117	567	10,520	2,450	1,414	9,232
Paraguay	2017	59,685	..	43,635	16,051	2,526	4,496	11,555
	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
Peru	2017	52,743	17	0	52,759	1,669	6,294	46,465
	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
Puerto Rico	2017	16,371	..	..	16,371	4,863	*1,656	13,559
	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
Sint Maarten (Dutch part)	2017	*300	..	..	*300	*7,163	*10	*282
	2018	*291	..	..	*291	*6,898	*9	*270
	2019	*296	..	..	*296	*6,880	*9	*274
	2020	265	..	..	265	6,063	*8	*257
St. Kitts-Nevis	2017	229	..	..	229	4,802	*47	*182
	2018	*230	..	..	*230	*4,808	*43	*187
	2019	*232	..	..	*232	*4,873	*43	*189
	2020	*219	..	..	*219	*4,598	*42	*177



## 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	2017	400	..	..	400	2,259	41	360
	2018	404	..	..	404	2,272	43	362
	2019	415	..	..	415	2,322	46	369
	2020	378	..	..	378	2,110	42	336
St. Vincent-Grenadines	2017	151	..	..	151	1,427	*15	136
	2018	151	..	..	151	1,432	*16	135
	2019	154	..	..	154	1,468	*16	138
	2020	154	..	..	154	1,470	*15	139
Suriname	2017	1,805	..	..	1,805	3,073	458	1,347
	2018	1,792	..	..	1,792	3,018	445	1,347
	2019	1,868	..	..	1,868	3,112	439	1,430
	2020	1,727	..	..	1,727	2,845	373	1,354
Trinidad and Tobago	2017	9,323	..	..	9,323	6,305	614	8,709
	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
Turks and Caicos Islands	2017	*293	..	..	*293	*7,361	*13	284
	2018	*258	..	..	*258	*6,211	*22	237
	2019	*261	..	..	*261	*6,062	*20	*241
	2020	*256	..	..	*256	*5,792	*20	*237
United States Virgin Is.	2017	*611	..	..	*611	*5,994	*111	*499
	2018	*626	..	..	*626	*6,180	*113	*514
	2019	*672	..	..	*672	*6,665	*117	*555
	2020	*660	..	..	*660	*6,573	*110	*550
Uruguay	2017	14,363	3	1,462	12,904	3,771	1,831	11,118
	2018	14,623	14	1,195	13,442	3,922	2,105	11,454
	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
Venezuela (Bolivar. Rep.)	2017	103,796	0	1,064	102,732	3,361	34,410	68,997
	2018	99,757	..	1,023	98,734	3,310	32,903	65,588
	2019	82,571	..	870	81,702	2,820	27,296	55,189
	2020	74,265	..	652	73,613	2,584	24,220	49,965
<b>Northern America</b>	<b>2017</b>	<b>4,950,992</b>	<b>75,589</b>	<b>81,411</b>	<b>4,945,170</b>	<b>13,494</b>	<b>679,164</b>	<b>4,271,681</b>
	<b>2018</b>	<b>5,115,013</b>	<b>71,456</b>	<b>75,205</b>	<b>5,111,263</b>	<b>13,840</b>	<b>689,931</b>	<b>4,426,408</b>
	<b>2019</b>	<b>5,045,638</b>	<b>72,386</b>	<b>80,418</b>	<b>5,037,606</b>	<b>13,543</b>	<b>692,855</b>	<b>4,363,180</b>
	<b>2020</b>	<b>4,913,140</b>	<b>71,261</b>	<b>81,567</b>	<b>4,902,834</b>	<b>13,111</b>	<b>618,158</b>	<b>4,301,744</b>
Bermuda	2017	676	..	..	676	10,687	90	585
	2018	644	..	..	644	10,137	77	568
	2019	613	..	..	613	9,608	*57	554
	2020	*590	..	..	*590	*9,214	*72	518
Canada	2017	663,320	9,904	72,040	601,184	16,446	92,415	514,607
	2018	658,332	13,195	61,401	610,126	16,474	90,803	524,574
	2019	652,675	13,334	60,410	605,599	16,140	91,920	532,287
	2020	651,896	9,812	67,432	594,276	15,685	88,487	523,041
Greenland	2017	518	..	..	518	9,264	29	328
	2018	547	..	..	547	9,779	*29	343
	2019	537	..	..	537	9,605	*22	337
	2020	559	..	..	559	9,980	*29	346
St. Pierre-Miquelon	2017	49	..	..	49	8,172	3	46
	2018	51	..	..	51	8,557	3	47
	2019	52	..	..	52	8,798	3	49
	2020	51	..	..	51	8,670	3	49

Table 33

## Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

Country or area	Year	Production	Imports	Exports	Supply		Consumption	
					Total	Per capita	EIOU+losses	TFC
United States	2017	4,286,429	65,685	9,371	4,342,743	13,168	586,627	3,756,115
	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
Oceania	<b>2017</b>	<b>315,279</b>	..	..	<b>315,279</b>	<b>7,540</b>	<b>51,420</b>	<b>263,661</b>
	<b>2018</b>	<b>318,605</b>	..	..	<b>318,605</b>	<b>7,490</b>	<b>51,756</b>	<b>266,596</b>
	<b>2019</b>	<b>322,068</b>	..	..	<b>322,068</b>	<b>7,442</b>	<b>53,844</b>	<b>268,022</b>
	<b>2020</b>	<b>322,058</b>	..	..	<b>322,058</b>	<b>7,331</b>	<b>54,644</b>	<b>267,098</b>
American Samoa	2017	167	..	..	167	3,371	19	*148
	2018	*168	..	..	*168	*3,470	*20	*149
	2019	*169	..	..	*169	*3,580	*24	*146
	2020	*171	..	..	*171	*3,697	*23	*147
Australia	2017	258,019	..	..	258,019	10,493	44,959	213,060
	2018	260,998	..	..	260,998	10,449	45,631	215,367
	2019	264,025	..	..	264,025	10,412	47,474	216,551
	2020	265,178	..	..	265,178	10,330	48,493	216,685
Cook Islands	2017	38	..	..	38	2,173	*3	*35
	2018	47	..	..	47	2,743	*4	*44
	2019	44	..	..	44	2,581	*4	*41
	2020	40	..	..	40	2,370	*3	*37
Fiji	2017	1,017	..	..	1,017	1,107	*115	902
	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
French Polynesia	2017	681	..	..	681	2,305	43	638
	2018	676	..	..	676	2,273	43	634
	2019	693	..	..	693	2,311	41	652
	2020	665	..	..	665	2,204	42	623
Guam	2017	1,760	..	..	1,760	10,439	150	1,610
	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	9,945	160	1,523
Kiribati	2017	*31	..	..	*31	*258	*6	*24
	2018	*32	..	..	*32	*258	*6	*25
	2019	*32	..	..	*32	*256	*6	*26
	2020	*31	..	..	*31	*248	*4	*26
Marshall Islands	2017	*87	..	..	*87	*1,844	*22	*66
	2018	*85	..	..	*85	*1,848	*22	*64
	2019	82	..	..	82	1,835	*22	*61
	2020	*82	..	..	*82	*1,891	*21	*61
Micronesia (Fed. States of)	2017	*69	..	..	*69	*624	*22	*47
	2018	*70	..	..	*70	*631	*23	*47
	2019	*70	..	..	*70	*630	*23	*47
	2020	*70	..	..	*70	*623	*23	*47
Nauru	2017	35	..	..	35	2,967	9	26
	2018	36	..	..	36	3,034	8	28
	2019	36	..	..	36	2,978	6	32
	2020	38	..	..	38	3,092	9	32
New Caledonia	2017	3,228	..	..	3,228	11,353	68	3,160
	2018	3,486	..	..	3,486	12,236	65	3,420
	2019	3,334	..	..	3,334	11,682	61	3,273
	2020	3,233	..	..	3,233	11,288	67	3,166

## 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	2017	44,641	..	..	44,641	9,405	5,227	39,182
	2018	44,695	..	..	44,695	9,237	5,078	39,273
	2019	45,147	..	..	45,147	9,104	5,282	39,595
	2020	44,543	..	..	44,543	8,801	4,980	38,778
Niue	2017	*3	..	..	*3	*1,819	0	*3
	2018	*4	..	..	*4	*2,050	0	*3
	2019	*4	..	..	*4	*2,020	*1	*3
	2020	*4	..	..	*4	*1,997	0	*3
Northern Mariana Islands	2017	*380	..	..	*380	*7,491	*85	*295
	2018	*390	..	..	*390	*7,753	*86	*304
	2019	*392	..	..	*392	*7,862	*86	*306
	2020	*293	..	..	*293	*5,909	*63	*230
Palau	2017	*98	..	..	*98	*5,494	*14	*84
	2018	*96	..	..	*96	*5,357	*10	*86
	2019	97	..	..	97	5,386	*8	*89
	2020	*98	..	..	*98	*5,453	*10	*88
Papua New Guinea	2017	4,595	..	..	4,595	504	*631	*3,998
	2018	4,629	..	..	4,629	496	442	*4,280
	2019	4,686	..	..	4,686	491	475	*4,278
	2020	4,476	..	..	4,476	459	577	*4,364
Samoa	2017	154	..	..	154	743	16	138
	2018	154	..	..	154	732	15	138
	2019	169	..	..	169	799	18	152
	2020	173	..	..	173	803	16	157
Solomon Islands	2017	103	..	..	103	160	*13	*90
	2018	104	..	..	104	157	*16	*88
	2019	107	..	..	107	159	*18	*88
	2020	107	..	..	107	154	*18	*88
Tonga	2017	67	..	..	67	631	8	*59
	2018	66	..	..	66	625	8	*58
	2019	71	..	..	71	673	8	*63
	2020	73	..	..	73	695	8	*65
Tuvalu	2017	8	..	..	8	760	2	7
	2018	*8	..	..	*8	*780	*2	*7
	2019	*9	..	..	*9	*796	*2	*7
	2020	*9	..	..	*9	*780	*2	*7
Vanuatu	2017	80	..	..	80	274	8	72
	2018	81	..	..	81	274	9	72
	2019	84	..	..	84	276	9	75
	2020	78	..	..	78	251	8	*73
Wallis and Futuna Is.	2017	*20	..	..	*20	*1,642	*3	*17
	2018	*20	..	..	*20	*1,693	*1	*19
	2019	*21	..	..	*21	*1,771	*1	*20
	2020	*23	..	..	*23	*2,009	*2	*22