

## Net installed capacity of electric plants - by type

Megawatts

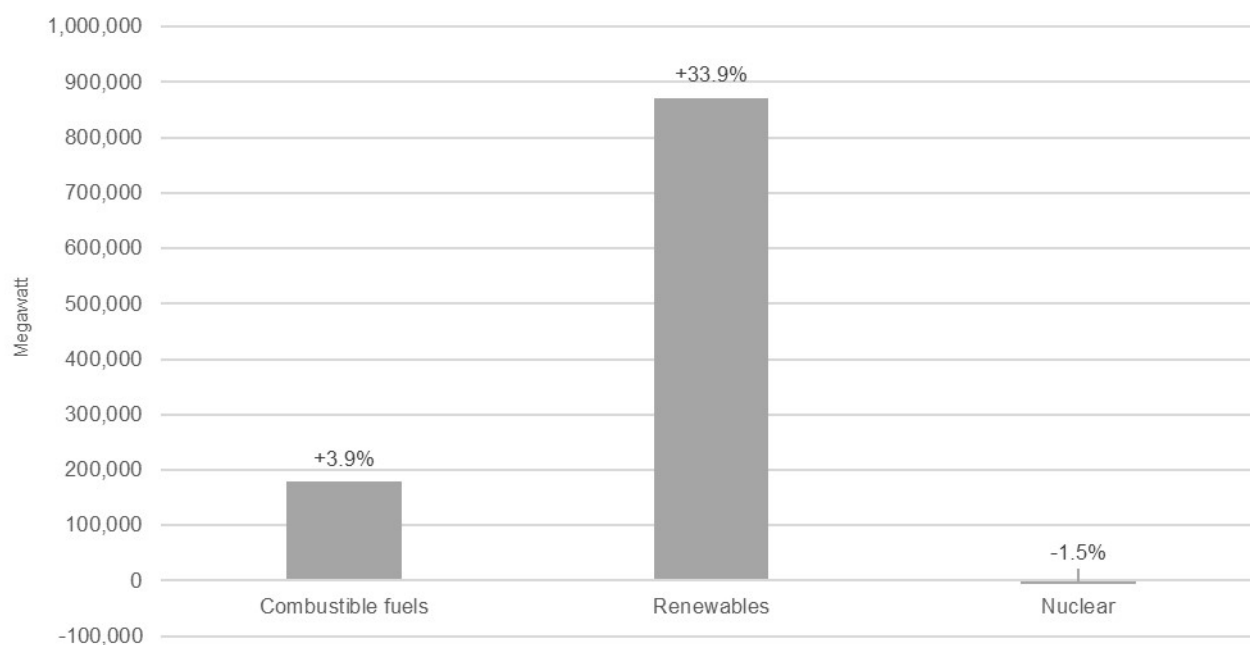
### Table Notes

Electricity capacity broken down by source, and main activity producers against autoproducers. For total producers, **Other** refers to geothermal, tide, wave, marine and other non-specified net installed capacity. For autoproducers, **Other** refers to nuclear (if any), wind, solar, geothermal, tide, wave, marine and other non-specified net installed capacity. For main activity producers, **Other** refers to wind, solar, geothermal, tide, wave, marine and other non-specified net installed capacity.

For Austria data are given in gross maximum capacity.

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 76: Change in net installed capacity of electricity generating plants\* by source, 2019-2022**



\* Renewable includes capacity from hydro, wind, solar and other sources

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Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
World	2019	7,488,656	4,518,153	1,305,775	404,155	626,115	596,955	37,502
	2020	7,846,658	4,604,299	1,325,993	401,443	737,514	734,772	42,637
	2021	8,185,234	4,670,377	1,358,182	401,663	830,712	879,965	44,335
	2022	8,531,621	4,696,277	1,385,051	397,926	905,972	1,091,787	54,607
Africa	2019	235,123	183,057	36,764	1,940	5,954	6,087	1,321
	2020	238,764	184,162	37,808	1,940	6,630	6,868	1,356
	2021	244,893	188,397	38,352	1,940	7,345	7,508	1,353
	2022	249,337	189,812	39,725	1,940	8,030	8,391	1,439
Algeria	2019	*21,653	*20,967	228	..	10	448	..
	2020	*21,634	*20,967	209	..	*10	448	..
	2021	*22,448	*21,861	129	..	10	448	..
	2022	*22,460	*21,861	129	..	10	460	..
Angola	2019	5,926	2,571	3,342	..	..	13	..
	2020	6,166	2,477	3,676	..	..	13	..
	2021	6,168	2,479	3,676	..	..	*13	..
	2022	6,733	2,718	3,729	..	..	285	..
Benin	2019	*512	*439	*66	..	..	7	..
	2020	*512	*439	*66	..	..	7	..
	2021	*512	*439	*66	..	..	7	..
	2022	*538	*439	*66	..	..	33	..
Botswana	2019	758	752	..	..	..	6	..
	2020	758	752	..	..	..	6	..
	2021	758	752	..	..	..	6	..
	2022	759	752	..	..	..	7	..
Burkina Faso	2019	554	467	32	..	..	55	..
	2020	593	505	32	..	..	55	..
	2021	620	532	32	..	..	56	..
	2022	630	534	32	..	..	64	..
Burundi	2019	108	55	48	..	..	5	..
	2020	108	55	48	..	..	5	..
	2021	112	55	48	..	..	9	..
	2022	127	55	63	..	..	9	..
Cabo Verde	2019	193	156	..	..	24	*13	..
	2020	181	144	..	..	24	*13	..
	2021	178	141	..	..	24	*13	..
	2022	191	146	..	..	24	*20	..
Cameroon	2019	1,744	*918	812	..	..	14	..
	2020	1,745	*918	812	..	..	14	..
	2021	1,757	*918	812	..	..	26	..
	2022	1,758	*918	813	..	..	26	..
Central African Rep.	2019	*44	*19	*25	..	..	0	..
	2020	*44	*19	*25	..	..	0	..
	2021	*44	*19	*25	..	..	0	..
	2022	*44	*19	*25	..	..	0	..
Chad	2019	164	162	..	..	1	1	..
	2020	164	162	..	..	1	1	..
	2021	164	162	..	..	1	1	..
	2022	165	162	..	..	1	2	..
Comoros	2019	*28	*27	1	..	..	..	..
	2020	*28	*27	1	..	..	..	..
	2021	32	27	*1	..	..	4	..
	2022	*32	*27	*1	..	..	4	..
Congo	2019	*660	*445	214	..	..	1	..
	2020	*836	*615	214	..	..	*7	..
	2021	*836	*615	214	..	..	*7	..
	2022	*836	*615	214	..	..	*7	..

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Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
676,418	488,433	18,782	169,203	6,812,237	4,029,719	1,286,994	404,155	1,091,369
694,913	476,897	19,116	198,900	7,151,746	4,127,403	1,306,877	401,443	1,316,023
748,513	480,337	20,128	248,048	7,436,721	4,190,040	1,338,054	401,663	1,506,964
815,951	489,483	20,768	305,699	7,715,670	4,206,793	1,364,283	397,926	1,746,668
28,157	22,302	259	5,596	206,966	160,755	36,505	1,940	7,766
28,344	22,225	259	5,860	210,420	161,937	37,549	1,940	8,994
28,910	22,196	264	6,450	215,983	166,200	38,087	1,940	9,755
29,476	22,292	314	6,870	219,861	167,521	39,410	1,940	10,990
*6,567	*6,567	..	..	*15,086	*14,400	228	..	458
*6,567	*6,567	..	..	*15,067	*14,400	209	..	458
*6,265	*6,265	..	..	*16,183	*15,596	129	..	458
*6,265	*6,265	..	..	*16,195	*15,596	129	..	470
*300	*300	..	..	5,626	2,271	3,342	..	13
*310	*310	..	..	5,856	2,167	3,676	..	13
*310	*310	..	..	5,858	2,169	3,676	..	*13
*310	*310	..	..	6,423	2,408	3,729	..	285
*47	*45	..	2	*465	*394	*66	..	5
*47	*45	..	2	*465	*394	*66	..	5
*47	*45	..	*2	*465	*394	*66	..	5
*52	*45	..	7	*486	*394	*66	..	26
*20	*20	..	..	738	732	..	..	6
*20	*20	..	..	738	732	..	..	6
*20	*20	..	..	738	732	..	..	6
20	20	..	..	739	732	..	..	7
*172	*172	..	..	382	295	32	..	55
*154	*154	..	..	438	351	32	..	55
*181	*181	..	..	439	351	32	..	56
*184	*184	..	..	446	350	32	..	64
4	4	..	..	104	51	48	..	5
4	4	..	..	104	51	48	..	5
4	4	..	..	108	51	48	..	9
4	4	..	..	123	51	63	..	9
*1	*1	..	..	192	155	..	..	37
*1	*1	..	..	180	143	..	..	37
*1	*1	..	..	178	140	..	..	37
*1	*1	..	..	190	146	..	..	44
*650	*650	..	..	1,094	268	812	..	14
*650	*650	..	..	1,095	268	812	..	14
*650	*650	..	..	1,107	268	812	..	26
*650	*650	..	..	1,108	268	813	..	26
..	..	..	..	*44	*19	*25	..	0
..	..	..	..	*44	*19	*25	..	0
..	..	..	..	*44	*19	*25	..	0
..	..	..	..	*44	*19	*25	..	0
..	..	..	..	164	162	..	..	2
..	..	..	..	164	162	..	..	2
..	..	..	..	164	162	..	..	2
..	..	..	..	165	162	..	..	3
1	..	1	..	*27	*27	..	..	..
1	..	1	..	*27	*27	..	..	..
*1	..	*1	..	31	27	..	..	4
*1	..	*1	..	*31	*27	..	..	4
*404	*404	..	..	256	*41	214	..	1
*574	*574	..	..	262	*41	214	..	*7
*574	*574	..	..	262	*41	214	..	*7
*574	*574	..	..	262	*41	214	..	*7

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Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Côte d'Ivoire	2019	2,210	1,323	879	..	..	8	..
	2020	2,222	1,335	879	..	..	8	..
	2021	2,277	1,390	879	..	..	8	..
	2022	2,557	1,669	879	..	..	9	..
Dem. Rep. of the Congo	2019	2,610	32	2,577	..	..	*1	..
	2020	2,820	32	2,787	..	..	1	..
	2021	*2,973	*32	*2,939	..	..	1	..
	2022	*2,987	*32	*2,953	..	..	2	..
Djibouti	2019	130	130	..	..	..	0	..
	2020	130	130	..	..	..	0	..
	2021	*150	*130	..	..	20	0	..
	2022	*150	*130	..	..	20	0	..
Egypt	2019	58,353	53,394	2,832	..	1,127	1,000	..
	2020	59,530	53,802	2,832	..	1,385	1,511	..
	2021	58,819	52,971	2,832	..	1,385	1,631	..
	2022	61,914	55,818	2,832	..	1,633	1,631	..
Equatorial Guinea	2019	*554	*222	*327	..	..	*5	..
	2020	*554	*222	*327	..	..	*5	..
	2021	*554	*222	*327	..	..	*5	..
	2022	*554	*222	*327	..	..	*5	..
Eritrea	2019	*226	*205	..	..	1	20	..
	2020	*230	*207	..	..	1	22	..
	2021	242	217	..	..	1	24	..
	2022	243	217	..	..	1	25	..
Eswatini	2019	173	109	62	..	..	*2	..
	2020	*171	*107	62	..	..	*2	..
	2021	*182	*108	62	..	..	12	..
	2022	180	106	62	..	..	12	..
Ethiopia	2019	4,293	134	3,817	..	324	11	7
	2020	4,556	*134	4,071	..	324	20	7
	2021	4,564	*140	4,071	..	324	21	7
	2022	5,389	*135	4,821	..	404	21	7
Gabon	2019	*784	*451	332	..	..	*1	..
	2020	*784	*451	332	..	..	*1	..
	2021	*784	*451	332	..	..	*1	..
	2022	*786	*451	334	..	..	*1	..
Gambia	2019	*137	*134	..	..	1	3	..
	2020	142	138	..	..	*1	3	..
	2021	*162	*158	..	..	*1	3	..
	2022	*162	*158	..	..	1	3	..
Ghana	2019	5,382	3,759	1,580	..	..	43	0
	2020	5,288	3,649	1,580	..	..	59	0
	2021	5,449	3,753	1,584	..	..	112	0
	2022	5,454	3,758	1,584	..	..	112	0
Guinea	2019	534	198	336	..	..	..	..
	2020	863	320	543	..	..	..	..
	2021	952	292	660	..	..	..	..
	2022	1,045	445	600	..	..	..	..
Guinea-Bissau	2019	*45	*40	..	..	..	*5	..
	2020	*46	*40	..	..	..	*6	..
	2021	*47	*40	..	..	..	*7	..
	2022	*48	*40	..	..	..	*8	..
Kenya	2019	3,155	1,113	826	..	336	51	828
	2020	3,173	1,087	834	..	336	53	863
	2021	3,331	1,016	843	..	436	173	863
	2022	3,462	1,020	844	..	436	213	950

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Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
*23	*23	..	..	2,187	1,300	879	..	8
*23	*23	..	..	2,199	1,312	879	..	8
*23	*23	..	..	2,254	1,367	879	..	8
*23	*23	..	..	2,534	1,646	879	..	9
..	..	..	..	2,610	32	2,577	..	*1
..	..	..	..	2,820	32	2,787	..	1
..	..	..	..	*2,973	*32	*2,939	..	1
..	..	..	..	*2,987	*32	*2,953	..	2
..	..	..	..	130	130	..	..	0
..	..	..	..	130	130	..	..	0
..	..	..	..	*150	*130	..	..	20
..	..	..	..	*150	*130	..	..	20
2,048	2,048	..	..	56,305	51,346	2,832	..	2,127
2,048	2,048	..	..	57,482	51,754	2,832	..	2,896
2,048	2,048	..	..	56,771	50,923	2,832	..	3,016
2,048	2,048	..	..	59,866	53,770	2,832	..	3,264
..	..	..	..	*554	*222	*327	..	*5
..	..	..	..	*554	*222	*327	..	*5
..	..	..	..	*554	*222	*327	..	*5
..	..	..	..	*554	*222	*327	..	*5
*10	*10	..	..	*216	*195	..	..	21
*12	*12	..	..	*218	*195	..	..	23
*12	*12	..	..	230	205	..	..	25
*12	*12	..	..	231	205	..	..	26
112	109	*1	*2	61	..	61	..	..
*110	*107	*1	*2	61	..	61	..	..
*111	*108	*1	*2	71	..	61	..	10
109	106	*1	*2	71	..	61	..	10
30	30	..	..	4,263	104	3,817	..	342
30	30	..	..	4,526	*104	4,071	..	351
25	25	..	..	4,539	*115	4,071	..	352
25	25	..	..	5,364	*110	4,821	..	432
*88	*85	*2	*1	*696	*366	330	..	..
*88	*85	*2	*1	*696	*366	330	..	..
*88	*85	*2	*1	*696	*366	330	..	..
*88	*85	*2	*1	*698	*366	332	..	..
*36	*36	..	..	*102	*98	..	..	4
*36	*36	..	..	106	102	..	..	4
*36	*36	..	..	*126	*122	..	..	4
*36	*36	..	..	*126	*122	..	..	4
*210	*210	..	..	5,172	3,549	1,580	..	43
..	..	..	..	5,288	3,649	1,580	..	59
..	..	..	..	5,449	3,753	1,584	..	112
..	..	..	..	5,454	3,758	1,584	..	112
..	..	..	..	534	198	336	..	..
..	..	..	..	863	320	543	..	..
..	..	..	..	952	292	660	..	..
..	..	..	..	1,045	445	600	..	..
*5	*5	..	..	*40	*35	..	..	*5
*5	*5	..	..	*41	*35	..	..	*6
*5	*5	..	..	*42	*35	..	..	*7
*5	*5	..	..	*43	*35	..	..	*8
364	364	..	..	2,791	749	826	..	1,216
338	338	..	..	2,835	749	834	..	1,252
*343	*338	*5	..	2,988	678	838	..	1,472
*343	*338	*5	..	3,119	682	839	..	1,599

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Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Lesotho	2019	75	1	74	..	..	0	..
	2020	75	1	74	..	..	0	..
	2021	75	1	74	..	..	0	..
	2022	76	1	74	..	..	1	..
Liberia	2019	*195	*100	*92	..	..	*3	..
	2020	185	*102	80	..	..	*3	..
	2021	161	*98	60	..	..	*3	..
	2022	166	*103	60	..	..	*3	..
Libya	2019	10,516	10,511	..	..	..	5	..
	2020	*10,516	*10,511	..	..	..	5	..
	2021	*10,517	*10,511	..	..	..	6	..
	2022	*11,002	*10,996	..	..	..	6	..
Madagascar	2019	595	407	165	..	0	23	..
	2020	*653	*465	164	..	0	24	..
	2021	*699	*511	164	..	0	24	..
	2022	*758	*515	192	..	0	51	..
Malawi	2019	719	*263	376	..	..	80	..
	2020	747	*263	403	..	..	*80	..
	2021	728	*263	403	..	..	61	..
	2022	*752	*263	*407	..	..	81	..
Mali	2019	*1,100	629	*450	..	..	21	..
	2020	*1,154	629	*453	..	..	71	..
	2021	*1,154	629	*453	..	..	71	..
	2022	*1,295	*675	*523	..	..	97	..
Mauritania	2019	*608	*486	..	..	34	*88	..
	2020	*626	*504	..	..	34	*88	..
	2021	*626	*504	..	..	34	*88	..
	2022	*626	*504	..	..	34	*88	..
Mauritius	2019	844	681	60	..	11	89	3
	2020	862	681	61	..	11	106	3
	2021	863	684	61	..	11	108	..
	2022	866	684	61	..	11	111	..
Morocco	2019	14,412	10,276	1,770	..	1,248	711	*407
	2020	14,432	10,046	1,770	..	1,458	751	*407
	2021	*14,548	*10,046	1,770	..	1,471	854	*407
	2022	*14,635	*10,046	1,770	..	1,558	854	*407
Mozambique	2019	2,789	*490	2,204	..	..	95	..
	2020	2,789	*490	2,204	..	..	95	..
	2021	2,776	*490	2,191	..	..	*95	..
	2022	2,789	*490	2,191	..	..	108	..
Namibia	2019	600	113	347	..	5	135	..
	2020	616	113	347	..	5	151	..
	2021	628	120	351	..	5	151	..
	2022	643	144	347	..	5	147	..
Niger	2019	*324	*297	..	..	..	27	..
	2020	*324	*297	..	..	..	27	..
	2021	*325	*297	..	..	..	*27	..
	2022	*347	*297	..	..	..	50	..
Nigeria	2019	11,730	9,539	2,151	..	3	37	..
	2020	12,108	9,862	2,191	..	*3	53	..
	2021	13,370	11,103	2,191	..	*3	73	..
	2022	*13,417	*11,121	2,191	..	*3	102	..
Rwanda	2019	228	122	95	..	..	12	..
	2020	238	122	105	..	..	12	..
	2021	*239	*122	*105	..	..	*12	..
	2022	277	143	122	..	..	12	..

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Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
..	..	..	..	75	1	74	..	0
..	..	..	..	75	1	74	..	0
..	..	..	..	75	1	74	..	0
..	..	..	..	76	1	74	..	1
*73	*70	..	*3	*122	*30	*92	..	..
*73	*70	..	*3	112	32	80	..	..
*73	*70	..	*3	88	28	60	..	0
*73	*70	..	*3	93	33	60	..	0
..	..	..	..	10,516	10,511	..	..	5
..	..	..	..	*10,516	*10,511	..	..	5
..	..	..	..	*10,517	*10,511	..	..	6
..	..	..	..	*11,002	*10,996	..	..	6
*106	*106	..	..	489	301	165	..	23
*102	*102	..	..	*551	*363	164	..	24
*103	*103	..	..	*596	*408	164	..	24
*105	*105	..	..	*653	*410	192	..	51
*215	*210	*5	..	504	53	371	..	80
*215	*210	*5	..	532	53	398	..	*80
*215	*210	*5	..	513	53	398	..	61
*215	*210	*5	..	*537	53	*402	..	81
*279	*260	..	19	*821	369	*450	..	2
*279	*260	..	*19	*874	369	*453	..	52
*279	*260	..	*19	*874	369	*453	..	52
*347	*306	..	41	*948	*369	*523	..	56
*97	*90	..	7	*511	*396	..	..	*115
*102	*95	..	7	*524	*409	..	..	*115
*102	*95	..	7	*524	*409	..	..	*115
*102	*95	..	7	*524	*409	..	..	*115
329	230	..	98	516	450	60	..	5
346	230	..	116	516	450	61	..	5
346	234	..	112	517	450	61	..	7
349	234	..	115	517	450	61	..	7
*3,728	*3,300	..	*428	10,684	6,976	1,770	..	1,938
*3,728	*3,300	..	*428	10,704	6,746	1,770	..	2,188
*3,728	*3,300	..	*428	*10,820	*6,746	1,770	..	2,304
*3,728	*3,300	..	*428	*10,907	*6,746	1,770	..	2,391
*50	*50	..	..	2,739	*440	2,204	..	95
*50	*50	..	..	2,739	*440	2,204	..	95
*50	*50	..	..	2,726	*440	2,191	..	*95
*50	*50	..	..	2,739	*440	2,191	..	108
..	..	..	..	600	113	347	..	140
..	..	..	..	616	113	347	..	157
..	..	..	..	628	120	351	..	157
..	..	..	..	643	144	347	..	152
*80	*53	..	27	*244	*244	..	..	..
*80	*53	..	27	*244	*244	..	..	..
*81	*53	..	*27	*244	*244	..	..	..
*103	*53	..	50	*244	*244	..	..	..
*3,260	*3,180	*40	40	8,470	6,359	2,111	..	..
*3,276	*3,180	*40	56	8,833	6,682	2,151	..	..
*3,448	*3,332	*40	76	9,922	7,771	2,151	..	..
*3,495	*3,350	*40	105	*9,922	*7,771	2,151	..	..
*1	*1	..	..	227	121	95	..	12
*1	*1	..	..	237	121	105	..	12
*1	*1	..	..	*238	*121	*105	..	*12
*1	*1	..	..	276	142	122	..	12

Table 31

## Net installed capacity of electricity plants by type

Megawatts

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Sao Tome and Principe	2019	*29	*26	2	..	..	0	..
	2020	40	37	2	..	..	0	..
	2021	40	37	*2	..	..	0	..
	2022	40	37	*2	..	..	*1	..
Senegal	2019	1,358	1,024	..	..	149	*110	*75
	2020	1,423	1,082	..	..	159	*108	*75
	2021	1,589	1,189	..	..	159	*166	*75
	2022	1,653	1,244	..	..	159	*175	*75
Seychelles	2019	*157	*147	..	..	6	4	..
	2020	143	133	..	..	6	4	..
	2021	152	133	..	..	6	12	..
	2022	153	133	..	..	6	13	..
Sierra Leone	2019	143	78	61	..	..	4	..
	2020	99	*34	61	..	..	4	..
	2021	99	*34	61	..	..	4	..
	2022	*213	*143	61	..	..	9	..
Somalia	2019	400	385	..	..	8	7	..
	2020	415	389	..	..	11	16	..
	2021	429	400	..	..	13	17	..
	2022	445	403	..	..	*15	*27	..
South Africa	2019	*58,783	*48,380	*3,479	1,940	*2,423	2,561	..
	2020	*58,982	*48,380	*3,485	1,940	*2,616	2,561	..
	2021	61,962	50,780	*3,485	1,940	*3,196	*2,561	..
	2022	59,168	47,709	*3,485	1,940	*3,473	*2,561	..
South Sudan	2019	*133	*120	*3	..	..	*10	..
	2020	*133	*120	*3	..	..	*10	..
	2021	*135	*120	*3	..	..	*12	..
	2022	*145	*121	*3	..	..	*21	..
St. Helena and Depend.	2019	12	8	..	..	*3	*2	..
	2020	12	8	..	..	*3	*2	..
	2021	10	5	..	..	3	*2	..
	2022	10	5	..	..	3	*2	..
Sudan	2019	4,127	2,134	1,913	..	..	80	..
	2020	4,134	2,134	1,883	..	..	117	..
	2021	4,155	2,134	1,885	..	..	136	..
	2022	4,209	2,134	1,885	..	..	190	..
Togo	2019	230	158	67	..	..	5	..
	2020	*259	*185	67	..	..	7	..
	2021	*317	*193	67	..	..	57	..
	2022	*358	*225	67	..	..	*66	..
Tunisia	2019	5,926	5,539	62	..	240	85	..
	2020	6,237	5,820	62	..	240	115	..
	2021	6,288	5,822	62	..	240	164	..
	2022	6,604	5,888	62	..	230	424	..
Uganda	2019	1,255	199	1,004	..	..	52	..
	2020	1,270	197	1,011	..	..	62	..
	2021	1,349	214	1,074	..	..	62	..
	2022	1,387	228	1,095	..	..	64	..
United Rep. of Tanzania	2019	1,530	931	574	..	..	26	..
	2020	*1,608	*1,000	574	..	2	*32	..
	2021	*1,738	*1,126	575	..	2	34	..
	2022	*1,815	*1,202	575	..	2	36	..
Zambia	2019	3,016	528	2,399	..	..	89	..
	2020	3,046	558	2,399	..	..	89	..
	2021	3,436	645	2,703	..	..	89	..
	2022	3,897	645	3,163	..	..	89	..



Table 31

## Net installed capacity of electricity plants by type

Megawatts

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
..	..	..	..	*29	*26	2	..	0
..	..	..	..	40	37	2	..	0
..	..	..	..	40	37	*2	..	0
..	..	..	..	40	37	*2	..	*1
405	330	..	*75	953	694	..	..	259
*405	*330	..	*75	1,018	752	..	..	267
*405	*330	..	*75	1,184	859	..	..	*325
*405	*330	..	*75	1,248	914	..	..	*334
*29	*29	..	..	*128	*118	..	..	10
*29	*29	..	..	114	104	..	..	10
*29	*29	..	..	123	104	..	..	18
*29	*29	..	..	124	104	..	..	19
2	2	..	..	141	76	61	..	4
2	2	..	..	97	*32	61	..	4
*2	*2	..	..	97	*32	61	..	4
*2	*2	..	..	*211	*141	61	..	9
*100	*100	..	..	300	285	..	..	15
*100	*100	..	..	315	289	..	..	26
*100	*100	..	..	329	300	..	..	29
*100	*100	..	..	345	303	..	..	*42
*7,245	*2,400	*61	4,784	*51,538	*45,980	*3,418	1,940	*200
*7,438	*2,400	*61	4,977	*51,544	*45,980	*3,424	1,940	*200
*7,918	*2,400	*61	*5,457	54,044	48,380	*3,424	1,940	*300
*8,185	*2,400	*61	*5,724	50,983	45,309	*3,424	1,940	*310
*43	*40	..	*3	*90	*80	*3	..	*7
*43	*40	..	*3	*90	*80	*3	..	*7
*45	*40	..	*5	*90	*80	*3	..	*7
*55	*41	..	*14	*90	*80	*3	..	*7
..	..	..	..	12	8	..	..	*4
..	..	..	..	12	8	..	..	*4
..	..	..	..	10	5	..	..	4
..	..	..	..	10	5	..	..	4
*199	*199	..	..	3,928	1,935	1,913	..	80
*199	*199	..	..	3,935	1,935	1,883	..	117
*199	*199	..	..	3,956	1,935	1,885	..	136
199	199	..	..	4,010	1,935	1,885	..	190
*13	*8	..	5	217	150	67	..	..
*15	*8	..	7	*244	*177	67	..	..
65	*8	..	57	*252	*185	67	..	..
*74	*8	..	*66	*284	*217	67	..	..
*273	*198	..	75	5,653	5,341	62	..	250
*303	*198	..	105	5,934	5,622	62	..	250
*344	*200	..	144	5,944	5,622	62	..	260
*394	*200	..	194	6,210	5,688	62	..	460
248	97	149	*1	1,007	102	855	..	51
246	96	149	1	1,023	101	862	..	61
246	96	149	1	1,103	118	925	..	61
313	112	199	2	1,074	116	896	..	62
*212	*186	..	26	1,318	745	574	..	..
*214	*182	..	*32	*1,394	*818	574	..	2
222	188	..	34	*1,515	*938	575	..	2
236	201	..	36	*1,579	*1,002	575	..	2
*34	*34	..	..	2,981	494	2,399	..	89
*34	*34	..	..	3,011	524	2,399	..	89
*120	*120	..	..	3,316	525	2,703	..	89
*120	*120	..	..	3,777	525	3,163	..	89

Table 31

## Net installed capacity of electricity plants by type

Megawatts

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Zimbabwe	2019	*2,357	*1,265	1,080	..	..	12	..
	2020	*2,359	*1,265	1,080	..	..	14	..
	2021	*2,373	*1,265	1,080	..	..	28	..
	2022	*2,386	*1,265	1,080	..	..	41	..
Asia	2019	3,907,021	2,545,284	599,082	118,583	269,263	353,346	21,465
	2020	4,191,875	2,640,444	616,853	121,463	346,176	440,150	26,790
	2021	4,421,607	2,700,394	642,936	124,988	403,712	521,573	28,004
	2022	4,663,425	2,753,106	667,702	130,048	443,712	646,343	22,513
Afghanistan	2019	*550	*135	*384	..	..	31	..
	2020	*550	*135	*384	..	..	31	..
	2021	*558	*135	*392	..	..	31	..
	2022	*662	*135	*494	..	..	33	..
Armenia	2019	3,621	1,827	1,340	408	4	43	..
	2020	3,687	1,832	1,350	408	4	94	..
	2021	4,070	2,086	1,345	448	4	187	..
	2022	3,996	1,786	1,358	448	3	402	..
Azerbaijan	2019	7,639	6,395	1,145	..	66	33	..
	2020	7,622	6,371	1,149	..	66	35	..
	2021	7,965	6,694	1,157	..	66	48	..
	2022	7,977	6,697	1,165	..	64	51	..
Bahrain	2019	*6,980	*6,970	..	..	..	10	..
	2020	*6,980	*6,970	..	..	..	10	..
	2021	*7,996	*7,970	..	..	1	25	..
	2022	8,140	8,094	..	..	2	44	..
Bangladesh	2019	18,054	17,541	230	..	3	280	..
	2020	19,531	18,955	230	..	3	343	..
	2021	21,252	20,512	230	..	4	506	..
	2022	*21,558	*20,865	230	..	*4	459	..
Bhutan	2019	2,342	7	2,334	..	1	0	..
	2020	2,343	8	2,334	..	1	0	..
	2021	2,335	8	2,326	..	1	0	..
	2022	2,335	8	2,326	..	1	0	..
Brunei Darussalam	2019	1,109	1,108	..	..	..	1	..
	2020	*1,127	*1,126	..	..	..	1	..
	2021	1,138	1,133	..	..	..	*5	..
	2022	1,138	1,133	..	..	..	*5	..
Cambodia	2019	2,443	1,007	1,330	..	..	105	..
	2020	2,991	1,365	1,330	..	..	297	..
	2021	3,033	1,325	1,332	..	..	377	..
	2022	3,464	1,351	1,676	..	..	437	..
China	2019	2,065,020	1,244,540	358,040	48,740	209,150	204,180	370
	2020	2,258,630	1,302,840	370,280	49,890	281,650	253,560	410
	2021	2,427,780	1,347,390	390,920	53,260	328,710	306,560	940
	2022	2,609,470	1,382,390	413,500	55,530	365,440	392,610	..
China, Hong Kong SAR	2019	12,225	12,225	..	..	..	..	..
	2020	13,129	13,129	..	..	..	..	..
	2021	13,240	13,240	..	..	..	..	..
	2022	13,274	13,274	..	..	..	..	..
China, Macao SAR	2019	397	397	..	..	..	0	..
	2020	397	397	..	..	..	0	..
	2021	397	397	..	..	..	0	..
	2022	397	397	..	..	..	0	..
Cyprus	2019	1,819	1,510	..	..	158	151	..
	2020	1,897	1,510	..	..	158	229	..
	2021	1,983	1,511	..	..	158	315	..
	2022	2,085	1,504	..	..	158	424	..

Table 31

## Net installed capacity of electricity plants by type

Megawatts

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
*45	*45	..	..	*2,312	*1,220	1,080	..	12
*45	*45	..	..	*2,314	*1,220	1,080	..	14
*45	*45	..	..	*2,328	*1,220	1,080	..	28
*45	*45	..	..	*2,341	*1,220	1,080	..	41
<b>368,177</b>	<b>284,920</b>	<b>3,447</b>	<b>79,811</b>	<b>3,538,844</b>	<b>2,260,364</b>	<b>595,634</b>	<b>118,583</b>	<b>564,263</b>
<b>365,181</b>	<b>270,910</b>	<b>3,518</b>	<b>90,753</b>	<b>3,826,694</b>	<b>2,369,534</b>	<b>613,335</b>	<b>121,463</b>	<b>722,363</b>
<b>373,516</b>	<b>267,020</b>	<b>4,590</b>	<b>101,906</b>	<b>4,048,091</b>	<b>2,433,375</b>	<b>638,345</b>	<b>124,988</b>	<b>851,382</b>
<b>389,673</b>	<b>270,687</b>	<b>4,736</b>	<b>114,250</b>	<b>4,273,751</b>	<b>2,482,419</b>	<b>662,967</b>	<b>130,048</b>	<b>998,318</b>
*214	*65	*130	19	*336	*70	*254	..	12
*214	*65	*130	19	*336	*70	*254	..	12
*214	*65	*130	19	*344	*70	*262	..	12
*216	*65	*130	21	*446	*70	*364	..	12
33	..	..	33	3,588	1,827	1,340	408	14
77	..	..	77	3,610	1,832	1,350	408	21
136	..	..	136	3,934	2,086	1,345	448	55
197	..	..	197	3,799	1,786	1,358	448	208
818	818	..	0	6,821	5,578	1,145	..	99
795	794	1	0	6,827	5,578	1,149	..	101
737	732	1	4	7,229	5,962	1,156	..	110
740	735	1	4	7,237	5,962	1,164	..	111
*3,060	*3,050	..	10	*3,920	*3,920	..	..	..
*3,060	*3,050	..	10	*3,920	*3,920	..	..	..
*3,072	*3,050	..	22	*4,924	*4,920	..	..	4
*3,091	*3,050	..	41	5,049	5,044	..	..	5
6,503	6,503	..	..	11,551	11,038	230	..	283
7,332	7,332	..	..	12,199	11,623	230	..	346
8,141	8,141	..	..	13,111	12,371	230	..	510
8,494	8,494	..	..	*13,064	*12,371	230	..	463
..	..	..	..	2,342	7	2,334	..	1
..	..	..	..	2,343	8	2,334	..	1
..	..	..	..	2,335	8	2,326	..	1
..	..	..	..	2,335	8	2,326	..	1
*234	*234	..	..	875	874	..	..	1
*234	*234	..	..	*893	*892	..	..	1
*238	*234	..	*4	900	899	..	..	1
*238	*234	..	*4	900	899	..	..	1
..	..	..	..	2,443	1,007	1,330	..	105
..	..	..	..	2,991	1,365	1,330	..	297
..	..	..	..	3,033	1,325	1,332	..	377
..	..	..	..	3,464	1,351	1,676	..	437
54,970	54,970	..	..	2,010,050	1,189,570	358,040	48,740	413,700
56,600	56,600	..	..	2,202,030	1,246,240	370,280	49,890	535,620
*50,000	*50,000	..	..	2,377,780	1,297,390	390,920	53,260	636,210
*50,000	*50,000	..	..	2,559,470	1,332,390	413,500	55,530	758,050
..	..	..	..	12,225	12,225	..	..	..
..	..	..	..	13,129	13,129	..	..	..
..	..	..	..	13,240	13,240	..	..	..
..	..	..	..	13,274	13,274	..	..	..
29	29	..	0	368	368	..	..	..
29	29	..	0	368	368	..	..	..
29	29	..	0	368	368	..	..	..
29	29	..	0	368	368	..	..	..
93	30	..	63	1,726	1,481	..	..	246
122	30	..	92	1,775	1,481	..	..	295
157	30	..	126	1,826	1,480	..	..	346
203	23	..	180	1,882	1,480	..	..	402

Table 31

## Net installed capacity of electricity plants by type

Megawatts

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Georgia	2019	3,712	1,108	2,583	..	21	..	..
	2020	3,739	990	2,727	..	21	..	..
	2021	3,989	1,001	2,967	..	21	..	..
	2022	4,189	1,126	3,042	..	21	..	..
India	2019	442,320	305,307	45,830	6,780	40,490	33,912	10,001
	2020	458,430	307,076	46,341	6,780	*42,808	*40,315	*15,110
	2021	472,397	305,746	46,858	6,780	*46,633	*50,795	*15,585
	2022	487,554	309,169	46,990	6,780	*47,033	*66,780	*10,802
Indonesia	2019	65,097	57,079	5,617	..	*154	*118	2,129
	2020	65,491	57,225	5,717	..	*155	*119	2,275
	2021	73,149	63,166	6,465	..	*155	*186	3,177
	2022	73,599	63,493	6,572	..	*155	203	3,177
Iran (Islamic Rep. of)	2019	80,467	66,752	12,026	1,020	302	367	..
	2020	83,506	69,590	12,192	1,020	*303	*402	..
	2021	85,432	71,449	12,193	1,020	*310	*459	..
	2022	95,004	81,600	11,503	1,020	342	539	..
Iraq	2019	27,234	25,400	1,797	..	..	37	..
	2020	*27,234	*25,400	1,797	..	..	37	..
	2021	*27,234	*25,400	1,797	..	..	37	..
	2022	*27,239	*25,400	1,797	..	..	42	..
Israel	2019	19,239	16,837	9	..	*135	2,257	..
	2020	20,106	16,982	309	..	*135	2,680	..
	2021	21,458	17,437	309	..	*121	3,591	..
	2022	22,552	17,173	309	..	*203	4,868	..
Japan	2019	355,932	195,898	50,033	33,083	3,951	70,166	*2,801
	2020	369,759	198,255	50,033	33,083	4,119	81,705	*2,564
	2021	375,637	195,455	49,929	33,083	4,262	90,214	*2,695
	2022	385,317	195,944	50,008	33,083	4,483	99,262	*2,537
Jordan	2019	5,269	3,796	6	..	370	1,097	..
	2020	6,561	4,250	6	..	518	*1,787	..
	2021	6,811	4,247	4	..	622	*1,938	..
	2022	*6,791	*4,208	4	..	621	*1,958	..
Kazakhstan	2019	24,827	20,281	2,778	..	284	1,485	..
	2020	25,976	20,652	2,785	..	486	2,054	..
	2021	26,803	21,956	*2,806	..	672	1,369	..
	2022	27,370	21,961	*2,808	..	1,120	1,481	..
Korea, Dem. Ppl's. Rep.	2019	8,192	3,360	4,790	..	1	42	..
	2020	8,267	*3,360	4,865	..	1	42	..
	2021	8,278	*3,360	4,865	..	1	52	..
	2022	8,278	*3,360	4,865	..	1	52	..
Korea, Republic of	2019	132,898	88,174	6,509	23,250	1,494	12,745	725
	2020	139,181	89,555	6,507	23,250	1,645	17,357	866
	2021	143,787	90,109	6,521	23,250	1,709	21,199	998
	2022	148,729	90,109	6,513	24,650	1,946	24,370	1,141
Kuwait	2019	18,779	18,723	..	..	12	43	..
	2020	20,209	20,153	..	..	12	43	..
	2021	20,236	20,180	..	..	12	43	..
	2022	20,225	20,180	..	..	12	33	..
Kyrgyzstan	2019	3,869	734	3,135	..	..	..	..
	2020	3,869	734	3,135	..	..	..	..
	2021	3,869	734	3,135	..	..	..	..
	2022	3,869	734	3,135	..	..	..	..
Lao People's Dem. Rep.	2019	8,026	*1,909	6,083	..	..	34	..
	2020	10,021	*2,600	7,376	..	..	45	..
	2021	11,667	*2,817	8,791	..	..	59	..
	2022	12,340	*2,800	9,481	..	..	59	..

Table 31

## Net installed capacity of electricity plants by type

Megawatts

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
..	..	..	..	3,712	1,108	2,583	..	21
..	..	..	..	3,739	990	2,727	..	21
..	..	..	..	3,989	1,001	2,967	..	21
..	..	..	..	4,189	1,126	3,042	..	21
78,023	74,707	131	*3,185	364,297	230,600	45,699	6,780	81,218
76,279	72,348	132	*3,799	382,151	234,728	46,209	6,780	*94,434
74,342	69,637	135	*4,570	398,055	236,109	46,723	6,780	*108,443
76,840	71,900	140	*4,800	410,714	237,269	46,850	6,780	*119,815
12,480	12,056	170	*254	52,616	45,022	5,447	..	2,147
12,453	11,993	204	*256	53,039	45,231	5,513	..	2,294
14,700	13,943	501	*256	58,450	49,223	5,964	..	3,263
15,116	14,300	560	*256	58,484	49,193	6,012	..	3,279
*6,000	*6,000	..	..	74,467	60,752	12,026	1,020	669
*6,000	*6,000	..	..	77,506	63,590	12,192	1,020	*704
*6,000	*6,000	..	..	79,432	65,449	12,193	1,020	*770
*6,000	*6,000	..	..	89,004	75,600	11,503	1,020	881
37	..	..	37	27,197	25,400	1,797	..	..
37	..	..	37	*27,197	*25,400	1,797	..	..
37	..	..	37	*27,197	*25,400	1,797	..	..
42	..	..	42	*27,197	*25,400	1,797	..	..
2,778	656	7	2,115	16,460	16,181	2	..	277
3,288	743	7	2,538	16,818	16,239	302	..	277
4,203	748	7	3,449	17,255	16,690	302	..	263
5,564	751	7	4,806	16,989	16,422	302	..	265
86,215	24,654	398	61,162	269,718	171,244	49,635	33,083	15,756
95,588	25,128	398	70,063	274,171	173,127	49,635	33,083	18,325
101,372	24,403	396	76,572	274,265	171,052	49,532	33,083	20,598
108,089	25,188	395	82,507	277,227	170,756	49,613	33,083	23,775
710	*250	..	460	4,559	3,546	6	..	1,007
*1,150	*250	..	*900	5,411	4,000	6	..	1,405
*1,270	*270	..	*1,000	5,541	3,977	4	..	1,560
*1,270	*270	..	*1,000	*5,521	*3,938	4	..	1,579
*537	*202	..	*335	24,291	20,079	2,778	..	1,434
*908	*573	..	*335	25,068	20,079	2,785	..	2,205
*3,847	*2,500	*1,000	*347	22,956	19,456	*1,806	..	1,694
*3,847	*2,500	*1,000	*347	23,523	19,461	*1,808	..	2,254
..	..	..	..	8,192	3,360	4,790	..	42
..	..	..	..	8,267	*3,360	4,865	..	42
..	..	..	..	8,278	*3,360	4,865	..	53
..	..	..	..	8,278	*3,360	4,865	..	53
10,054	7,963	..	2,091	122,844	80,211	6,509	23,250	12,873
10,428	7,963	..	2,465	128,753	81,592	6,507	23,250	17,403
10,843	7,963	..	2,880	132,944	82,146	6,521	23,250	21,027
11,301	7,963	..	3,337	137,428	82,146	6,513	24,650	24,119
..	..	..	..	18,779	18,723	..	..	56
..	..	..	..	20,209	20,153	..	..	56
..	..	..	..	20,236	20,180	..	..	56
..	..	..	..	20,225	20,180	..	..	45
6	6	..	..	3,863	728	3,135	..	..
*6	*6	..	..	3,863	728	3,135	..	..
*6	*6	..	..	3,863	728	3,135	..	..
6	6	..	..	3,863	728	3,135	..	..
..	..	..	..	8,026	*1,909	6,083	..	34
..	..	..	..	10,021	*2,600	7,376	..	45
..	..	..	..	11,667	*2,817	8,791	..	59
..	..	..	..	12,340	*2,800	9,481	..	59

Table 31

## Net installed capacity of electricity plants by type

Megawatts

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Lebanon	2019	3,773	3,409	282	..	3	79	..
	2020	*3,773	*3,409	282	..	3	79	..
	2021	*4,072	*3,600	282	..	3	187	..
	2022	5,022	3,864	282	..	3	873	..
Malaysia	2019	*34,153	*26,260	6,245	..	..	882	766
	2020	*35,863	*27,257	6,275	..	..	1,556	*775
	2021	36,985	28,168	6,190	..	..	1,860	*766
	2022	39,690	30,768	6,215	..	..	1,933	774
Maldives	2019	410	388	..	..	1	21	..
	2020	*414	*386	..	..	1	27	..
	2021	*419	*387	..	..	1	31	..
	2022	*431	*394	..	..	1	36	..
Mongolia	2019	*1,486	*1,210	31	..	156	89	..
	2020	*1,507	*1,230	31	..	156	90	..
	2021	*1,507	*1,230	31	..	156	90	..
	2022	*1,507	*1,230	31	..	156	90	..
Myanmar	2019	7,129	3,827	3,262	..	..	40	..
	2020	6,830	3,527	3,262	..	..	41	..
	2021	7,174	3,841	3,262	..	..	71	..
	2022	7,291	3,848	3,262	..	..	181	..
Nepal	2019	1,238	53	1,129	..	*14	*41	..
	2020	1,395	53	1,278	..	*14	*50	..
	2021	2,207	56	2,082	..	*14	55	..
	2022	2,699	59	2,538	..	*14	87	..
Oman	2019	11,567	11,508	..	..	50	9	..
	2020	11,960	11,798	..	..	50	112	..
	2021	11,920	11,733	..	..	49	138	..
	2022	11,571	10,867	..	..	49	655	..
Other Asia	2019	55,958	41,960	4,695	3,872	1,157	4,274	0
	2020	57,738	41,919	4,695	3,872	1,157	6,094	0
	2021	59,401	43,019	4,696	2,887	1,094	7,700	5
	2022	61,944	43,047	4,700	2,887	1,581	9,724	5
Pakistan	2019	39,885	26,800	9,858	1,430	1,242	555	..
	2020	40,606	27,127	9,912	1,770	1,242	555	..
	2021	42,166	26,316	10,733	*2,870	1,692	555	..
	2022	40,707	24,784	10,756	*2,870	1,742	555	..
Philippines	2019	26,187	19,135	3,776	..	427	921	1,928
	2020	26,899	19,713	3,795	..	443	1,019	1,928
	2021	24,639	17,893	3,532	..	427	1,034	1,753
	2022	28,259	20,605	3,745	..	427	1,530	1,952
Qatar	2019	*10,590	*10,590	..	..	..	..	..
	2020	*10,590	*10,590	..	..	..	..	..
	2021	10,576	10,576	..	..	..	..	..
	2022	10,574	10,574	..	..	..	..	..
Saudi Arabia	2019	110,085	109,972	..	..	3	109	..
	2020	113,376	113,264	..	..	3	109	..
	2021	117,425	116,632	..	..	403	389	..
	2022	*117,425	*116,632	..	..	403	390	..
Singapore	2019	12,859	12,587	..	..	..	272	..
	2020	12,320	11,987	..	..	..	333	..
	2021	12,474	11,987	..	..	..	487	..
	2022	12,621	11,987	..	..	..	634	..
Sri Lanka	2019	*4,517	*2,432	1,809	..	128	*147	..
	2020	4,549	2,452	1,793	..	*130	*174	..
	2021	4,909	2,614	1,799	..	*135	*361	..
	2022	*5,364	*2,618	*1,883	..	148	*714	..

Table 31

## Net installed capacity of electricity plants by type

Megawatts

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
*1,179	*1,100	..	79	2,594	2,309	282	..	3
*1,179	*1,100	..	79	*2,594	*2,309	282	..	3
*1,287	*1,100	..	187	*2,785	*2,500	282	..	3
*1,973	*1,100	..	873	3,049	2,764	282	..	3
2,454	1,762	0	692	*31,699	*24,498	6,245	..	956
*2,453	*1,760	0	*693	*33,410	*25,497	6,275	..	1,638
*2,453	*1,760	0	*693	34,532	26,408	6,190	..	1,933
*2,365	*1,760	0	605	37,325	29,008	6,215	..	2,102
210	210	..	..	*200	*178	..	..	22
*210	*210	..	..	*204	*176	..	..	28
*210	*210	..	..	*209	*177	..	..	32
*214	*214	..	..	*217	*180	..	..	37
41	*10	31	..	*1,445	*1,200	..	..	245
41	*10	31	..	*1,466	*1,220	..	..	246
41	*10	31	..	*1,466	*1,220	..	..	246
41	*10	31	..	*1,466	*1,220	..	..	246
3,719	2,568	1,111	40	3,410	1,259	2,151	..	..
3,596	2,444	1,111	41	3,234	1,083	2,151	..	..
3,938	2,757	1,111	70	3,236	1,084	2,151	..	1
4,055	2,764	1,111	180	3,236	1,084	2,151	..	1
*164	..	*124	*40	1,074	53	1,005	..	*15
*208	..	*168	*40	1,187	53	1,110	..	*24
514	3	478	33	1,693	53	1,604	..	36
546	6	478	62	2,153	53	2,060	..	39
..	..	..	..	11,567	11,508	..	..	59
..	..	..	..	11,960	11,798	..	..	162
..	..	..	..	11,920	11,733	..	..	187
..	..	..	..	11,571	10,867	..	..	704
20,529	15,534	..	4,995	35,429	26,426	4,695	3,872	436
22,241	15,578	1	6,662	35,498	26,341	4,695	3,872	590
24,788	16,677	2	8,109	34,613	26,341	4,694	2,887	690
27,315	16,705	2	10,608	34,629	26,341	4,699	2,887	702
1,024	1,024	..	..	38,861	25,776	9,858	1,430	1,797
977	977	..	..	39,629	26,150	9,912	1,770	1,797
728	728	..	..	41,438	25,588	10,733	*2,870	2,247
632	632	..	..	40,075	24,152	10,756	*2,870	2,297
*656	*640	*16	..	25,531	18,495	3,760	..	3,276
*649	*633	*16	..	26,250	19,080	3,779	..	3,390
*649	*633	*16	..	23,990	17,260	3,516	..	3,214
627	611	*16	..	27,632	19,994	3,729	..	3,909
*9,038	*9,038	..	..	*1,553	*1,553	..	..	..
*9,038	*9,038	..	..	*1,553	*1,553	..	..	..
9,023	9,023	..	..	1,553	1,553	..	..	..
9,021	9,021	..	..	1,553	1,553	..	..	..
33,600	33,600	..	..	76,485	76,372	..	..	112
*33,600	*33,600	..	..	79,776	79,664	..	..	112
*33,600	*33,600	..	..	83,825	83,032	..	..	792
*33,600	*33,600	..	..	*83,825	*83,032	..	..	793
552	552	..	..	12,307	12,035	..	..	272
552	552	..	..	11,768	11,435	..	..	333
552	552	..	..	11,922	11,435	..	..	487
552	552	..	..	12,069	11,435	..	..	634
784	284	410	*90	*3,733	*2,148	1,399	..	186
860	354	410	*96	3,689	2,098	1,383	..	*208
*1,192	516	*416	*261	3,716	2,098	1,383	..	*235
*1,318	*520	*500	*298	*4,046	*2,098	*1,383	..	*565

Table 31

## Net installed capacity of electricity plants by type

Megawatts

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
State of Palestine	2019	240	160	..	..	..	80	..
	2020	278	160	..	..	..	118	..
	2021	338	160	..	..	..	178	..
	2022	380	160	..	..	..	220	..
Syrian Arab Republic	2019	10,060	8,567	1,490	..	1	2	..
	2020	*10,069	*8,567	1,490	..	1	12	..
	2021	*9,602	*8,079	1,490	..	1	33	..
	2022	*10,178	*8,625	1,490	..	3	60	..
Tajikistan	2019	6,451	718	5,733	..	..	..	..
	2020	6,626	718	5,908	..	..	..	..
	2021	6,626	718	5,908	..	..	..	..
	2022	6,626	718	5,908	..	..	..	..
Thailand	2019	45,260	35,082	*3,682	..	*1,507	*4,988	0
	2020	49,550	41,959	3,106	..	1,528	2,957	0
	2021	52,110	44,459	3,109	..	1,544	2,998	0
	2022	50,580	42,864	*3,110	..	1,545	3,060	0
Timor-Leste	2019	283	283	0	..	..	1	..
	2020	283	283	0	..	..	0	..
	2021	277	276	0	..	..	0	..
	2022	277	276	0	..	..	0	..
Türkiye	2019	91,267	47,284	28,503	..	7,591	5,995	1,894
	2020	95,891	47,396	30,984	..	8,832	6,667	2,011
	2021	99,820	47,820	31,493	..	10,607	7,816	2,084
	2022	103,809	49,291	31,571	..	11,396	9,425	2,125
Turkmenistan	2019	6,511	6,510	1	..	..	..	..
	2020	6,511	6,510	1	..	..	..	..
	2021	6,511	6,510	1	..	..	..	..
	2022	6,511	6,510	1	..	..	..	..
United Arab Emirates	2019	*33,042	*31,287	..	..	..	1,755	..
	2020	36,291	32,846	..	1,390	..	2,055	..
	2021	37,068	33,106	..	1,390	..	2,572	..
	2022	37,901	32,049	..	2,780	..	3,072	..
Uzbekistan	2019	16,798	14,032	1,908	..	*5	4	*850
	2020	17,502	14,620	2,023	..	*5	4	*850
	2021	16,699	14,543	2,052	..	1	104	..
	2022	17,711	15,232	2,225	..	1	253	..
Viet Nam	2019	57,444	30,690	20,678	..	381	5,695	..
	2020	78,066	39,713	21,169	..	524	16,660	..
	2021	82,431	*39,713	21,934	..	4,124	16,660	..
	2022	85,031	*39,713	22,209	..	4,634	18,475	..
Yemen	2019	*1,769	*1,519	..	..	..	250	..
	2020	*1,753	*1,500	..	..	..	253	..
	2021	*1,758	*1,500	..	..	..	258	..
	2022	*1,764	*1,500	..	..	..	264	..
<b>Europe</b>	<b>2019</b>	<b>1,495,421</b>	<b>714,099</b>	<b>274,230</b>	<b>166,710</b>	<b>196,092</b>	<b>140,223</b>	<b>4,068</b>
	<b>2020</b>	<b>1,523,819</b>	<b>708,219</b>	<b>274,410</b>	<b>163,561</b>	<b>208,679</b>	<b>165,250</b>	<b>3,700</b>
	<b>2021</b>	<b>1,556,475</b>	<b>698,595</b>	<b>276,811</b>	<b>161,210</b>	<b>222,736</b>	<b>192,992</b>	<b>4,132</b>
	<b>2022</b>	<b>1,603,922</b>	<b>686,966</b>	<b>276,746</b>	<b>154,348</b>	<b>241,677</b>	<b>238,272</b>	<b>5,913</b>
Albania	2019	2,299	123	2,162	..	..	14	..
	2020	2,531	123	2,387	..	..	21	..
	2021	2,723	123	2,507	..	..	93	..
	2022	2,816	123	2,493	..	..	200	..
Andorra	2019	53	7	46	..	..	1	..
	2020	54	7	46	..	..	1	..
	2021	54	7	46	..	..	1	..
	2022	54	7	46	..	..	1	..



Table 31

## Net installed capacity of electricity plants by type

Megawatts

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
60	20	..	40	180	140	..	..	40
79	20	..	59	199	140	..	..	59
109	20	..	89	229	140	..	..	89
130	20	..	110	250	140	..	..	110
972	972	..	..	9,088	7,595	1,490	..	3
*972	*972	..	..	*9,097	*7,595	1,490	..	12
*972	*972	..	..	*8,630	*7,107	1,490	..	34
*972	*972	..	..	*9,206	*7,653	1,490	..	63
..	..	..	..	6,451	718	5,733	..	..
..	..	..	..	6,626	718	5,908	..	..
..	..	..	..	6,626	718	5,908	..	..
..	..	..	..	6,626	718	5,908	..	..
16,964	14,949	*15	*2,000	28,296	20,133	*3,667	..	*4,495
..	..	..	..	49,550	41,959	3,106	..	4,485
..	..	..	..	52,110	44,459	3,109	..	4,542
..	..	..	..	50,580	42,864	*3,110	..	4,606
..	..	..	..	283	283	0	..	1
..	..	..	..	283	283	0	..	0
..	..	..	..	277	276	0	..	0
..	..	..	..	277	276	0	..	0
7,588	5,222	552	1,814	83,679	42,062	27,951	..	13,666
8,074	5,284	558	2,233	87,817	42,113	30,426	..	15,278
8,156	5,363	15	2,779	91,664	42,457	31,478	..	17,729
9,167	5,450	13	3,704	94,642	43,841	31,558	..	19,243
..	..	..	..	6,511	6,510	1	..	..
..	..	..	..	6,511	6,510	1	..	..
..	..	..	..	6,511	6,510	1	..	..
..	..	..	..	6,511	6,510	1	..	..
..	..	..	..	*33,042	*31,287	..	..	1,755
..	..	..	..	36,291	32,846	..	1,390	2,055
..	..	..	..	37,068	33,106	..	1,390	2,572
..	..	..	..	37,901	32,049	..	2,780	3,072
..	..	..	..	16,798	14,032	1,908	..	*859
..	..	..	..	17,502	14,620	2,023	..	*859
*103	*103	..	..	16,596	14,440	2,052	..	104
..	..	..	..	17,711	15,232	2,225	..	253
*5,483	*5,125	*352	*6	51,961	25,565	20,326	..	6,070
*5,483	*5,125	*352	*6	72,583	34,588	20,817	..	17,178
*5,483	*5,125	*352	*6	76,948	*34,588	21,582	..	20,778
*5,483	*5,125	*352	*6	79,548	*34,588	21,857	..	23,103
367	*117	..	250	*1,402	*1,402	..	..	..
370	*117	..	253	*1,383	*1,383	..	..	..
375	*117	..	258	*1,383	*1,383	..	..	..
381	*117	..	264	*1,383	*1,383	..	..	..
<b>134,357</b>	<b>92,171</b>	<b>3,472</b>	<b>38,715</b>	<b>1,361,064</b>	<b>621,929</b>	<b>270,758</b>	<b>166,710</b>	<b>301,668</b>
<b>142,763</b>	<b>92,491</b>	<b>3,570</b>	<b>46,702</b>	<b>1,381,056</b>	<b>615,728</b>	<b>270,840</b>	<b>163,561</b>	<b>330,927</b>
<b>171,718</b>	<b>97,682</b>	<b>3,433</b>	<b>70,604</b>	<b>1,384,757</b>	<b>600,913</b>	<b>273,378</b>	<b>161,210</b>	<b>349,257</b>
<b>195,761</b>	<b>100,123</b>	<b>3,823</b>	<b>91,814</b>	<b>1,408,161</b>	<b>586,842</b>	<b>272,923</b>	<b>154,348</b>	<b>394,048</b>
25	25	..	..	2,274	98	2,162	..	14
25	25	..	..	2,506	98	2,387	..	21
95	25	..	70	2,628	98	2,507	..	23
125	25	..	100	2,691	98	2,493	..	100
5	5	..	..	48	2	46	..	1
5	5	..	..	49	2	46	..	1
5	5	..	..	49	2	46	..	1
5	5	..	..	49	2	46	..	1

Table 31

## Net installed capacity of electricity plants by type

Megawatts

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Austria	2019	25,902	6,378	14,597	..	3,224	1,702	1
	2020	26,350	6,437	14,635	..	3,226	2,043	9
	2021	27,390	6,443	14,748	..	3,408	2,783	8
	2022	28,195	5,893	14,923	..	3,579	3,792	8
Belarus	2019	10,183	9,820	97	..	112	154	..
	2020	11,339	9,801	96	1,170	112	160	..
	2021	*11,342	*9,800	*96	*1,170	*112	*163	..
	2022	*11,518	*9,859	*96	*1,170	*120	*273	..
Belgium	2019	24,017	8,078	1,411	5,930	3,864	4,731	3
	2020	25,820	8,085	1,413	5,942	4,673	5,705	3
	2021	26,368	7,986	1,418	5,851	4,948	6,162	3
	2022	26,746	8,159	1,430	4,845	5,288	6,915	109
Bosnia and Herzegovina	2019	4,485	2,137	2,239	..	87	22	..
	2020	4,507	2,136	2,249	..	87	35	..
	2021	4,594	2,146	2,257	..	135	56	..
	2022	4,641	2,146	2,258	..	135	102	..
Bulgaria	2019	11,429	4,097	3,378	2,006	703	1,044	*200
	2020	11,195	3,806	3,376	2,006	703	1,100	*203
	2021	11,411	3,854	3,369	2,006	704	1,275	*203
	2022	12,063	4,025	3,390	2,006	702	1,737	*203
Croatia	2019	4,712	1,771	2,200	..	646	85	10
	2020	4,662	1,543	2,200	..	801	109	10
	2021	4,873	1,537	2,201	..	987	138	10
	2022	4,974	1,550	2,206	..	987	222	10
Czechia	2019	22,023	13,031	2,265	4,290	339	2,097	..
	2020	21,416	12,384	2,265	4,290	339	2,137	..
	2021	20,980	11,874	2,285	4,290	339	2,191	..
	2022	21,126	11,792	2,285	4,290	339	2,420	..
Denmark	2019	15,005	7,772	7	..	6,111	1,115	..
	2020	15,180	7,569	7	..	6,259	1,345	..
	2021	16,394	7,465	7	..	7,084	1,838	..
	2022	18,037	7,437	7	..	7,084	3,510	..
Estonia	2019	2,753	2,303	6	..	316	128	..
	2020	2,751	2,205	8	..	317	221	..
	2021	2,439	1,693	6	..	316	424	..
	2022	2,579	1,699	8	..	316	556	..
Faeroe Islands	2019	131	78	38	..	14	0	..
	2020	168	115	38	..	14	0	..
	2021	*168	*115	*38	..	*14	0	0
	2022	*204	*142	40	..	23	0	0
Finland	2019	17,352	8,895	3,157	2,794	2,284	222	..
	2020	17,301	8,439	3,164	2,794	2,586	318	..
	2021	17,942	8,295	3,171	2,794	3,257	425	..
	2022	20,602	8,254	3,171	2,794	5,677	664	42
France	2019	137,170	20,786	25,868	63,130	16,427	10,729	230
	2020	138,014	20,888	25,954	61,400	17,535	11,917	320
	2021	142,184	21,023	25,991	61,400	18,551	14,603	616
	2022	148,739	21,046	25,964	61,400	20,811	17,341	2,178
Germany	2019	231,489	100,524	10,733	9,525	60,742	48,914	1,051
	2020	233,726	98,311	10,808	8,113	62,201	53,671	622
	2021	242,648	99,241	10,844	8,113	63,711	60,038	701
	2022	250,327	100,870	10,974	4,205	66,163	67,479	636
Gibraltar	2019	*50	*50	..	..	..	..	0
	2020	*50	*50	..	..	..	..	0
	2021	*50	*50	..	..	..	..	0
	2022	*50	*50	..	..	..	..	0

Table 31

## Net installed capacity of electricity plants by type

Megawatts

Total	Autoproducers			Main activity producers				
	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
2,220	1,784	435	..	23,682	4,593	14,162	..	4,927
2,264	1,829	435	..	24,086	4,609	14,199	..	5,278
5,044	1,933	434	2,676	22,346	4,510	14,314	..	3,523
5,576	1,532	432	3,612	22,619	4,361	14,491	..	3,767
977	897	2	78	9,206	8,923	95	..	188
1,010	927	2	81	10,329	8,874	94	1,170	191
*1,011	*927	*2	*82	*10,331	*8,873	*94	*1,170	*193
*1,011	*927	*2	*82	*10,507	*8,932	*94	*1,170	*311
6,376	1,616	..	4,760	17,641	6,463	1,411	5,930	3,838
7,416	1,681	..	5,735	18,405	6,404	1,413	5,942	4,646
7,872	1,704	..	6,169	18,496	6,282	1,418	5,851	4,945
8,791	1,881	..	6,911	17,954	6,278	1,430	4,845	5,401
71	71	..	..	4,414	2,066	2,239	..	109
70	70	..	..	4,437	2,066	2,249	..	122
78	78	..	..	4,516	2,068	2,257	..	191
78	78	..	..	4,563	2,068	2,258	..	237
*361	161	..	*200	11,068	3,936	3,378	2,006	1,748
*358	155	..	*203	10,836	3,651	3,376	2,006	1,803
*374	171	..	*203	11,037	3,683	3,369	2,006	1,979
487	213	..	*274	11,576	3,812	3,390	2,006	2,369
165	162	3	..	4,547	1,609	2,197	..	741
164	162	2	..	4,498	1,381	2,197	..	920
140	138	2	..	4,733	1,400	2,198	..	1,135
140	138	2	..	4,834	1,412	2,203	..	1,219
1,925	1,741	184	..	20,098	11,290	2,081	4,290	2,437
1,821	1,636	184	..	19,596	10,748	2,081	4,290	2,477
1,789	1,605	184	..	19,190	10,269	2,101	4,290	2,530
1,783	1,598	185	..	19,343	10,194	2,100	4,290	2,760
1,685	570	..	1,115	13,320	7,202	7	..	6,111
1,908	563	..	1,345	13,272	7,006	7	..	6,259
2,393	555	..	1,838	14,001	6,910	7	..	7,084
4,065	555	..	3,510	13,972	6,882	7	..	7,084
24	23	..	1	2,729	2,280	6	..	443
24	23	..	1	2,727	2,182	8	..	537
24	23	..	1	2,415	1,670	6	..	739
33	31	..	2	2,546	1,668	8	..	870
..	..	..	..	131	78	38	..	14
..	..	..	..	168	115	38	..	14
..	..	..	..	*168	*115	*38	..	*15
..	..	..	..	*204	*142	40	..	23
2,458	2,035	208	215	14,894	6,860	2,949	2,794	2,291
2,522	2,006	205	311	14,779	6,433	2,959	2,794	2,593
2,540	1,940	182	418	15,402	6,355	2,989	2,794	3,264
2,793	1,961	182	650	17,809	6,293	2,989	2,794	5,733
7,462	3,815	194	3,453	129,708	16,970	25,674	63,130	23,933
7,724	3,734	194	3,796	130,290	17,154	25,760	61,400	25,976
8,116	3,594	195	4,327	134,068	17,428	25,796	61,400	29,444
8,740	3,709	199	4,831	140,000	17,337	25,764	61,400	35,499
11,169	10,954	35	180	220,320	89,570	10,698	9,525	110,527
11,151	10,954	35	162	222,575	87,357	10,773	8,113	116,332
11,242	11,063	35	144	231,406	88,178	10,809	8,113	124,306
11,879	11,700	35	144	238,448	89,170	10,939	4,205	134,134
..	..	..	..	*50	*50	..	..	0
..	..	..	..	*50	*50	..	..	0
..	..	..	..	*50	*50	..	..	0
..	..	..	..	*50	*50	..	..	0

Table 31

## Net installed capacity of electricity plants by type

Megawatts

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Greece	2019	20,478	10,643	3,412	..	3,589	2,834	..
	2020	20,795	9,971	3,417	..	4,119	3,288	..
	2021	21,929	9,581	3,421	..	4,649	4,277	..
	2022	23,941	10,387	3,421	..	4,702	5,430	..
Guernsey	2019	*132	*132	..	..	..	0	..
	2020	*132	*132	..	..	..	0	..
	2021	*132	*132	..	..	..	0	..
	2022	*132	*132	..	..	..	0	..
Hungary	2019	10,110	6,159	58	2,013	323	1,516	41
	2020	10,901	6,145	58	2,013	323	2,322	40
	2021	11,826	6,154	60	2,027	324	3,221	40
	2022	13,205	6,038	60	2,027	324	4,716	40
Iceland	2019	2,979	116	2,104	..	2	..	756
	2020	2,989	116	2,114	..	2	..	756
	2021	2,999	126	2,114	..	2	..	756
	2022	3,006	126	2,122	..	2	..	756
Ireland	2019	11,130	6,417	529	..	4,126	57	..
	2020	11,242	6,316	529	..	4,307	90	..
	2021	11,140	6,139	529	..	4,337	135	..
	2022	11,310	6,000	529	..	4,536	244	..
Isle of Man	2019	184	183	1	..	..	..	..
	2020	184	183	1	..	..	..	..
	2021	184	183	1	..	..	..	..
	2022	184	183	1	..	..	..	..
Italy	2019	116,435	61,284	22,541	..	10,679	20,865	1,066
	2020	116,383	60,106	22,695	..	10,871	21,650	1,062
	2021	117,160	59,496	22,750	..	11,254	22,594	1,066
	2022	120,947	60,135	22,861	..	11,821	25,064	1,067
Jersey	2019	*72	*72	..	..	..	..	..
	2020	*72	*72	..	..	..	..	..
	2021	*72	*72	..	..	..	..	..
	2022	*72	*72	..	..	..	..	..
Kosovo	2019	1,417	1,288	85	..	34	10	..
	2020	1,442	1,288	110	..	34	10	..
	2021	1,446	1,288	110	..	34	14	..
	2022	1,550	1,288	110	..	138	14	..
Latvia	2019	2,938	1,270	1,587	..	78	3	..
	2020	2,944	1,274	1,586	..	78	5	..
	2021	2,940	1,268	1,587	..	77	7	..
	2022	3,017	1,234	1,588	..	82	113	..
Liechtenstein	2019	*27	*1	*10	..	..	*16	..
	2020	*29	*1	*10	..	..	*18	..
	2021	*29	*1	*10	..	..	*18	..
	2022	*33	*1	*11	..	..	*21	..
Lithuania	2019	3,378	1,839	877	..	534	103	25
	2020	3,491	1,885	877	..	540	164	25
	2021	3,709	1,881	877	..	671	255	25
	2022	4,301	1,881	877	..	946	572	25
Luxembourg	2019	1,775	149	1,330	..	136	160	..
	2020	1,808	138	1,331	..	153	187	..
	2021	1,878	134	1,331	..	136	277	..
	2022	1,957	145	1,330	..	165	317	..
Malta	2019	750	595	..	..	0	155	..
	2020	783	595	..	..	0	188	..
	2021	800	595	..	..	0	206	..
	2022	723	501	..	..	0	222	..

Table 31

## Net installed capacity of electricity plants by type

Megawatts

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
568	568	..	..	19,910	10,076	3,412	..	6,423
568	568	..	..	20,227	9,404	3,417	..	7,407
568	568	..	..	21,361	9,014	3,421	..	8,927
568	568	..	..	23,373	9,820	3,421	..	10,132
..	..	..	..	*132	*132	..	..	0
..	..	..	..	*132	*132	..	..	0
..	..	..	..	*132	*132	..	..	0
..	..	..	..	*132	*132	..	..	0
1,083	286	..	797	9,027	5,873	58	2,013	1,083
1,406	274	..	1,132	9,495	5,871	58	2,013	1,553
1,853	281	..	1,572	9,974	5,873	60	2,027	2,014
2,679	394	..	2,285	10,526	5,644	60	2,027	2,795
..	..	..	..	2,979	116	2,104	..	758
..	..	..	..	2,989	116	2,114	..	758
..	..	..	..	2,999	126	2,114	..	758
..	..	..	..	3,006	126	2,122	..	758
448	364	..	84	10,682	6,053	529	..	4,100
483	367	..	116	10,758	5,949	529	..	4,280
535	371	..	164	10,605	5,768	529	..	4,308
594	371	..	223	10,716	5,629	529	..	4,558
8	8	..	..	176	175	1	..	..
8	8	..	..	176	175	1	..	..
8	8	..	..	176	175	1	..	..
8	8	..	..	176	175	1	..	..
5,432	5,256	106	70	111,003	56,028	22,435	..	32,541
5,166	4,991	91	84	111,218	55,115	22,604	..	33,498
20,469	9,731	102	10,637	96,690	49,766	22,648	..	24,277
22,704	9,984	106	12,614	98,243	50,150	22,755	..	25,337
22	22	..	..	*50	*50	..	..	..
22	22	..	..	*50	*50	..	..	..
22	22	..	..	*50	*50	..	..	..
22	22	..	..	*50	*50	..	..	..
0	..	..	0	1,417	1,288	85	..	44
..	..	..	..	1,442	1,288	110	..	44
..	..	..	..	1,446	1,288	110	..	48
..	..	..	..	1,550	1,288	110	..	152
34	29	1	3	2,904	1,241	1,585	..	78
38	32	2	5	2,905	1,243	1,585	..	78
38	29	2	7	2,902	1,239	1,586	..	77
125	28	2	96	2,892	1,207	1,586	..	99
..	..	..	..	*27	*1	*10	..	*16
..	..	..	..	*29	*1	*10	..	*18
..	..	..	..	*29	*1	*10	..	*18
..	..	..	..	*33	*1	*11	..	*21
282	257	..	25	3,096	1,582	877	..	637
282	257	..	25	3,209	1,628	877	..	704
281	256	..	25	3,428	1,625	877	..	926
281	256	..	25	4,020	1,625	877	..	1,518
215	53	2	160	1,560	95	1,329	..	136
232	43	2	187	1,576	95	1,329	..	153
323	44	2	277	1,555	90	1,329	..	136
376	58	2	317	1,581	87	1,329	..	165
160	5	..	155	590	590	..	..	..
193	5	..	188	590	590	..	..	..
210	5	..	206	590	590	..	..	..
225	3	..	223	498	498	..	..	..

Table 31

## Net installed capacity of electricity plants by type

Megawatts

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Montenegro	2019	998	225	652	..	118	2	..
	2020	1,042	225	697	..	118	3	..
	2021	1,042	225	697	..	118	3	..
	2022	1,043	225	697	..	118	3	..
Netherlands (Kingd. of the)	2019	36,853	24,185	37	512	4,484	7,228	407
	2020	42,988	24,274	37	512	6,648	11,110	407
	2021	47,851	24,397	38	512	7,674	14,823	407
	2022	53,942	24,489	38	512	8,755	19,600	549
North Macedonia	2019	1,851	1,112	678	..	37	24	..
	2020	1,868	1,112	687	..	37	32	..
	2021	2,093	1,322	689	..	37	45	..
	2022	2,196	1,322	693	..	37	144	..
Norway	2019	36,940	1,074	32,797	..	2,914	120	35
	2020	38,880	959	33,732	..	4,030	124	35
	2021	40,269	889	34,075	..	5,049	168	89
	2022	40,479	739	34,269	..	5,062	328	81
Poland	2019	43,440	33,638	2,397	..	5,838	1,539	28
	2020	49,368	36,715	2,400	..	6,298	3,955	0
	2021	52,834	36,053	2,398	..	6,967	7,416	0
	2022	55,819	33,092	2,407	..	8,150	12,170	0
Portugal	2019	21,665	8,160	7,262	..	5,223	991	29
	2020	21,783	8,163	7,241	..	5,122	1,228	29
	2021	21,596	6,987	7,255	..	5,427	1,898	29
	2022	23,020	6,186	8,189	..	5,538	3,078	29
Republic of Moldova	2019	486	430	16	..	35	5	..
	2020	490	428	16	..	41	4	..
	2021	528	432	16	..	67	12	..
	2022	649	471	16	..	98	64	..
Romania	2019	20,899	8,366	6,686	1,411	3,038	1,398	..
	2020	20,584	8,126	6,652	1,411	3,013	1,383	..
	2021	18,799	6,316	6,662	1,411	3,015	1,394	..
	2022	19,346	6,448	6,663	1,411	3,015	1,809	..
Russian Federation	2019	302,074	217,060	52,757	30,300	*600	1,276	81
	2020	*302,703	*217,060	52,889	*30,300	945	1,428	81
	2021	*304,020	*217,060	52,963	*30,300	1,955	1,661	81
	2022	*303,335	*217,060	51,860	*30,300	2,218	1,816	*81
Serbia	2019	7,968	4,485	3,074	..	398	11	..
	2020	7,984	4,492	3,082	..	398	12	..
	2021	8,002	4,507	3,085	..	398	12	..
	2022	8,227	4,699	3,107	..	398	22	..
Slovakia	2019	7,752	2,639	2,527	1,940	4	618	24
	2020	7,741	2,652	2,529	1,971	4	569	16
	2021	7,524	2,399	2,531	2,003	4	571	16
	2022	7,501	2,361	2,532	2,003	4	585	16
Slovenia	2019	3,832	1,512	1,351	688	3	278	..
	2020	3,929	1,516	1,352	688	3	370	..
	2021	4,080	1,576	1,352	688	3	461	..
	2022	4,235	1,571	1,346	688	3	626	..
Spain	2019	108,454	45,697	20,114	7,117	25,590	9,877	59
	2020	107,415	41,771	20,117	7,117	26,819	11,531	59
	2021	111,002	39,778	20,132	7,117	27,908	16,008	59
	2022	124,743	39,470	20,137	7,117	30,114	27,845	59
Sweden	2019	42,853	8,343	16,462	8,624	8,681	743	..
	2020	43,724	8,406	16,406	7,777	9,976	1,159	..
	2021	44,845	7,725	16,407	6,899	12,116	1,698	..
	2022	47,855	9,117	16,399	6,901	14,279	1,159	..

Table 31

## Net installed capacity of electricity plants by type

Megawatts

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
..	..	..	..	998	225	652	..	120
..	..	..	..	1,042	225	697	..	121
..	..	..	..	1,042	225	697	..	121
..	..	..	..	1,043	225	697	..	121
12,963	6,019	..	6,944	23,891	18,167	37	512	5,175
16,450	6,504	..	9,946	26,538	17,770	37	512	8,219
19,379	6,626	..	12,754	28,472	17,772	38	512	10,150
23,314	6,733	..	16,581	30,628	17,756	38	512	12,322
..	..	..	..	1,851	1,112	678	..	61
..	..	..	..	1,868	1,112	687	..	69
..	..	..	..	2,093	1,322	689	..	82
..	..	..	..	2,196	1,322	693	..	181
672	552	..	120	36,268	522	32,797	..	2,949
681	557	..	124	38,199	402	33,732	..	4,065
617	450	..	168	39,652	439	34,075	..	5,138
778	450	..	328	39,701	289	34,269	..	5,143
4,680	3,112	1	1,567	38,760	30,526	2,397	..	5,838
7,033	3,077	1	3,955	42,336	33,638	2,399	..	6,298
10,532	3,116	1	7,416	42,302	32,937	2,397	..	6,967
15,482	3,311	1	12,171	40,337	29,780	2,406	..	8,150
2,461	1,879	6	576	19,204	6,281	7,256	..	5,667
2,570	1,884	6	679	19,213	6,278	7,235	..	5,700
2,742	1,889	6	847	18,854	5,098	7,249	..	6,507
3,138	1,661	6	1,470	19,882	4,525	8,183	..	7,175
123	100	..	23	363	330	16	..	17
118	98	..	20	372	330	16	..	26
149	101	..	48	379	330	16	..	32
211	110	..	101	438	362	16	..	60
2,261	1,696	83	482	18,638	6,670	6,603	1,411	3,954
2,555	1,817	87	652	18,029	6,309	6,566	1,411	3,743
2,670	1,854	87	730	16,128	4,463	6,576	1,411	3,679
2,557	1,609	93	855	16,789	4,839	6,569	1,411	3,969
*25,622	*25,160	*462	..	276,452	191,900	52,295	30,300	1,957
*25,622	*25,160	*462	..	*277,081	*191,900	52,427	*30,300	2,454
*25,622	*25,160	*462	..	*278,398	*191,900	52,501	*30,300	3,697
*25,622	*25,160	*462	..	*277,713	*191,900	51,398	*30,300	4,115
142	142	..	..	7,827	4,344	3,074	..	409
145	145	..	..	7,839	4,348	3,082	..	410
150	150	..	..	7,853	4,358	3,085	..	410
154	152	..	2	8,073	4,547	3,107	..	419
1,219	766	33	420	6,533	1,873	2,494	1,940	226
1,172	751	33	388	6,569	1,901	2,496	1,971	201
1,158	741	33	384	6,366	1,658	2,498	2,003	207
1,161	734	35	392	6,340	1,627	2,497	2,003	213
435	44	121	271	3,397	1,468	1,230	688	11
529	46	122	362	3,400	1,471	1,230	688	11
619	47	122	450	3,462	1,529	1,230	688	14
780	44	122	614	3,455	1,527	1,224	688	16
6,491	5,979	369	143	101,963	39,718	19,745	7,117	35,383
6,601	5,953	369	279	100,814	35,818	19,748	7,117	38,131
7,251	5,929	369	952	103,751	33,849	19,763	7,117	43,022
9,830	5,921	369	3,540	114,912	33,549	19,768	7,117	54,478
1,411	1,393	18	..	41,442	6,950	16,444	8,624	9,424
1,386	1,386	0	..	42,338	7,020	16,406	7,777	11,135
1,460	1,460	0	..	43,385	6,265	16,407	6,899	13,814
2,849	2,849	0	..	45,006	6,268	16,399	6,901	15,438

Table 31

## Net installed capacity of electricity plants by type

Megawatts

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Switzerland	2019	22,423	943	15,574	3,333	75	2,498	..
	2020	22,568	954	15,594	2,960	87	2,973	..
	2021	23,280	965	15,612	2,960	88	3,655	..
	2022	25,319	967	16,568	2,960	88	4,737	..
Ukraine	2019	51,444	28,535	6,325	13,835	796	1,953	..
	2020	58,257	30,739	4,819	13,835	1,402	7,462	..
	2021	56,312	28,664	6,335	13,835	1,110	6,368	..
	2022	42,294	16,564	4,835	13,835	1,099	5,961	..
United Kingdom	2019	104,633	51,699	4,780	9,261	23,887	14,984	22
	2020	104,237	50,507	4,785	9,261	24,458	15,203	22
	2021	104,596	50,598	4,790	7,833	25,748	15,604	22
	2022	106,870	51,013	4,790	5,883	28,762	16,399	22
Latin America & Carib.	2019	476,539	222,733	196,846	5,466	29,280	16,637	5,577
	2020	487,843	223,949	197,903	5,466	33,058	21,835	5,632
	2021	517,149	234,773	200,161	5,466	38,812	32,291	5,646
	2022	544,014	227,295	199,523	5,353	42,927	49,405	19,512
Anguilla	2019	26	24	..	..	..	2	..
	2020	*26	*24	..	..	..	2	..
	2021	*26	*24	..	..	..	*2	..
	2022	*26	*24	..	..	..	*2	..
Antigua and Barbuda	2019	90	79	..	..	..	10	..
	2020	92	79	..	..	4	9	..
	2021	146	128	..	..	4	14	..
	2022	*146	*128	..	..	4	14	..
Argentina	2019	43,272	28,137	11,330	1,755	1,611	439	..
	2020	45,565	29,062	11,364	1,755	2,625	759	..
	2021	46,602	29,129	11,365	1,755	3,293	1,060	..
	2022	46,255	29,136	10,916	1,755	3,362	1,086	..
Aruba	2019	295	258	..	..	30	8	..
	2020	295	258	..	..	30	8	..
	2021	295	258	..	..	30	8	..
	2022	295	258	..	..	30	8	..
Bahamas	2019	579	576	..	..	0	4	..
	2020	597	593	..	..	0	4	..
	2021	679	669	..	..	0	9	..
	2022	*685	*674	..	..	0	10	..
Barbados	2019	307	267	..	..	..	40	..
	2020	317	267	..	..	..	50	..
	2021	319	252	..	..	..	67	..
	2022	329	262	..	..	..	67	..
Belize	2019	136	81	55	..	..	1	..
	2020	131	76	55	..	..	1	..
	2021	135	76	55	..	..	4	..
	2022	135	76	55	..	..	4	..
Bolivia (Plur. State of)	2019	3,704	2,797	759	..	27	121	..
	2020	3,713	2,805	759	..	27	122	..
	2021	4,137	3,076	760	..	129	172	..
	2022	4,223	3,156	759	..	131	176	..
Bonaire, St Eustatius, Saba	2019	*38	*20	..	..	11	7	..
	2020	*38	*20	..	..	11	7	..
	2021	*38	*20	..	..	11	7	..
	2022	*39	*21	..	..	11	7	..
Brazil	2019	172,280	41,281	109,155	1,990	15,388	4,466	..
	2020	179,517	43,153	109,294	1,990	17,146	7,934	..
	2021	190,637	44,981	109,477	1,990	20,786	13,403	..
	2022	206,452	46,441	109,807	1,990	23,761	24,453	..



Table 31

## Net installed capacity of electricity plants by type

Megawatts

Total	Autoproducers			Main activity producers				
	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
3,910	683	729	2,498	18,513	259	14,845	3,333	75
4,511	686	852	2,973	18,057	268	14,742	2,960	87
5,051	678	718	3,655	18,229	287	14,894	2,960	88
6,498	668	1,094	4,737	18,821	298	15,474	2,960	88
2,171	2,071	..	100	49,273	26,464	6,325	13,835	2,649
*2,206	*2,075	..	*131	56,051	28,664	4,819	13,835	8,733
2,341	2,139	4	198	53,971	26,525	6,331	13,835	7,280
2,345	2,139	4	202	39,949	14,425	4,831	13,835	6,858
26,623	11,868	479	14,276	78,010	39,831	4,301	9,261	24,618
26,326	12,016	487	13,823	77,912	38,491	4,298	9,261	25,861
26,948	12,268	492	14,188	77,648	38,329	4,299	7,833	27,187
27,953	12,538	492	14,924	78,917	38,475	4,299	5,883	30,260
<b>57,108</b>	<b>44,081</b>	<b>6,042</b>	<b>6,985</b>	<b>419,431</b>	<b>178,652</b>	<b>190,804</b>	<b>5,466</b>	<b>44,509</b>
<b>61,484</b>	<b>44,981</b>	<b>6,183</b>	<b>10,320</b>	<b>426,359</b>	<b>178,968</b>	<b>191,719</b>	<b>5,466</b>	<b>50,206</b>
<b>67,711</b>	<b>46,470</b>	<b>6,185</b>	<b>15,056</b>	<b>449,438</b>	<b>188,303</b>	<b>193,976</b>	<b>5,466</b>	<b>61,692</b>
<b>83,854</b>	<b>48,881</b>	<b>6,177</b>	<b>28,797</b>	<b>460,160</b>	<b>178,414</b>	<b>193,346</b>	<b>5,353</b>	<b>83,047</b>
..	..	..	..	26	24	..	..	2
..	..	..	..	*26	*24	..	..	2
..	..	..	..	*26	*24	..	..	*2
..	..	..	..	*26	*24	..	..	*2
*1	*1	..	..	89	78	..	..	10
*1	*1	..	..	91	78	..	..	13
*1	*1	..	..	145	127	..	..	18
*1	*1	..	..	*145	*127	..	..	18
3,614	3,592	20	2	39,658	24,545	11,310	1,755	2,048
3,614	3,592	20	2	41,951	25,470	11,344	1,755	3,382
3,614	3,592	20	2	42,988	25,537	11,345	1,755	4,351
3,996	3,861	82	53	42,259	25,275	10,834	1,755	4,395
..	..	..	..	295	258	..	..	38
..	..	..	..	295	258	..	..	38
..	..	..	..	295	258	..	..	38
..	..	..	..	295	258	..	..	38
*39	*39	..	..	540	537	..	..	4
*39	*39	..	..	558	554	..	..	4
44	44	..	..	634	625	..	..	9
*44	*44	..	..	*641	*630	..	..	11
*10	*10	..	..	297	257	..	..	40
*10	*10	..	..	307	257	..	..	50
*10	*10	..	..	309	242	..	..	67
*10	*10	..	..	319	252	..	..	67
*26	*26	..	..	110	55	55	..	1
22	22	..	..	110	54	55	..	1
22	22	..	..	113	54	55	..	4
22	22	..	..	113	54	55	..	4
329	328	2	..	3,375	2,470	758	..	148
328	328	1	..	3,384	2,477	758	..	149
154	153	*1	..	3,984	2,924	759	..	301
219	218	*1	..	4,004	2,939	758	..	307
..	..	..	..	*38	*20	..	..	18
..	..	..	..	*38	*20	..	..	18
..	..	..	..	*38	*20	..	..	18
..	..	..	..	*39	*21	..	..	18
26,482	20,129	5,068	1,285	145,798	21,152	104,087	1,990	18,569
29,987	20,283	5,158	4,546	149,530	22,870	104,136	1,990	20,534
34,882	20,872	5,160	8,850	155,755	24,109	104,317	1,990	25,339
43,913	21,543	5,090	17,280	162,539	24,898	104,717	1,990	30,934

Table 31

## Net installed capacity of electricity plants by type

Megawatts

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
British Virgin Islands	2019	61	59	..	..	1	1	..
	2020	65	63	..	..	1	1	..
	2021	65	63	..	..	1	1	..
	2022	65	63	..	..	1	1	..
Cayman Islands	2019	161	161	..	..	..	..	..
	2020	161	161	..	..	..	..	..
	2021	161	161	..	..	..	..	..
	2022	166	166	..	..	..	..	..
Chile	2019	27,646	16,544	6,341	..	1,999	2,722	40
	2020	30,007	17,564	6,818	..	2,293	3,293	40
	2021	33,444	17,752	6,797	..	3,140	5,704	51
	2022	37,562	17,752	7,502	..	3,824	8,401	83
Colombia	2019	18,978	6,809	11,996	..	18	155	0
	2020	16,684	4,412	12,024	..	18	229	..
	2021	16,953	4,447	12,008	..	18	479	..
	2022	17,927	4,695	12,607	..	18	607	..
Costa Rica	2019	3,624	549	2,343	..	411	59	262
	2020	3,607	554	2,331	..	394	66	262
	2021	3,678	554	2,396	..	394	72	262
	2022	3,630	554	2,347	..	394	72	263
Cuba	2019	6,508	6,285	64	..	*41	*118	..
	2020	6,660	6,374	65	..	*58	*164	..
	2021	6,767	6,461	65	..	*63	*179	..
	2022	6,236	5,909	65	..	12	251	..
Curaçao	2019	*231	*172	..	..	47	12	..
	2020	232	172	..	..	47	13	..
	2021	*232	*172	..	..	*47	*13	..
	2022	*232	*172	..	..	*47	*13	..
Dominica	2019	42	35	7	..	0	0	..
	2020	44	36	7	..	0	0	..
	2021	44	36	7	..	0	0	..
	2022	41	34	7	..	0	0	..
Dominican Republic	2019	6,010	4,995	623	..	188	204	..
	2020	5,691	4,427	623	..	370	271	..
	2021	5,679	4,380	623	..	370	305	..
	2022	5,749	4,304	623	..	417	405	..
Ecuador	2019	8,073	2,978	5,047	..	21	27	..
	2020	8,095	2,983	5,064	..	21	27	..
	2021	8,101	2,981	5,072	..	21	27	..
	2022	8,220	2,991	5,151	..	50	28	..
El Salvador	2019	2,263	1,071	572	..	..	416	204
	2020	2,357	1,071	572	..	36	474	204
	2021	2,437	1,073	572	..	54	533	204
	2022	2,842	1,452	572	..	54	559	204
Falkland Is. (Malvinas)	2019	9	7	..	..	2	0	..
	2020	*9	*7	..	..	2	0	..
	2021	7	5	..	..	2	0	..
	2022	7	5	..	..	*2	0	..
Grenada	2019	58	54	..	..	0	3	..
	2020	56	52	..	..	0	4	..
	2021	59	56	..	..	0	4	..
	2022	60	56	..	..	0	4	..
Guatemala	2019	4,042	2,234	1,560	..	107	93	49
	2020	4,162	2,332	1,577	..	107	93	52
	2021	4,118	2,284	1,584	..	107	93	49
	2022	4,040	2,281	1,518	..	107	96	38

Table 31

## Net installed capacity of electricity plants by type

Megawatts

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
..	..	..	..	61	59	..	..	2
..	..	..	..	65	63	..	..	2
..	..	..	..	65	63	..	..	2
..	..	..	..	65	63	..	..	2
..	..	..	..	161	161	..	..	..
..	..	..	..	161	161	..	..	..
..	..	..	..	161	161	..	..	..
..	..	..	..	166	166	..	..	..
3,358	3,310	9	40	24,288	13,234	6,333	..	4,721
4,538	4,449	50	39	25,469	13,115	6,768	..	5,586
4,538	4,449	50	39	28,906	13,303	6,747	..	8,857
4,651	4,449	50	152	32,910	13,303	7,452	..	12,156
*1,637	*1,530	*95	12	17,341	5,279	11,901	..	161
*1,649	*1,530	*95	24	15,035	2,882	11,929	..	224
*1,649	*1,530	*95	24	15,304	2,917	11,913	..	474
*1,659	*1,530	*95	34	16,268	3,165	12,512	..	592
128	75	..	53	3,495	474	2,343	..	678
141	80	..	61	3,466	474	2,331	..	661
147	80	..	67	3,531	474	2,396	..	661
147	80	..	67	3,483	474	2,347	..	662
459	459	..	..	6,049	5,826	64	..	*159
565	565	..	..	6,095	5,809	65	..	*222
569	569	..	..	6,198	5,892	65	..	*242
966	966	..	..	5,270	4,943	65	..	263
*55	*55	..	..	*176	*118	..	..	58
55	55	..	..	178	118	..	..	60
*55	*55	..	..	*178	*118	..	..	*60
*55	*55	..	..	*178	*118	..	..	*60
*15	*15	..	0	27	20	7	..	1
*15	*15	..	0	29	22	7	..	1
*15	*15	..	0	29	22	7	..	1
*15	*15	..	0	26	19	7	..	1
1,371	1,255	..	116	4,639	3,740	623	..	276
*856	*740	..	*116	4,835	3,687	623	..	525
*805	*705	..	100	4,873	3,675	623	..	575
*810	*705	..	105	4,939	3,599	623	..	717
1,346	1,118	227	..	6,727	1,860	4,819	..	48
1,332	1,094	238	..	6,764	1,889	4,826	..	48
1,377	1,139	238	..	6,724	1,841	4,835	..	48
1,387	1,149	238	..	6,832	1,841	4,914	..	77
525	300	19	207	1,737	771	553	..	413
574	300	19	255	1,783	771	553	..	459
626	302	19	305	1,811	771	553	..	487
653	303	19	331	2,189	1,149	553	..	487
..	..	..	..	9	7	..	..	2
..	..	..	..	*9	*7	..	..	2
..	..	..	..	7	5	..	..	2
..	..	..	..	7	5	..	..	*2
4	0	..	3	54	54	..	..	..
4	0	..	4	52	52	..	..	..
4	0	..	4	55	55	..	..	..
4	0	..	4	56	56	..	..	..
*655	*650	*5	..	3,387	1,584	1,555	..	249
*655	*650	*5	..	3,507	1,682	1,572	..	252
*655	*650	*5	..	3,463	1,634	1,579	..	250
*655	*650	*5	..	3,385	1,631	1,513	..	241

Table 31

## Net installed capacity of electricity plants by type

Megawatts

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Guyana	2019	335	327	..	..	0	8	..
	2020	337	329	..	..	0	8	..
	2021	359	349	..	..	0	10	..
	2022	372	360	..	..	0	12	..
Haiti	2019	*471	*390	78	..	0	3	..
	2020	*471	*390	78	..	0	3	..
	2021	*471	*390	78	..	0	3	..
	2022	*471	*390	*78	..	0	*3	..
Honduras	2019	2,882	1,308	731	..	235	570	39
	2020	3,011	1,318	840	..	235	578	39
	2021	3,028	1,318	853	..	235	578	44
	2022	3,184	1,393	923	..	235	589	44
Jamaica	2019	*1,150	*962	29	..	*102	57	..
	2020	*1,156	*968	*29	..	*102	*57	..
	2021	*1,156	*968	*29	..	*102	*57	..
	2022	*1,156	*968	*29	..	*102	*57	..
Mexico	2019	95,715	63,521	13,076	1,721	6,541	6,076	4,780
	2020	96,985	63,521	13,301	1,721	6,995	6,615	4,832
	2021	106,610	71,083	13,303	1,721	7,468	8,203	4,832
	2022	116,228	64,326	12,838	1,608	7,633	11,159	18,664
Montserrat	2019	6	5	..	..	..	0	..
	2020	6	5	..	..	..	0	..
	2021	6	5	..	..	..	1	..
	2022	*6	*5	..	..	..	1	..
Nicaragua	2019	1,620	1,107	157	..	186	16	153
	2020	1,620	1,107	157	..	186	16	153
	2021	1,615	1,101	159	..	186	16	153
	2022	1,628	1,101	159	..	186	16	165
Panama	2019	4,140	1,851	1,821	..	270	198	..
	2020	4,165	1,860	1,822	..	270	213	..
	2021	4,108	1,575	1,822	..	270	441	..
	2022	4,207	1,603	1,821	..	336	447	..
Paraguay	2019	8,761	1	8,760	..	..	..	..
	2020	8,761	1	8,760	..	..	..	..
	2021	8,761	1	8,760	..	..	..	..
	2022	8,761	1	8,760	..	..	..	..
Peru	2019	15,162	9,062	5,397	..	372	331	..
	2020	15,229	9,072	5,417	..	409	331	..
	2021	15,382	9,131	5,514	..	409	329	..
	2022	15,805	9,420	5,514	..	539	332	..
Puerto Rico	2019	6,173	5,808	99	..	102	165	..
	2020	6,107	5,742	99	..	102	165	..
	2021	6,107	5,742	98	..	102	*165	..
	2022	*6,106	*5,742	98	..	101	*165	..
Saint Barthélemy	2019	34	34	..	..	..	0	..
	2020	34	34	..	..	..	0	..
	2021	34	34	..	..	..	0	..
	2022	34	34	..	..	..	0	..
Saint Martin (French Part)	2019	57	57	..	..	..	1	..
	2020	58	57	..	..	..	1	..
	2021	58	57	..	..	..	1	..
	2022	58	57	..	..	..	1	..
Sint Maarten (Dutch part)	2019	*96	*96	..	..	..	..	..
	2020	99	99	..	..	..	..	..
	2021	*99	*99	..	..	..	..	..
	2022	*101	*101	..	..	..	..	..

Table 31

## Net installed capacity of electricity plants by type

Megawatts

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
42	42	..	..	293	285	..	..	8
42	42	..	..	295	287	..	..	8
*42	*42	..	..	317	307	..	..	10
42	42	..	..	330	318	..	..	12
*137	*137	..	..	*333	*253	78	..	3
*137	*137	..	..	*333	*253	78	..	3
*137	*137	..	..	*333	*253	78	..	3
*137	*137	..	..	*333	*253	*78	..	*3
455	398	0	57	2,427	910	730	..	787
561	496	0	65	2,450	823	840	..	787
561	496	0	65	2,467	823	853	..	792
561	496	0	65	2,622	897	923	..	803
*485	*350	..	*135	*665	*612	29	..	*24
*491	*356	..	*135	*665	*612	*29	..	*24
*491	*356	..	*135	*665	*612	*29	..	*24
*491	*356	..	*135	*665	*612	*29	..	*24
11,876	6,698	225	4,953	83,839	56,823	12,851	1,721	12,444
11,867	6,698	225	4,944	85,118	56,823	13,076	1,721	13,498
13,183	7,631	225	5,327	93,427	63,452	13,078	1,721	15,176
19,183	8,564	225	10,394	97,045	55,762	12,613	1,608	27,062
..	..	..	..	6	5	..	..	0
..	..	..	..	6	5	..	..	0
..	..	..	..	6	5	..	..	1
..	..	..	..	*6	*5	..	..	1
219	218	1	..	1,401	888	157	..	356
219	218	1	..	1,401	888	157	..	356
219	218	1	..	1,396	883	158	..	356
219	218	1	..	1,409	883	158	..	368
384	324	60	..	3,756	1,527	1,761	..	468
394	333	61	..	3,771	1,527	1,761	..	483
428	367	61	..	3,680	1,208	1,761	..	711
467	396	61	*10	3,740	1,207	1,761	..	773
..	..	..	..	8,761	1	8,760	..	..
..	..	..	..	8,761	1	8,760	..	..
..	..	..	..	8,761	1	8,760	..	..
..	..	..	..	8,761	1	8,760	..	..
1,512	1,339	131	*42	13,650	7,723	5,266	..	661
1,439	1,266	131	42	13,790	7,807	5,286	..	698
1,521	1,349	130	42	13,861	7,782	5,384	..	696
1,557	1,381	130	46	14,248	8,039	5,384	..	826
60	60	..	..	6,113	5,748	99	..	267
*60	*60	..	..	6,047	5,682	99	..	267
*60	*60	..	..	6,047	5,682	98	..	*267
*60	*60	..	..	*6,046	*5,682	98	..	*266
..	..	..	..	34	34	..	..	0
..	..	..	..	34	34	..	..	0
..	..	..	..	34	34	..	..	0
..	..	..	..	34	34	..	..	0
..	..	..	..	57	57	..	..	1
..	..	..	..	58	57	..	..	1
..	..	..	..	58	57	..	..	1
..	..	..	..	58	57	..	..	1
..	..	..	..	*96	*96	..	..	..
..	..	..	..	99	99	..	..	..
..	..	..	..	*99	*99	..	..	..
..	..	..	..	*101	*101	..	..	..

Table 31

## Net installed capacity of electricity plants by type

Megawatts

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
St. Kitts-Nevis	2019	*71	*67	..	..	2	2	..
	2020	*72	*67	..	..	2	3	..
	2021	*72	*67	..	..	2	3	..
	2022	*72	*67	..	..	2	3	..
St. Lucia	2019	92	88	..	..	..	4	..
	2020	93	88	..	..	..	4	..
	2021	93	88	..	..	..	4	..
	2022	93	88	..	..	..	5	..
St. Vincent-Grenadines	2019	50	40	6	..	..	4	..
	2020	56	44	6	..	..	6	..
	2021	*56	*44	6	..	..	6	..
	2022	*59	*47	6	..	..	6	..
Suriname	2019	503	316	180	..	..	7	..
	2020	491	302	180	..	..	9	..
	2021	532	343	180	..	..	9	..
	2022	588	386	180	..	..	22	..
Trinidad and Tobago	2019	2,118	2,115	..	..	0	3	..
	2020	2,517	2,513	..	..	0	4	..
	2021	2,134	2,130	..	..	0	4	..
	2022	2,134	2,130	..	..	0	4	..
Turks and Caicos Islands	2019	91	90	..	..	..	1	..
	2020	91	90	..	..	..	1	..
	2021	92	90	..	..	..	3	..
	2022	*93	*90	..	..	..	3	..
United States Virgin Is.	2019	*341	*316	..	..	0	*25	..
	2020	*342	*316	..	..	0	*26	..
	2021	*343	*316	..	..	0	*27	..
	2022	*343	*316	..	..	0	*27	..
Uruguay	2019	4,901	1,593	1,538	..	1,517	253	..
	2020	4,905	1,593	1,538	..	1,517	258	..
	2021	4,914	1,593	1,538	..	1,517	266	..
	2022	4,929	1,594	1,538	..	1,517	280	..
Venezuela (Bolivar. Rep.)	2019	33,338	18,107	15,123	..	50	8	50
	2020	33,117	17,886	15,123	..	50	8	50
	2021	36,360	19,210	17,042	..	50	8	50
	2022	32,227	16,468	15,651	..	50	8	50
<b>Northern America</b>	<b>2019</b>	<b>1,277,089</b>	<b>796,279</b>	<b>184,311</b>	<b>111,457</b>	<b>116,890</b>	<b>64,158</b>	<b>3,994</b>
	<b>2020</b>	<b>1,298,587</b>	<b>789,596</b>	<b>184,513</b>	<b>109,014</b>	<b>132,010</b>	<b>79,407</b>	<b>4,049</b>
	<b>2021</b>	<b>1,333,327</b>	<b>789,866</b>	<b>185,414</b>	<b>108,059</b>	<b>146,574</b>	<b>99,324</b>	<b>4,090</b>
	<b>2022</b>	<b>1,352,308</b>	<b>780,690</b>	<b>186,606</b>	<b>106,237</b>	<b>156,582</b>	<b>118,081</b>	<b>4,112</b>
Bermuda	2019	*176	*172	..	..	..	4	..
	2020	*177	*173	..	..	..	*4	..
	2021	*177	*173	..	..	..	*4	..
	2022	*177	*173	..	..	..	*4	..
Canada	2019	148,929	37,393	81,570	13,338	13,220	3,327	*81
	2020	150,305	39,155	81,383	12,513	13,532	3,609	*113
	2021	152,621	39,397	82,307	12,513	13,722	4,534	*148
	2022	153,744	38,388	83,312	11,578	15,081	5,235	*150
Greenland	2019	187	*96	91	..	..	..	..
	2020	187	*96	91	..	..	..	..
	2021	187	*96	91	..	..	..	..
	2022	187	*96	91	..	..	..	..
St. Pierre-Miquelon	2019	26	26	..	..	0	..	..
	2020	26	26	..	..	0	..	..
	2021	26	26	..	..	0	..	..
	2022	26	26	..	..	0	..	..

Table 31

## Net installed capacity of electricity plants by type

Megawatts

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
*4	*4	..	..	*67	*63	..	..	4
*4	*4	..	..	*68	*63	..	..	5
*4	*4	..	..	*68	*63	..	..	5
*4	*4	..	..	*68	*63	..	..	5
1	..	..	1	91	88	..	..	3
1	..	..	1	91	88	..	..	3
1	..	..	1	91	88	..	..	3
2	..	..	2	91	88	..	..	3
0	..	..	0	50	40	6	..	4
2	..	..	2	54	44	6	..	4
*2	..	..	*2	*54	*44	6	..	4
*2	..	..	*2	*57	*47	6	..	4
276	96	180	..	227	220	..	..	7
276	96	180	..	215	206	..	..	9
276	96	180	..	256	247	..	..	9
290	*100	180	*10	298	286	..	..	12
*96	*96	..	..	2,022	2,019	..	..	3
*96	*96	..	..	2,421	2,417	..	..	4
*98	*98	..	..	2,036	2,032	..	..	4
*98	*98	..	..	2,036	2,032	..	..	4
..	..	..	..	91	90	..	..	1
..	..	..	..	91	90	..	..	1
..	..	..	..	92	90	..	..	3
..	..	..	..	*93	*90	..	..	3
*15	..	..	*15	*326	*316	..	..	10
*16	..	..	*16	*326	*316	..	..	10
*17	..	..	*17	*326	*316	..	..	10
*17	..	..	*17	*326	*316	..	..	10
478	417	..	*61	4,423	1,176	1,538	..	1,709
482	417	..	*65	4,423	1,176	1,538	..	1,710
491	417	..	*73	4,423	1,176	1,538	..	1,710
506	418	..	*87	4,423	1,176	1,538	..	1,710
1,013	1,010	..	3	32,325	17,097	15,123	..	105
1,013	1,010	..	3	32,104	16,876	15,123	..	105
1,013	1,010	..	3	35,347	18,200	17,042	..	105
1,013	1,010	..	3	31,214	15,458	15,651	..	105
<b>67,396</b>	<b>35,201</b>	<b>5,464</b>	<b>26,731</b>	<b>1,209,693</b>	<b>761,078</b>	<b>178,847</b>	<b>111,457</b>	<b>158,311</b>
<b>73,022</b>	<b>36,007</b>	<b>5,506</b>	<b>31,509</b>	<b>1,225,565</b>	<b>753,589</b>	<b>179,007</b>	<b>109,014</b>	<b>183,956</b>
<b>78,802</b>	<b>36,282</b>	<b>5,576</b>	<b>36,943</b>	<b>1,254,525</b>	<b>753,584</b>	<b>179,838</b>	<b>108,059</b>	<b>213,044</b>
<b>86,074</b>	<b>36,530</b>	<b>5,638</b>	<b>43,906</b>	<b>1,266,235</b>	<b>744,161</b>	<b>180,967</b>	<b>106,237</b>	<b>234,870</b>
9	5	..	4	*167	*167	..	..	..
10	6	..	*4	*167	*167	..	..	..
*10	*6	..	*4	*167	*167	..	..	..
*10	*6	..	*4	*167	*167	..	..	..
12,530	5,685	5,175	1,670	136,399	31,708	76,395	13,338	14,958
12,983	5,952	5,218	1,813	137,322	33,203	76,165	12,513	15,441
13,160	5,989	5,277	1,894	139,461	33,408	77,030	12,513	16,510
13,312	5,836	5,342	2,134	140,432	32,552	77,970	11,578	18,332
*16	*16	..	..	171	*80	91	..	..
*16	*16	..	..	171	*80	91	..	..
*16	*16	..	..	171	*80	91	..	..
*16	*16	..	..	171	*80	91	..	..
..	..	..	..	26	26	..	..	0
..	..	..	..	26	26	..	..	0
..	..	..	..	26	26	..	..	0
..	..	..	..	26	26	..	..	0

Table 31

## Net installed capacity of electricity plants by type

Megawatts

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
United States	2019	1,127,771	758,592	102,650	98,119	103,670	60,827	3,914
	2020	1,147,892	750,146	103,039	96,501	118,478	75,794	3,936
	2021	1,180,315	750,174	103,016	95,546	132,852	94,786	3,941
	2022	1,198,174	742,008	103,202	94,659	141,501	112,842	3,962
Oceania	2019	97,462	56,701	14,544	..	8,636	16,505	1,077
	2020	105,771	57,931	14,507	..	10,962	21,261	1,111
	2021	111,783	58,353	14,509	..	11,532	26,278	1,111
	2022	118,614	58,408	14,749	..	13,044	31,295	1,118
American Samoa	2019	47	42	..	..	..	5	..
	2020	*47	*42	..	..	..	5	..
	2021	*50	*45	..	..	..	5	..
	2022	*50	*45	..	..	..	5	..
Australia	2019	84,092	51,540	8,523	..	7,881	16,147	0
	2020	92,394	52,826	8,523	..	10,207	20,838	0
	2021	98,058	53,223	8,523	..	10,555	25,757	0
	2022	104,575	53,471	8,523	..	11,966	30,615	0
Cook Islands	2019	*16	*11	..	..	..	5	..
	2020	*16	*11	..	..	..	5	..
	2021	*16	*11	..	..	..	5	..
	2022	*16	*11	..	..	..	5	..
Fiji	2019	*363	*194	138	..	*21	10	..
	2020	*363	*194	138	..	*21	10	..
	2021	*370	*201	138	..	*21	10	..
	2022	*370	*201	138	..	*21	10	..
French Polynesia	2019	318	227	49	..	0	41	..
	2020	321	227	49	..	0	44	..
	2021	340	243	49	..	0	48	..
	2022	*341	*243	*49	..	0	*49	..
Guam	2019	460	420	..	..	0	40	..
	2020	462	420	..	..	0	41	..
	2021	463	420	..	..	0	43	..
	2022	*524	*420	..	..	0	104	..
Kiribati	2019	*12	*9	..	..	..	3	..
	2020	*12	*9	..	..	..	*3	..
	2021	*12	*9	..	..	..	*3	..
	2022	*12	*9	..	..	..	*3	..
Marshall Islands	2019	32	30	..	..	..	2	..
	2020	*32	*30	..	..	..	2	..
	2021	*32	*30	..	..	..	2	..
	2022	*32	*30	..	..	..	2	..
Micronesia (Fed. States of)	2019	*35	*32	1	..	1	2	..
	2020	42	38	1	..	1	3	..
	2021	42	38	1	..	1	3	..
	2022	42	38	1	..	1	3	..
Nauru	2019	*14	*13	..	..	..	1	..
	2020	18	16	..	..	..	2	..
	2021	18	16	..	..	..	2	..
	2022	*19	*16	..	..	..	*3	..
New Caledonia	2019	1,022	809	78	..	37	97	2
	2020	1,047	809	78	..	37	121	2
	2021	1,090	808	81	..	37	162	2
	2022	1,170	848	81	..	57	182	2
New Zealand	2019	9,515	2,242	5,443	..	690	115	1,025
	2020	9,683	2,346	5,443	..	690	145	1,059
	2021	9,953	2,346	5,443	..	913	192	1,059
	2022	10,112	2,112	5,680	..	994	260	1,066



Table 31

## Net installed capacity of electricity plants by type

Megawatts

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
54,842	29,496	289	25,057	1,072,930	729,097	102,360	98,119	143,353
60,013	30,033	288	29,692	1,087,879	720,113	102,750	96,501	168,515
65,616	30,272	299	35,046	1,114,699	719,902	102,717	95,546	196,534
72,736	30,672	296	41,768	1,125,438	711,335	102,906	94,659	216,538
<b>21,222</b>	<b>9,759</b>	<b>98</b>	<b>11,365</b>	<b>76,240</b>	<b>46,942</b>	<b>14,446</b>	..	<b>14,853</b>
<b>24,119</b>	<b>10,284</b>	<b>80</b>	<b>13,756</b>	<b>81,652</b>	<b>47,647</b>	<b>14,427</b>	..	<b>19,578</b>
<b>27,856</b>	<b>10,688</b>	<b>80</b>	<b>17,088</b>	<b>83,928</b>	<b>47,665</b>	<b>14,430</b>	..	<b>21,833</b>
<b>31,113</b>	<b>10,970</b>	<b>80</b>	<b>20,063</b>	<b>87,502</b>	<b>47,437</b>	<b>14,670</b>	..	<b>25,395</b>
..	..	..	..	47	42	..	..	5
..	..	..	..	*47	*42	..	..	5
..	..	..	..	*50	*45	..	..	5
..	..	..	..	*50	*45	..	..	5
19,569	8,424	..	11,145	64,523	43,116	8,523	..	12,883
22,529	9,038	..	13,492	69,865	43,788	8,523	..	17,554
26,193	9,435	..	16,758	71,866	43,788	8,523	..	19,554
29,330	9,677	..	19,653	75,245	43,794	8,523	..	22,928
..	..	..	..	*16	*11	..	..	5
..	..	..	..	*16	*11	..	..	5
..	..	..	..	*16	*11	..	..	5
..	..	..	..	*16	*11	..	..	5
54	54	..	..	*309	*140	138	..	*31
54	54	..	..	*309	*140	138	..	*31
61	61	..	..	*309	*140	138	..	*31
61	61	..	..	*309	*140	138	..	*31
..	..	..	..	318	227	49	..	41
..	..	..	..	321	227	49	..	45
..	..	..	..	340	243	49	..	49
..	..	..	..	*341	*243	*49	..	*49
*14	..	..	*14	446	420	..	..	26
16	..	..	16	446	420	..	..	26
17	..	..	17	446	420	..	..	26
*18	..	..	*18	*506	*420	..	..	86
*1	*1	..	..	*11	*8	..	..	3
*1	*1	..	..	*10	*7	..	..	*3
*1	*1	..	..	*11	*8	..	..	*3
*1	*1	..	..	*11	*8	..	..	*3
..	..	..	..	32	30	..	..	2
..	..	..	..	*32	*30	..	..	2
..	..	..	..	*32	*30	..	..	2
..	..	..	..	*32	*30	..	..	2
..	..	..	..	*35	*32	1	..	3
..	..	..	..	42	38	1	..	3
..	..	..	..	42	38	1	..	3
..	..	..	..	42	38	1	..	3
..	..	..	..	*14	*13	..	..	1
..	..	..	..	18	16	..	..	2
..	..	..	..	18	16	..	..	2
..	..	..	..	*19	*16	..	..	*3
589	572	..	16	434	237	78	..	119
601	572	..	29	446	237	78	..	131
619	572	..	47	471	236	81	..	154
670	612	..	58	500	236	81	..	183
397	255	3	139	9,118	1,987	5,440	..	1,691
421	249	3	169	9,262	2,097	5,440	..	1,725
468	249	3	216	9,485	2,097	5,440	..	1,948
536	249	3	284	9,576	1,863	5,677	..	2,036

Table 31

## Net installed capacity of electricity plants by type

Megawatts

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Niue	2019	*3	*2	..	..	..	1	..
	2020	*3	*2	..	..	..	*1	..
	2021	*3	*2	..	..	..	*1	..
	2022	*3	*2	..	..	..	*1	..
Northern Mariana Islands	2019	*63	*63	..	..	..	..	..
	2020	*65	*63	..	..	..	*2	..
	2021	68	63	..	..	..	*5	..
	2022	68	63	..	..	..	5	..
Palau	2019	*41	*39	..	..	..	3	..
	2020	*41	*39	..	..	..	*3	..
	2021	*41	*39	..	..	..	*3	..
	2022	*41	*39	..	..	..	*3	..
Papua New Guinea	2019	*1,265	*919	295	..	..	1	50
	2020	1,058	748	258	..	..	*1	50
	2021	1,058	748	258	..	..	*1	50
	2022	1,061	748	261	..	..	*2	50
Samoa	2019	*56	*23	14	..	1	*18	..
	2020	*58	*24	14	..	1	*20	..
	2021	*59	*24	14	..	1	*20	..
	2022	*60	*25	14	..	1	*20	..
Solomon Islands	2019	*35	*32	0	..	..	3	..
	2020	35	32	0	..	..	3	..
	2021	*35	*32	0	..	..	*3	..
	2022	*37	*32	0	..	..	4	..
Tonga	2019	25	18	..	..	1	6	..
	2020	*25	*18	..	..	2	6	..
	2021	*26	*18	..	..	1	7	..
	2022	33	18	..	..	1	14	..
Tuvalu	2019	7	*3	..	..	..	4	..
	2020	7	*3	..	..	..	4	..
	2021	7	*3	..	..	..	4	..
	2022	7	*3	..	..	..	4	..
Vanuatu	2019	33	25	1	..	3	3	..
	2020	33	26	1	..	3	3	..
	2021	33	26	1	..	3	3	..
	2022	33	26	1	..	3	3	..
Wallis and Futuna Is.	2019	9	9	0	..	..	0	..
	2020	9	9	0	..	..	0	..
	2021	*9	*9	0	..	..	0	..
	2022	*9	*9	0	..	..	0	..

Table 31

## Net installed capacity of electricity plants by type

Megawatts

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
..	..	..	..	*3	*2	..	..	1
..	..	..	..	*3	*2	..	..	*1
..	..	..	..	*3	*2	..	..	*1
..	..	..	..	*3	*2	..	..	*1
..	..	..	..	*63	*63	..	..	..
..	..	..	..	*65	*63	..	..	*2
..	..	..	..	68	63	..	..	*5
..	..	..	..	68	63	..	..	5
*2	*2	..	..	*39	*37	..	..	3
*2	*2	..	..	*39	*37	..	..	*3
*2	*2	..	..	*39	*37	..	..	*3
*2	*2	..	..	*39	*37	..	..	*3
*595	*450	*95	50	*670	*469	200	..	1
493	366	77	50	565	382	181	..	*1
493	366	77	50	565	382	181	..	*1
493	366	77	50	568	382	184	..	*2
0	..	..	0	*56	*23	14	..	*19
0	..	..	0	*58	*24	14	..	*21
0	..	..	0	*59	*24	14	..	*21
0	..	..	0	*60	*25	14	..	*21
1	1	..	..	*34	*31	0	..	3
1	1	..	..	34	31	0	..	3
*1	*1	..	..	*34	*31	0	..	*3
*1	*1	..	..	*36	*31	0	..	4
..	..	..	..	25	18	..	..	7
..	..	..	..	*25	*18	..	..	8
..	..	..	..	*26	*18	..	..	8
..	..	..	..	33	18	..	..	16
..	..	..	..	7	*3	..	..	4
..	..	..	..	7	*3	..	..	4
..	..	..	..	7	*3	..	..	4
..	..	..	..	7	*3	..	..	4
..	..	..	..	33	25	1	..	6
..	..	..	..	33	26	1	..	6
..	..	..	..	33	26	1	..	6
..	..	..	..	33	26	1	..	6
..	..	..	..	9	9	0	..	0
..	..	..	..	9	9	0	..	0
..	..	..	..	*9	*9	0	..	0
..	..	..	..	*9	*9	0	..	0