

Net installed capacity of electric plants - by type

Megawatts

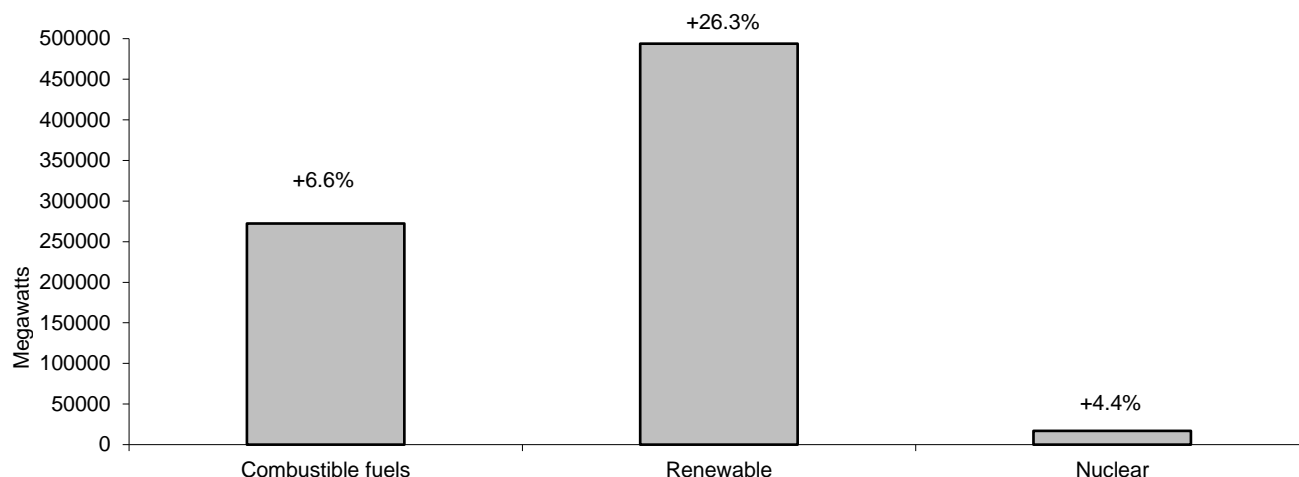
Table Notes

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 73: Change in net installed capacity of electricity generating plants* by source, 2015-2018



* 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	2015	6,389,178	4,119,421	1,213,656	389,293	417,459	228,086	21,263
	2016	6,721,067	4,267,553	1,249,920	399,569	473,843	300,803	29,380
	2017	6,929,608	4,303,111	1,275,909	398,882	519,701	398,596	33,410
	2018	7,172,339	4,391,851	1,291,276	406,276	566,720	484,783	31,431
Africa	2015	177,333	140,390	27,899	1,860	4,343	2,183	657
	2016	191,861	151,242	30,152	1,860	4,654	3,270	682
	2017	207,145	163,179	32,825	1,940	4,784	3,728	689
	2018	221,768	175,435	33,590	1,940	5,467	4,672	664
Algeria	2015	17,239	16,961	228	..	10	40	..
	2016	19,006	18,549	228	..	10	219	..
	2017	19,474	18,892	228	..	10	344	..
	2018	20,963	20,480	129	..	10	344	..
Angola	2015	*2,546	*1,091	*1,442	..	..	13	..
	2016	*2,886	*1,284	*1,589	..	..	13	..
	2017	*4,422	*2,067	*2,342	..	..	13	..
	2018	5,010	*2,298	2,699	..	..	13	..
Benin	2015	*383	*312	*66	..	..	*5	..
	2016	*383	*312	*66	..	..	*5	..
	2017	*383	*312	*66	..	..	5	..
	2018	*383	*312	*66	..	..	5	..
Botswana	2015	621	620	..	..	..	1	..
	2016	621	620	..	..	..	1	..
	2017	753	752	..	..	..	1	..
	2018	796	795	..	..	..	1	..
Burkina Faso	2015	325	293	32	..	..	..	..
	2016	325	293	32	..	..	..	..
	2017	329	293	32	..	..	*4	..
	2018	349	293	32	..	..	*24	..
Burundi	2015	65	*11	51	..	..	3	..
	2016	64	*9	51	..	..	4	..
	2017	70	*17	48	..	..	5	..
	2018	70	*17	48	..	..	5	..
Cabo Verde	2015	162	129	..	..	26	8	..
	2016	*169	*136	..	..	26	8	..
	2017	*200	*166	..	..	27	8	..
	2018	*209	*169	..	..	*31	*9	..
Cameroon	2015	*1,909	*1,167	*732	..	..	*10	..
	2016	*1,944	*1,200	*732	..	..	*12	..
	2017	2,054	*1,265	777	..	..	*12	..
	2018	1,669	*918	732	..	..	*19	..
Central African Rep.	2015	*44	*19	*25	..	..	0	..
	2016	*44	*19	*25	..	..	0	..
	2017	*44	*19	*25	..	..	0	..
	2018	*44	*19	*25	..	..	0	..
Chad	2015	*86	*86	..	..	..	..	..
	2016	*86	*86	..	..	..	..	..
	2017	*86	*86	..	..	..	..	..
	2018	*86	*86	..	..	..	..	..
Comoros	2015	*26	*26	..	..	..	..	..
	2016	*26	*26	..	..	..	..	..
	2017	*34	*34	..	..	..	..	..
	2018	*34	*34	..	..	..	..	..
Congo	2015	600	391	209	0	..
	2016	*600	*391	*209	0	..
	2017	*606	*391	214	1	..
	2018	*606	*391	214	1	..

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Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
638,987	505,065	34,613	99,309	5,750,191	3,614,356	1,179,043	389,293	567,499
610,670	467,526	31,715	111,428	6,110,397	3,800,027	1,218,205	399,569	692,597
586,696	429,181	32,426	125,088	6,342,912	3,873,930	1,243,483	398,882	826,618
625,046	455,055	29,045	140,946	6,547,292	3,936,796	1,262,231	406,276	941,989
21,693	17,119	605	3,969	155,639	123,271	27,294	1,860	3,215
25,318	19,790	699	4,829	166,543	131,452	29,453	1,860	3,778
23,720	17,929	767	5,024	183,424	145,250	32,057	1,940	4,177
26,595	20,099	789	5,707	195,173	155,336	32,801	1,940	5,096
4,314	4,314	..	..	12,925	12,647	228	..	50
4,314	4,314	..	..	14,692	14,235	228	..	229
4,314	4,314	..	..	15,160	14,578	228	..	354
6,079	6,079	..	..	14,884	14,401	129	..	354
*184	*184	..	..	*2,362	*907	*1,442	..	13
*217	*217	..	..	*2,669	*1,067	*1,589	..	13
*250	*250	..	..	*4,172	*1,817	*2,342	..	13
*250	*250	..	..	4,760	*2,048	2,699	..	13
*45	*45	..	..	*338	*267	*66	..	*5
*45	*45	..	..	*338	*267	*66	..	*5
*45	*45	..	..	*338	*267	*66	..	5
*45	*45	..	..	*338	*267	*66	..	5
20	20	..	..	601	600	..	..	1
20	20	..	..	601	600	..	..	1
20	20	..	..	733	732	..	..	1
..	..	..	..	796	795	..	..	1
..	..	..	..	325	293	32	..	..
..	..	..	..	325	293	32	..	..
..	..	..	..	329	293	32	..	*4
..	..	..	..	349	293	32	..	*24
*2	*2	..	..	63	*9	51	..	3
*2	*2	..	..	62	*7	51	..	4
*3	*3	..	..	67	*14	48	..	5
*3	*3	..	..	67	*14	48	..	5
0	0	..	..	162	129	..	..	33
*1	*1	..	..	*168	*135	..	..	33
*1	*1	..	..	*200	*165	..	..	35
*1	*1	..	..	*209	*168	..	..	*40
*650	*650	..	..	*1,259	*517	*732	..	*10
*650	*650	..	..	*1,294	*550	*732	..	*12
*650	*650	..	..	1,404	615	777	..	*12
*650	*650	..	..	1,019	268	732	..	*19
..	..	..	..	*44	*19	*25	..	0
..	..	..	..	*44	*19	*25	..	0
..	..	..	..	*44	*19	*25	..	0
..	..	..	..	*44	*19	*25	..	0
..	..	..	..	*86	*86	..	..	..
..	..	..	..	*86	*86	..	..	..
..	..	..	..	*86	*86	..	..	..
..	..	..	..	*86	*86	..	..	..
..	..	..	..	*26	*26	..	..	..
..	..	..	..	*26	*26	..	..	..
..	..	..	..	*34	*34	..	..	..
..	..	..	..	*34	*34	..	..	..
350	350	250	41	209	..	0
*350	*350	*250	*41	*209	..	0
*350	*350	256	*41	214	..	1
*350	*350	256	*41	214	..	1

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Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Côte d'Ivoire	2015	1,909	1,305	604	..	..	..	..
	2016	1,909	1,305	604	..	..	..	..
	2017	2,195	1,316	879	..	..	..	..
	2018	2,184	1,305	879	..	..	..	..
Dem. Rep. of the Congo	2015	*2,549	*120	*2,429	..	..	..	..
	2016	*2,677	*135	*2,542	..	..	..	..
	2017	3,120	122	2,998	..	..	..	..
	2018	3,179	155	3,005	..	..	19	..
Djibouti	2015	130	130	..	..	..	..	..
	2016	130	130	..	..	..	..	..
	2017	130	130	..	..	..	..	..
	2018	*130	*130	..	..	..	..	..
Egypt	2015	35,907	32,420	2,800	..	547	140	..
	2016	39,544	35,857	2,800	..	747	140	..
	2017	45,695	42,008	2,800	..	747	140	..
	2018	55,413	51,424	2,832	..	967	190	..
Equatorial Guinea	2015	349	222	127	..	..	..	..
	2016	349	222	127	..	..	..	..
	2017	554	222	327	..	..	5	..
	2018	*554	*222	*327	..	..	*5	..
Eritrea	2015	*161	*159	..	..	1	*1	..
	2016	*161	*159	..	..	1	*1	..
	2017	*216	*205	..	..	1	*10	..
	2018	*226	*205	..	..	1	*20	..
Eswatini	2015	*188	*115	*73	..	..	..	..
	2016	*188	*115	73	..	..	..	..
	2017	*188	*115	*73	..	..	0	..
	2018	192	119	*73	..	..	0	..
Ethiopia	2015	2,424	143	1,940	..	324	10	7
	2016	4,252	99	3,808	..	324	14	7
	2017	4,261	104	3,814	..	324	12	7
	2018	4,260	104	3,814	..	324	11	7
Gabon	2015	511	340	170	..	..	*1	..
	2016	523	352	170	..	..	*1	..
	2017	533	359	173	..	..	*1	..
	2018	751	418	332	..	..	*1	..
Gambia	2015	*120	*116	..	..	1	2	..
	2016	*121	*117	..	..	1	2	..
	2017	*121	*118	..	..	1	2	..
	2018	*126	*123	..	..	1	*2	..
Ghana	2015	3,866	2,263	1,580	..	..	23	..
	2016	4,005	2,402	1,580	..	..	23	..
	2017	4,609	3,006	1,580	..	..	23	..
	2018	5,099	3,476	1,580	..	..	43	0
Guinea	2015	596	228	367	..	..	..	..
	2016	593	226	367	..	..	..	..
	2017	640	*273	367	..	..	..	..
	2018	610	*243	367	..	..	..	..
Guinea-Bissau	2015	*23	*23	..	..	..	..	..
	2016	*31	*27	..	..	..	*5	..
	2017	*31	*26	..	..	..	*5	..
	2018	*32	*26	..	..	..	*5	..
Kenya	2015	2,263	819	800	..	26	..	619
	2016	2,254	786	798	..	26	..	644
	2017	2,270	766	826	..	26	..	652
	2018	2,647	864	821	..	336	..	627

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Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
*23	*23	..	..	1,886	1,282	604	..	..
*23	*23	..	..	1,886	1,282	604	..	..
*23	*23	..	..	2,172	1,293	879	..	..
*23	*23	..	..	2,161	1,282	879	..	..
*449	*20	*429	..	*2,100	*100	*2,000	..	..
*567	*25	*542	..	*2,110	*110	*2,000	..	..
581	93	488	..	2,539	29	2,510	..	..
601	123	478	..	2,578	32	2,527	..	19
..	..	..	..	130	130	..	..	..
..	..	..	..	130	130	..	..	..
..	..	..	..	130	130	..	..	..
..	..	..	..	*130	*130	..	..	..
*687	*687	..	..	35,220	31,733	2,800	..	687
*687	*687	..	..	38,857	35,170	2,800	..	887
*687	*687	..	..	45,008	41,321	2,800	..	887
*887	*887	..	..	54,526	50,537	2,832	..	1,157
..	..	..	..	349	222	127	..	..
..	..	..	..	349	222	127	..	..
..	..	..	..	554	222	327	..	5
..	..	..	..	*554	*222	*327	..	*5
*10	*10	..	..	*151	*149	..	..	2
*10	*10	..	..	*151	*149	..	..	2
*10	*10	..	..	*206	*195	..	..	*11
*10	*10	..	..	*216	*195	..	..	*21
*110	*106	*4	..	*79	10	*69	..	..
*110	*106	*4	..	79	10	69	..	..
*110	*106	*4	0	*79	*10	*69	..	..
113	109	*4	0	*79	*10	*69	..	..
..	..	..	..	2,424	143	1,940	..	341
..	..	..	..	4,252	99	3,808	..	345
..	..	..	..	4,261	104	3,814	..	343
..	..	..	..	4,260	104	3,814	..	342
*71	*70	..	*1	440	270	170	..	..
*71	*70	..	*1	452	282	170	..	..
*73	*70	*2	*1	460	289	171	..	..
88	85	*2	*1	663	333	330	..	..
*35	*35	..	..	*85	*81	..	..	3
*35	*35	..	..	*86	*82	..	..	3
*36	*36	..	..	*86	*82	..	..	3
*36	*36	..	..	*90	*87	..	..	*3
*210	*210	..	..	3,656	2,053	1,580	..	23
*210	*210	..	..	3,795	2,192	1,580	..	23
*210	*210	..	..	4,399	2,796	1,580	..	23
*210	*210	..	..	4,889	3,266	1,580	..	43
*100	*100	..	..	496	128	367	..	..
150	150	..	..	444	77	367	..	..
*180	*180	..	..	460	*93	367	..	..
*148	*148	..	..	462	*95	367	..	..
*4	*4	..	..	*19	*19	..	..	..
*5	*5	..	..	*26	*21	..	..	*5
*6	*6	..	..	*26	*21	..	..	*5
*5	*5	*26	*21	*5
..	2,263	819	800	..	645
..	2,254	786	798	..	670
..	2,270	766	826	..	678
19	19	2,628	845	821	..	963

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Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Lesotho	2015	80	..	80	..	..	0	..
	2016	81	*1	80	..	..	0	..
	2017	75	*1	74	..	..	0	..
	2018	75	1	74	..	..	0	..
Liberia	2015	*102	*93	*9	..	..	..	..
	2016	*107	*98	*9	..	..	0	..
	2017	*111	*100	*9	..	..	*2	..
	2018	*195	*100	*92	..	..	*3	..
Libya	2015	9,460	9,455	..	..	..	5	..
	2016	10,249	10,244	..	..	..	5	..
	2017	10,243	10,238	..	..	..	5	..
	2018	10,516	10,511	..	..	..	5	..
Madagascar	2015	*543	*379	164	..	0	0	..
	2016	526	366	159	..	0	*1	..
	2017	663	496	166	..	0	*1	..
	2018	*663	*496	*166	..	0	*1	..
Malawi	2015	567	*211	356	..	..	..	..
	2016	567	*211	356	..	..	..	..
	2017	567	*211	356	..	..	..	..
	2018	661	*211	450	..	..	..	..
Mali	2015	*895	*404	*490	..	..	*1	..
	2016	1,011	*490	520	..	..	*1	..
	2017	1,112	*560	550	..	..	*2	..
	2018	*1,112	*560	*550	..	..	*2	..
Mauritania	2015	444	392	..	..	34	18	..
	2016	*461	*392	..	..	34	35	..
	2017	*506	*421	..	..	35	50	..
	2018	*570	*449	..	..	34	87	..
Mauritius	2015	792	711	61	..	1	19	..
	2016	847	749	61	..	11	27	..
	2017	836	736	60	..	11	29	..
	2018	874	737	60	..	11	67	..
Morocco	2015	11,455	8,727	1,770	..	797	161	..
	2016	11,561	8,732	1,770	..	898	161	..
	2017	12,120	9,128	1,770	..	1,017	205	..
	2018	12,350	9,151	1,770	..	1,168	261	..
Mozambique	2015	2,508	410	2,097	..	..	1	..
	2016	2,491	412	2,078	..	..	1	..
	2017	*2,739	*413	*2,311	..	..	15	..
	2018	*2,744	*465	*2,239	..	..	40	..
Namibia	2015	513	155	337	..	0	21	..
	2016	529	143	350	..	0	36	..
	2017	565	143	347	..	5	70	..
	2018	582	143	347	..	5	88	..
Niger	2015	277	270	..	..	..	7	..
	2016	288	280	..	..	..	8	..
	2017	290	281	..	..	..	9	..
	2018	311	291	..	..	..	20	..
Nigeria	2015	*10,439	*8,458	*1,970	..	..	*11	..
	2016	*12,385	*10,403	*1,970	..	..	*12	..
	2017	*12,534	*10,142	*2,380	..	..	*12	..
	2018	*12,305	*10,142	*2,151	..	..	*12	..
Rwanda	2015	172	82	80	9	..
	2016	193	99	84	9	..
	2017	217	104	101	12	..
	2018	217	102	103	12	..

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Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
..	..	..	..	80	..	80	..	0
..	..	..	..	81	*1	80	..	0
..	..	..	..	75	*1	74	..	0
..	..	..	..	75	1	74	..	0
*70	*70	..	..	*32	*23	*9	..	..
*70	*70	..	..	37	28	*9	..	0
*70	*70	..	..	*41	*30	*9	..	*2
*70	*70	..	..	*125	*30	*92	..	*3
..	..	..	..	9,460	9,455	..	..	5
..	..	..	..	10,249	10,244	..	..	5
..	..	..	..	10,243	10,238	..	..	5
..	..	..	..	10,516	10,511	..	..	5
*32	*32	..	..	*511	*347	164	..	0
*40	*40	..	..	486	326	159	..	*1
*60	*60	..	..	603	436	166	..	*1
*60	*60	..	..	*603	*436	*166	..	*1
*215	*210	*5	..	352	*1	351	..	..
*215	*210	*5	..	352	*1	351	..	..
*215	*210	*5	..	352	*1	351	..	..
*215	*210	*5	..	446	*1	445	..	..
114	114	..	..	*781	*290	*490	..	*1
*200	*200	..	..	811	*290	520	..	*1
*260	*260	..	..	852	*300	550	..	*2
*260	*260	..	..	*852	*300	*550	..	*2
*80	*80	..	..	364	312	..	..	52
*80	*80	..	..	*381	*312	..	..	69
*80	*80	..	..	*426	*341	..	..	85
*85	*85	..	..	*485	*364	..	..	121
303	284	..	19	489	427	61	..	1
348	312	..	36	499	437	61	..	1
323	285	..	38	513	452	60	..	1
361	285	..	76	513	452	60	..	1
*3,300	*3,300	..	..	8,155	5,427	1,770	..	958
*3,300	*3,300	..	..	8,261	5,432	1,770	..	1,059
*3,300	*3,300	..	..	8,820	5,828	1,770	..	1,222
*3,300	*3,300	..	..	9,050	5,851	1,770	..	1,429
*48	*25	*22	1	2,460	385	2,075	..	..
*31	*27	*3	1	2,460	385	2,075	..	..
*128	*28	*85	15	*2,611	*385	*2,226	..	..
*155	*30	*85	40	*2,589	*435	*2,154	..	..
..	..	..	..	513	155	337	..	21
..	..	..	..	529	143	350	..	36
..	..	..	..	565	143	347	..	75
..	..	..	..	582	143	347	..	93
60	53	..	7	216	216	..	..	..
61	53	..	8	226	226	..	..	..
62	53	..	9	228	228	..	..	..
73	53	..	20	238	238	..	..	..
*3,051	*3,000	*40	*11	*7,388	*5,458	*1,930	..	..
*3,314	*3,262	*40	*12	*9,071	*7,141	*1,930	..	..
*3,232	*3,180	*40	*12	*9,302	*6,962	*2,340	..	..
*3,232	*3,180	*40	*12	*9,073	*6,962	*2,111
*1	*1	171	81	80	..	9
*1	*1	192	98	84	..	9
*1	*1	216	103	101	..	12
*1	*1	216	101	103	..	12

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Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Sao Tome and Principe	2015	*26	*24	2	..	..	0	..
	2016	*27	*25	2	..	..	0	..
	2017	*29	*26	2	..	..	0	..
	2018	*29	*26	2	..	..	0	..
Senegal	2015	886	834	..	..	..	*21	*31
	2016	*893	*840	..	..	..	22	*31
	2017	1,016	884	..	..	..	102	30
	2018	1,174	1,001	..	..	..	143	*30
Seychelles	2015	116	110	..	..	6	1	..
	2016	*137	*129	..	..	6	2	..
	2017	155	146	..	..	7	3	..
	2018	*155	*146	..	..	6	4	..
Sierra Leone	2015	135	78	56	..	..	0	..
	2016	139	78	60	..	..	1	..
	2017	*142	*78	*60	..	..	4	..
	2018	*137	*76	*57	..	..	4	..
Somalia	2015	80	80	..	..	..	..	..
	2016	80	80	..	..	..	..	..
	2017	80	80	..	..	..	..	..
	2018	80	80	..	..	..	..	..
South Africa	2015	*47,109	*40,581	*740	*1,860	*2,328	*1,600	..
	2016	*49,930	*42,581	*740	1,860	*2,328	*2,421	..
	2017	*53,028	*45,497	761	1,940	*2,330	*2,500	..
	2018	*53,487	*45,497	761	1,940	*2,330	2,959	..
South Sudan	2015	*84	*80	3	..	..	*1	..
	2016	*84	*80	*3	..	..	*1	..
	2017	*131	*120	*3	..	..	*8	..
	2018	*131	*120	*3	..	..	*8	..
St. Helena and Depend.	2015	10	8	..	..	*2	1	..
	2016	11	8	..	..	2	1	..
	2017	11	8	..	..	*3	1	..
	2018	12	8	..	..	3	2	..
Sudan	2015	3,321	1,717	1,593	..	..	11	..
	2016	3,540	1,935	1,593	..	..	12	..
	2017	3,770	2,004	1,753	..	..	13	..
	2018	3,939	2,013	1,907	..	..	19	..
Togo	2015	227	160	67	..	..	..	..
	2016	213	158	55	..	..	..	..
	2017	225	158	67	..	..	..	..
	2018	227	157	67	..	..	3	..
Tunisia	2015	5,447	5,120	62	..	240	25	..
	2016	5,513	5,174	62	..	240	37	..
	2017	5,723	5,372	62	..	240	49	..
	2018	5,800	5,352	62	..	240	146	..
Uganda	2015	861	166	695	..	..	..	..
	2016	872	166	695	..	..	11	..
	2017	913	178	712	..	..	22	..
	2018	984	198	744	..	..	42	..
United Rep. of Tanzania	2015	1,380	800	567	..	..	13	..
	2016	1,394	808	567	..	..	18	..
	2017	1,412	829	562	..	..	22	..
	2018	1,602	1,015	562	..	..	25	..
Zambia	2015	2,411	142	2,269	0	..
	2016	2,827	439	2,388	0	..
	2017	2,897	498	2,398	1	..
	2018	2,898	499	2,398	1	..

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Total	Autoproducers			Main activity producers					
	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other	
..	..	..	..	..	*26	*24	2	..	0
..	..	..	..	..	*27	*25	2	..	0
..	..	..	..	..	*29	*26	2	..	0
..	..	..	..	..	*29	*26	2	..	0
*378	*326	..	*52	508	508	..	..	..	..
*383	*330	..	*53	*510	*510	..	..	..	..
*462	*330	..	132	554	554	..	..	..	..
503	330	..	173	671	671	..	..	..	..
*28	*28	..	..	89	82	..	..	..	7
*28	*28	..	..	*108	*100	..	..	..	8
*29	*29	..	..	126	116	..	..	..	10
*29	*29	..	..	*126	*116	..	..	..	10
*1	*1	..	..	133	77	56	..	..	0
*1	*1	..	..	138	77	60	..	..	1
*1	*1	..	..	*141	*77	*60	..	..	4
*1	*1	..	..	*136	*75	*57	..	..	4
..	..	..	..	80	80	..	..	..	..
..	..	..	..	80	80	..	..	..	..
..	..	..	..	80	80	..	..	..	..
..	..	..	..	80	80	..	..	..	..
*6,068	*2,200	*40	*3,828	*41,041	*38,381	*700	*1,860	..	*100
*9,080	*4,391	40	*4,649	*40,850	*38,190	*700	1,860	..	*100
*7,191	*2,400	61	*4,730	*45,837	*43,097	700	1,940	..	100
*7,650	*2,400	*61	5,189	*45,837	*43,097	700	1,940	..	*100
*41	*40	..	*1	*43	*40	3	..	..	0
*41	*40	..	*1	*43	*40	*3	..	..	0
*41	*40	..	*1	*90	*80	*3	..	..	*7
*41	*40	..	*1	*90	*80	*3	..	..	*7
..	..	..	..	10	8	..	..	..	*3
..	..	..	..	11	8	..	..	..	3
..	..	..	..	11	8	..	..	..	*3
..	..	..	..	12	8	..	..	..	4
201	190	..	11	3,120	1,527	1,593	..	..	..
202	190	..	12	3,338	1,745	1,593	..	..	..
203	190	..	13	3,567	1,814	1,753	..	..	..
218	199	..	19	3,721	1,814	1,907	..	..	..
*8	*8	..	..	219	152	67	..	..	..
*8	*8	..	..	205	150	55	..	..	..
*8	*8	..	..	217	150	67	..	..	..
*11	*8	..	3	216	149	67	..	..	..
*223	*198	..	25	5,224	4,922	62	..	..	240
*235	*198	..	37	5,278	4,976	62	..	..	240
*247	*198	..	49	5,476	5,174	62	..	..	240
*344	*198	..	146	5,456	5,154	62	..	..	240
130	65	65	..	732	102	630	..	..	..
130	65	65	..	742	102	630	..	..	11
160	76	82	2	752	102	630	..	..	21
212	96	114	*2	772	102	630	..	..	41
*33	*20	..	13	1,347	780	567	..	..	..
*38	*20	..	18	1,356	788	567	..	..	..
54	32	..	22	1,358	796	562	..	..	..
211	186	..	25	1,390	829	562	..	..	..
..	..	..	..	2,411	142	2,269	..	..	0
..	..	..	..	2,827	439	2,388	..	..	0
..	..	..	..	2,897	498	2,398	..	..	1
..	..	..	..	2,898	499	2,398	..	..	1

Table 30

Net installed capacity of electricity plants by type

Megawatts

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Zimbabwe	2015	1,992	1,235	757	..	..	..	..
	2016	2,015	1,265	750	..	..	..	..
	2017	2,015	1,265	750	..	..	..	..
	2018	2,315	1,265	1,050	..	..	..	..
America, North	2015	1,324,669	887,706	201,082	114,215	88,653	27,584	5,430
	2016	1,347,192	885,425	203,317	115,206	99,148	38,689	5,407
	2017	1,363,410	884,325	203,992	115,270	105,610	47,962	6,250
	2018	1,387,028	888,864	204,923	115,074	113,894	58,710	5,563
Anguilla	2015	34	33	..	..	..	1	..
	2016	34	33	..	..	..	1	..
	2017	24	24	..	..	..	*1	..
	2018	*25	*24	..	..	..	*1	..
Antigua and Barbuda	2015	*117	*111	..	..	..	6	..
	2016	*117	*111	..	..	..	6	..
	2017	*119	*113	..	..	..	6	..
	2018	91	82	..	..	..	9	..
Aruba	2015	288	258	..	..	30	..	..
	2016	288	258	..	..	30	..	..
	2017	288	258	..	..	30	..	..
	2018	288	258	..	..	30	..	..
Bahamas	2015	576	576	..	..	..	..	..
	2016	576	576	..	..	..	..	..
	2017	576	576	..	..	..	..	..
	2018	576	576	..	..	..	..	..
Barbados	2015	258	249	..	..	..	9	..
	2016	268	249	..	..	..	19	..
	2017	281	262	..	..	..	19	..
	2018	259	234	..	..	..	25	..
Belize	2015	154	99	55	..	..	0	..
	2016	146	94	51	..	..	0	..
	2017	165	113	51	..	..	0	..
	2018	165	113	51	..	..	0	..
Bermuda	2015	*171	*171	..	..	..	..	..
	2016	*171	*171	..	..	..	..	..
	2017	*171	*171	..	..	..	..	..
	2018	*176	*172	..	..	..	4	..
Bonaire, St Eustatius, Saba	2015	*27	*16	..	..	*11	..	..
	2016	33	20	..	..	11	2	..
	2017	*33	*20	..	..	*11	*2	..
	2018	*34	*20	..	..	*12	*2	..
British Virgin Islands	2015	45	44	..	..	1	1	..
	2016	45	44	..	..	1	1	..
	2017	*32	*31	..	..	0	*1	..
	2018	*33	*32	..	..	0	0	..
Canada	2015	144,846	36,871	79,405	14,033	11,214	3,253	*70
	2016	146,601	37,557	80,304	14,033	11,973	2,665	*69
	2017	147,449	37,307	80,831	14,033	12,250	2,932	*96
	2018	148,762	37,322	81,396	14,033	12,816	3,095	*100
Cayman Islands	2015	132	132	..	..	..	..	..
	2016	161	161	..	..	..	..	..
	2017	161	161	..	..	..	..	..
	2018	161	161	..	..	..	..	..
Costa Rica	2015	3,626	661	2,152	..	*565	1	247
	2016	3,824	597	2,328	..	*679	13	207
	2017	3,557	617	2,328	..	378	27	207
	2018	3,676	629	2,388	..	408	44	207

Table 30

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	..	..	1,947	1,190	757	..	..
*45	*45	..	..	1,970	1,220	750	..	..
*45	*45	..	..	1,970	1,220	750	..	..
*45	*45	..	..	2,270	1,220	1,050	..	..
70,415	48,914	6,075	15,426	1,254,254	838,792	195,007	114,215	106,241
77,478	51,737	6,014	19,726	1,269,714	833,687	197,302	115,206	123,518
80,692	51,453	5,814	23,425	1,282,718	832,872	198,178	115,270	136,398
86,034	52,029	5,786	28,219	1,300,994	836,835	199,138	115,074	149,947
..	..	..	..	34	33	..	..	1
..	..	..	..	34	33	..	..	1
..	..	..	..	24	24	..	..	*1
..	..	..	..	*25	*24	..	..	*1
*1	*1	..	..	*116	*110	..	..	6
*1	*1	..	..	*116	*110	..	..	6
*1	*1	..	..	*118	*112	..	..	6
*1	*1	..	..	90	81	..	..	9
..	..	..	..	288	258	..	..	30
..	..	..	..	288	258	..	..	30
..	..	..	..	288	258	..	..	30
..	..	..	..	288	258	..	..	30
*39	*39	..	..	537	537	..	..	..
*39	*39	..	..	537	537	..	..	..
*39	*39	..	..	537	537	..	..	..
*39	*39	..	..	537	537	..	..	..
*10	*10	..	..	248	239	..	..	9
*10	*10	..	..	258	239	..	..	19
*10	*10	..	..	271	252	..	..	19
*10	*10	..	..	249	224	..	..	25
34	34	..	..	121	66	55	..	0
*34	*34	..	..	112	60	51	..	0
*45	*45	..	..	120	68	51	..	0
*45	*45	..	..	120	68	51	..	0
*4	*4	..	..	*167	*167	..	..	..
*4	*4	..	..	*167	*167	..	..	..
*4	*4	..	..	*167	*167	..	..	..
9	5	..	4	*167	*167	..	..	..
..	..	..	..	*27	*16	..	..	*11
..	..	..	..	33	20	..	..	13
..	..	..	..	*33	*20	..	..	*13
..	..	..	..	*34	*20	..	..	*14
..	..	..	..	45	44	..	..	1
..	..	..	..	45	44	..	..	1
..	..	..	..	*32	*31	..	..	*1
..	..	..	..	*33	*32	..	..	*1
11,871	5,738	5,270	863	132,975	31,133	74,135	14,033	13,674
11,947	5,684	5,123	1,140	134,654	31,873	75,181	14,033	13,567
12,071	5,559	5,132	1,380	135,378	31,748	75,699	14,033	13,898
12,412	5,674	5,175	1,563	136,350	31,648	76,221	14,033	14,448
..	..	..	..	132	132	..	..	..
..	..	..	..	161	161	..	..	..
..	..	..	..	161	161	..	..	..
..	..	..	..	161	161	..	..	..
*565	*25	*210	*330	3,061	636	1,942	..	483
*607	*25	*210	*372	3,217	572	2,118	..	527
67	45	0	22	3,490	572	2,328	..	590
97	58	0	39	3,579	572	2,387	..	620

Table 30

Net installed capacity of electricity plants by type

Megawatts

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Cuba	2015	6,314	6,217	63	..	*14	*19	..
	2016	6,454	6,341	66	..	*16	*30	..
	2017	6,476	6,325	66	..	*22	*63	..
	2018	6,661	6,458	64	..	*36	*103	..
Curaçao	2015	301	262	..	..	30	*9	..
	2016	*307	*262	..	..	30	*15	..
	2017	*257	*200	..	..	47	11	..
	2018	*258	*200	..	..	47	11	..
Dominica	2015	45	35	10	..	..	..	..
	2016	45	35	10	..	..	..	..
	2017	45	35	10	..	..	..	..
	2018	45	35	10	..	..	..	..
Dominican Republic	2015	5,230	4,503	617	..	85	23	2
	2016	5,205	4,382	617	..	135	69	2
	2017	5,134	4,276	617	..	135	103	2
	2018	5,278	4,271	617	..	183	203	3
El Salvador	2015	*1,671	*959	497	..	..	11	204
	2016	*1,727	*1,016	495	..	..	12	204
	2017	1,923	*1,034	575	..	..	110	204
	2018	2,009	*1,063	575	..	..	167	204
Greenland	2015	187	*96	91	..	..	..	..
	2016	187	*96	91	..	..	..	..
	2017	187	96	91	..	..	..	..
	2018	*187	*96	*91	..	..	..	..
Grenada	2015	49	48	..	..	..	0	..
	2016	49	48	..	..	..	0	..
	2017	50	50	..	..	..	0	..
	2018	53	52	..	..	..	0	..
Guatemala	2015	3,139	1,905	1,039	..	76	85	34
	2016	3,442	1,942	1,306	..	76	85	34
	2017	3,356	1,845	1,311	..	75	92	34
	2018	3,499	1,770	1,492	..	107	92	39
Haiti	2015	*333	*271	61	..	..	1	..
	2016	*336	*274	61	..	..	1	..
	2017	*344	*282	61	..	..	1	..
	2018	*352	*290	61	..	..	1	..
Honduras	2015	2,250	1,078	632	..	152	388	..
	2016	2,439	1,185	670	..	175	409	..
	2017	2,562	1,185	666	..	225	451	35
	2018	2,637	1,171	696	..	225	511	35
Jamaica	2015	965	871	29	..	65	..	..
	2016	1,031	871	29	..	101	30	..
	2017	1,041	871	29	..	101	40	..
	2018	1,045	874	29	..	102	40	..
Mexico	2015	67,504	49,421	12,223	1,510	3,271	173	906
	2016	72,574	53,047	12,580	1,608	4,051	362	926
	2017	74,431	54,388	12,628	1,608	4,180	642	985
	2018	76,921	54,388	12,628	1,608	4,853	2,434	1,010
Montserrat	2015	5	5	..	..	..	..	..
	2016	5	5	..	..	..	..	..
	2017	5	5	..	..	..	..	..
	2018	5	5	..	..	..	..	..
Nicaragua	2015	1,346	866	138	..	186	1	155
	2016	1,396	912	142	..	186	1	155
	2017	1,482	985	142	..	186	14	155
	2018	1,482	985	142	..	186	14	155

Table 30

Net installed capacity of electricity plants by type

Megawatts

Total	Autoproducers			Main activity producers				
	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
529	529	..	..	5,785	5,688	63	..	*34
494	494	..	..	5,960	5,847	66	..	*47
531	531	..	..	5,945	5,794	66	..	*85
553	553	..	..	6,108	5,905	64	..	*139
146	146	..	..	155	116	..	..	39
*146	*146	..	..	*161	*116	..	..	45
*84	*84	..	..	*173	*116	..	..	57
*84	*84	..	..	*174	*116	..	..	58
18	15	3	..	27	20	7	..	..
18	15	3	..	27	20	7	..	..
18	15	3	..	27	20	7	..	..
*18	*15	3	..	27	20	7	..	..
1,520	1,494	1	24	3,711	3,009	616	..	86
1,395	1,353	1	40	3,809	3,028	616	..	165
1,296	1,219	1	75	3,838	3,057	616	..	165
1,308	1,189	2	117	3,970	3,082	616	..	272
*218	*183	25	11	*1,453	*776	473	..	204
*268	*234	23	12	*1,459	*782	473	..	204
*316	*244	22	50	1,607	*790	553	..	264
*405	*276	22	107	1,604	*787	553	..	264
*16	*16	..	..	171	*80	91	..	..
*16	*16	..	..	171	*80	91	..	..
16	16	..	..	171	80	91	..	..
*16	*16	..	..	*171	*80	*91	..	..
0	0	..	..	48	48	..	..	0
0	0	..	..	48	48	..	..	0
0	0	..	..	50	50	..	..	0
0	0	..	..	52	52	..	..	0
690	686	4	..	2,449	1,219	1,035	..	194
705	701	4	..	2,737	1,241	1,302	..	194
679	675	4	..	2,677	1,170	1,307	..	200
652	647	5	..	2,846	1,122	1,487	..	237
*96	*96	..	..	*237	*175	61	..	1
*96	*96	..	..	*240	*178	61	..	1
*99	*99	..	..	*245	*183	61	..	1
*102	*102	..	..	*250	*188	61	..	1
169	169	..	..	2,081	909	632	..	540
210	210	..	..	2,229	975	670	..	584
210	210	..	..	2,352	975	666	..	711
210	210	..	..	2,428	961	696	..	771
324	262	..	62	641	609	29	..	3
370	262	..	108	661	609	29	..	23
380	262	..	118	661	609	29	..	23
380	262	..	118	665	612	29	..	24
12,648	9,686	195	2,767	54,856	39,735	12,028	1,510	1,583
16,670	12,767	232	3,671	55,904	40,280	12,348	1,608	1,668
16,895	12,772	233	3,890	57,536	41,616	12,395	1,608	1,917
17,897	12,772	233	4,892	59,024	41,616	12,395	1,608	3,405
..	..	..	..	5	5	..	..	..
..	..	..	..	5	5	..	..	..
..	..	..	..	5	5	..	..	..
..	..	..	..	5	5	..	..	..
135	134	1	..	1,211	733	137	..	342
178	177	1	..	1,219	735	142	..	342
178	177	1	..	1,305	809	142	..	355
178	177	1	..	1,305	809	142	..	355

Table 30

Net installed capacity of electricity plants by type

Megawatts

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Panama	2015	3,224	1,202	1,726	..	253	43	..
	2016	3,371	1,235	1,769	..	270	89	8
	2017	3,423	1,225	1,777	..	270	143	8
	2018	4,055	1,811	1,777	..	270	189	8
Puerto Rico	2015	*6,112	*5,800	99	..	125	88	..
	2016	6,257	5,900	99	..	125	133	..
	2017	*6,265	*5,900	*99	..	101	165	..
	2018	*6,265	*5,900	99	..	101	165	..
Sint Maarten (Dutch part)	2015	97	97	..	..	..	..	..
	2016	97	97	..	..	..	..	..
	2017	*88	*88	..	..	..	..	..
	2018	*92	*92	..	..	..	..	..
St. Kitts-Nevis	2015	64	60	..	..	2	*1	..
	2016	65	60	..	..	*2	2	..
	2017	65	60	..	..	*2	2	..
	2018	71	67	..	..	2	2	..
St. Lucia	2015	88	88	..	..	..	..	..
	2016	88	88	..	..	..	..	..
	2017	88	88	..	..	..	..	..
	2018	91	88	..	..	..	3	..
St. Pierre-Miquelon	2015	25	25	..	..	0	..	..
	2016	25	25	..	..	0	..	..
	2017	25	25	..	..	0	..	..
	2018	26	26	..	..	0	..	..
St. Vincent-Grenadines	2015	53	46	6	..	..	1	..
	2016	53	46	6	..	..	1	..
	2017	48	41	6	..	..	1	..
	2018	46	38	6	..	..	2	..
Trinidad and Tobago	2015	2,502	2,499	..	..	..	3	..
	2016	2,505	2,502	..	..	..	3	..
	2017	2,509	2,506	..	..	..	3	..
	2018	2,156	2,153	..	..	..	3	..
Turks and Caicos Islands	2015	82	82	..	..	..	..	..
	2016	82	82	..	..	..	..	..
	2017	82	82	..	..	..	..	..
	2018	84	84	..	..	..	..	..
United States	2015	1,072,470	771,732	102,239	98,672	72,573	23,442	3,812
	2016	1,086,849	764,787	102,692	99,565	81,287	34,716	3,802
	2017	1,100,333	762,765	102,703	99,629	87,597	43,115	4,524
	2018	1,119,131	767,009	102,801	99,433	94,516	51,570	3,802
United States Virgin Is.	2015	340	316	..	..	..	*24	..
	2016	340	316	..	..	..	*24	..
	2017	336	316	..	..	..	*20	..
	2018	336	316	..	..	..	*20	..
America, South	2015	284,326	117,244	152,474	3,753	9,951	837	67
	2016	302,177	122,803	161,189	3,753	12,955	1,476	1
	2017	314,375	125,280	166,089	3,745	15,687	3,550	25
	2018	325,561	126,549	170,756	3,745	18,683	5,787	41
Argentina	2015	37,593	25,541	10,063	1,763	217	9	..
	2016	37,430	25,314	10,127	1,763	217	9	..
	2017	39,764	26,510	11,262	1,755	229	8	..
	2018	42,128	28,122	11,308	1,755	752	191	..
Bolivia (Plur. State of)	2015	*2,417	*1,913	496	..	3	5	..
	2016	*2,447	*1,919	496	..	27	5	..
	2017	*2,611	*1,953	620	..	27	11	..
	2018	*2,772	*1,983	692	..	27	71	..

Table 30

Net installed capacity of electricity plants by type

Megawatts

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
232	172	60	..	2,992	1,030	1,666	..	296
232	172	60	..	3,139	1,063	1,709	..	367
232	172	60	..	3,191	1,053	1,717	..	421
232	172	60	..	3,823	1,639	1,717	..	467
*61	*61	..	..	*6,051	*5,739	99	..	213
*61	*61	..	..	6,196	5,839	99	..	258
*61	*61	..	..	*6,204	*5,839	*99	..	266
*60	*60	..	..	*6,205	*5,840	99	..	266
..	..	..	..	97	97	..	..	..
..	..	..	..	97	97	..	..	..
..	..	..	..	*88	*88	..	..	..
..	..	..	..	*92	*92	..	..	..
*4	*4	..	..	60	56	..	..	4
*4	*4	..	..	61	56	..	..	*4
*4	*4	..	..	61	56	..	..	*4
*4	*4	..	..	67	63	..	..	4
..	..	..	..	88	88	..	..	..
..	..	..	..	88	88	..	..	..
..	..	..	..	88	88	..	..	..
..	..	..	..	91	88	..	..	3
..	..	..	..	25	25	..	..	0
..	..	..	..	25	25	..	..	0
..	..	..	..	25	25	..	..	0
..	..	..	..	26	26	..	..	0
0	..	..	0	53	46	6	..	1
0	..	..	0	53	46	6	..	1
0	..	..	0	48	41	6	..	1
0	..	..	0	45	38	6	..	2
*97	*97	..	..	2,405	2,402	..	..	3
*100	*100	..	..	2,405	2,402	..	..	3
*104	*104	..	..	2,405	2,402	..	..	3
*107	*107	..	..	2,049	2,046	..	..	3
..	..	..	..	82	82	..	..	..
..	..	..	..	82	82	..	..	..
..	..	..	..	82	82	..	..	..
..	..	..	..	84	84	..	..	..
40,974	29,315	306	11,353	1,031,496	742,417	101,933	98,672	88,474
43,858	29,133	357	14,368	1,042,991	735,654	102,335	99,565	105,437
47,338	29,106	357	17,875	1,052,995	733,659	102,346	99,629	117,361
51,200	29,552	284	21,364	1,067,931	737,457	102,517	99,433	128,524
*15	0	..	*15	325	316	..	..	9
*15	0	..	*15	325	316	..	..	9
*15	0	..	*15	321	316	..	..	5
*15	..	..	*15	321	316	..	..	5
34,049	28,555	5,425	69	250,277	88,689	147,049	3,753	10,786
36,542	30,881	5,533	128	265,634	91,922	155,656	3,753	14,303
38,519	32,509	5,611	399	275,856	92,771	160,478	3,745	18,862
39,686	33,264	5,688	734	285,875	93,285	165,069	3,745	23,776
3,646	3,624	20	2	33,947	21,917	10,043	1,763	224
3,614	3,592	20	2	33,816	21,722	10,107	1,763	224
3,614	3,592	20	2	36,150	22,918	11,242	1,755	235
3,614	3,592	20	2	38,514	24,530	11,288	1,755	941
*174	*173	*1	..	*2,243	*1,740	495	..	8
*188	*187	*1	..	*2,259	*1,732	495	..	32
*196	*195	*1	..	*2,415	*1,758	619	..	38
*185	*183	*2	..	*2,588	*1,800	690	..	98

Table 30

Net installed capacity of electricity plants by type

Megawatts

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Brazil	2015	140,857	39,563	91,650	1,990	7,633	21	..
	2016	150,422	41,286	96,931	1,990	10,129	86	..
	2017	157,579	41,881	100,319	1,990	12,293	1,096	..
	2018	163,509	40,561	104,198	1,990	14,400	2,360	..
Chile	2015	21,436	13,451	6,499	..	910	576	0
	2016	24,530	15,695	6,671	..	1,039	1,125	0
	2017	26,309	16,500	6,656	..	1,295	1,834	24
	2018	27,514	16,877	6,630	..	1,529	2,438	40
Colombia	2015	17,686	6,093	11,484	..	18	*25	66
	2016	17,622	5,972	11,606	..	18	*25	0
	2017	17,864	6,084	11,726	..	18	*36	0
	2018	*17,939	*6,084	*11,726	..	*18	111	0
Ecuador	2015	6,545	3,969	2,529	..	21	26	..
	2016	8,697	4,105	4,545	..	21	26	..
	2017	8,385	3,702	4,636	..	21	26	..
	2018	9,028	3,764	5,216	..	21	27	..
Falkland Is. (Malvinas)	2015	11	9	..	..	2	0	..
	2016	11	9	..	..	2	0	..
	2017	11	9	..	..	2	0	..
	2018	11	9	..	..	2	0	..
Guyana	2015	369	366	..	..	0	3	..
	2016	360	356	..	..	0	3	..
	2017	348	343	..	..	0	5	..
	2018	348	340	..	..	0	8	..
Paraguay	2015	8,775	15	8,760	..	..	..	..
	2016	8,761	1	8,760	..	..	..	..
	2017	8,761	1	8,760	..	..	..	..
	2018	8,761	1	8,760	..	..	..	..
Peru	2015	12,089	7,619	4,130	..	240	100	..
	2016	14,517	8,988	5,189	..	240	100	..
	2017	14,775	9,005	5,246	..	240	284	..
	2018	15,214	9,154	5,363	..	372	325	..
Suriname	2015	501	307	189	..	..	5	..
	2016	501	*307	189	..	..	*5	..
	2017	501	*307	189	..	..	*5	..
	2018	504	310	189	..	..	*5	..
Uruguay	2015	3,989	1,530	1,538	..	857	65	..
	2016	3,913	1,075	1,538	..	1,212	89	..
	2017	4,546	1,255	1,538	..	1,511	243	..
	2018	4,912	1,615	1,538	..	1,511	248	..
Venezuela (Bolivar. Rep.)	2015	32,059	16,869	15,137	..	50	2	1
	2016	32,967	17,777	15,137	..	50	2	1
	2017	32,923	17,732	15,137	..	50	3	*1
	2018	32,923	17,732	15,137	..	50	3	*1
Asia	2015	3,130,610	2,205,011	552,326	104,036	166,733	91,886	10,618
	2016	3,390,941	2,346,971	571,960	112,342	196,412	144,517	18,738
	2017	3,533,427	2,370,920	587,717	111,923	217,574	223,520	21,772
	2018	3,698,083	2,438,103	595,110	118,698	240,190	285,562	20,420
Afghanistan	2015	519	*135	384	..	..	..	..
	2016	*519	*135	*384	..	..	..	..
	2017	*519	*135	*384	..	..	..	..
	2018	*519	*135	*384	..	..	..	..
Armenia	2015	3,538	1,840	1,286	408	3	1	..
	2016	3,564	1,840	1,312	408	3	1	..
	2017	3,582	1,840	1,327	408	3	4	..
	2018	3,591	1,827	1,336	408	3	18	..

Table 30

Net installed capacity of electricity plants by type

Megawatts

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
22,851	17,956	4,884	11	118,006	21,607	86,766	1,990	7,643
24,199	19,185	4,949	65	126,223	22,101	91,982	1,990	10,150
24,941	19,751	5,019	171	132,638	22,130	95,300	1,990	13,218
25,498	19,925	5,061	512	138,011	20,636	99,137	1,990	16,248
1,328	1,319	8	1	20,108	12,132	6,491	..	1,485
2,486	2,448	36	2	22,044	13,247	6,635	..	2,162
3,779	3,658	8	113	22,530	12,842	6,648	..	3,040
4,340	4,225	11	104	23,174	12,652	6,619	..	3,903
*1,645	*1,528	*92	*25	16,041	4,565	11,392	..	84
*1,649	*1,530	*94	*25	15,973	4,442	11,512	..	18
*1,649	*1,530	*94	*25	16,215	4,554	11,632	..	29
*1,649	*1,530	*94	*25	*16,290	*4,554	*11,632	..	104
988	861	128	..	5,557	3,109	2,402	..	47
1,090	963	127	..	7,607	3,142	4,418	..	47
*950	*800	*150	..	7,435	2,902	4,486	..	47
980	800	*180	..	8,048	2,964	5,036	..	48
*2	*2	..	..	9	7	..	..	2
*2	*2	..	..	9	7	..	..	2
*2	*2	..	..	9	7	..	..	2
*2	*2	..	..	9	7	..	..	2
54	54	..	..	315	312	..	..	3
54	54	..	..	306	302	..	..	3
50	50	..	..	298	293	..	..	5
51	51	..	..	297	289	..	..	8
..	..	..	..	8,775	15	8,760	..	..
..	..	..	..	8,761	1	8,760	..	..
..	..	..	..	8,761	1	8,760	..	..
..	..	..	..	8,761	1	8,760	..	..
1,578	1,474	104	..	10,511	6,145	4,026	..	340
1,473	1,356	117	..	13,044	7,632	5,072	..	340
1,536	1,366	130	*40	13,239	7,639	5,116	..	484
1,563	1,392	131	*40	13,651	7,762	5,232	..	657
312	123	189	..	189	184	..	..	5
312	*123	189	..	*189	*184	..	..	*5
312	*123	189	..	*189	*184	..	..	*5
312	*123	189	..	192	187	..	..	*5
461	432	..	30	3,527	1,098	1,538	..	891
466	432	..	34	3,447	643	1,538	..	1,266
480	432	..	48	4,066	823	1,538	..	1,705
482	432	..	51	4,429	1,183	1,538	..	1,708
1,010	1,010	..	..	31,049	15,859	15,137	..	53
*1,010	*1,010	..	..	31,957	16,767	15,137	..	53
*1,010	*1,010	..	..	31,913	16,722	15,137	..	54
*1,010	*1,010	..	..	31,913	16,722	15,137	..	54
388,291	320,166	19,347	48,778	2,742,319	1,884,845	532,978	104,036	220,459
342,223	274,881	16,102	51,240	3,048,718	2,072,090	555,858	112,342	308,428
304,859	230,006	16,904	57,949	3,228,568	2,140,914	570,813	111,923	404,918
327,004	249,001	13,463	64,540	3,371,079	2,189,102	581,648	118,698	481,632
*195	65	*130	..	324	*70	254	..	..
*195	*65	*130	..	*324	*70	*254	..	..
*195	*65	*130	..	*324	*70	*254	..	..
*195	*65	*130	..	*324	*70	*254	..	..
..	..	..	..	3,538	1,840	1,286	408	4
..	..	..	..	3,564	1,840	1,312	408	4
2	..	..	2	3,580	1,840	1,327	408	5
10	..	..	10	3,581	1,827	1,336	408	11

Table 30

Net installed capacity of electricity plants by type

Megawatts

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Azerbaijan	2015	7,808	6,692	1,103	..	8	5	..
	2016	7,911	6,766	1,105	..	16	25	..
	2017	7,942	6,791	1,106	..	16	28	..
	2018	7,829	6,597	1,131	..	66	35	..
Bahrain	2015	6,978	6,972	..	..	1	5	..
	2016	6,977	6,971	..	..	1	5	..
	2017	6,977	6,971	..	..	*1	*5	..
	2018	6,977	6,971	..	..	*1	*5	..
Bangladesh	2015	11,150	10,784	*230	..	*1	135	..
	2016	11,866	11,495	230	..	*1	140	..
	2017	12,213	11,817	230	..	*1	165	..
	2018	*15,293	*14,927	230	..	*1	135	..
Bhutan	2015	1,622	8	1,614	..	..	0	..
	2016	1,624	9	1,614	..	1	0	..
	2017	1,623	8	1,614	..	1	0	..
	2018	1,623	8	1,614	..	1	*1	..
Brunei Darussalam	2015	*819	*818	..	..	..	*1	..
	2016	*820	*819	..	..	..	*1	..
	2017	993	992	..	..	..	1	..
	2018	993	992	..	..	..	1	..
Cambodia	2015	1,659	728	930	..	..	*2	..
	2016	1,683	751	930	..	..	*2	..
	2017	1,878	888	980	..	..	10	..
	2018	2,187	847	1,330	..	..	10	..
China	2015	1,628,711	1,095,840	331,671	27,170	130,750	42,180	*1,100
	2016	1,763,172	1,160,274	344,371	33,642	147,472	76,313	*1,100
	2017	1,839,700	1,149,480	356,980	35,820	164,000	130,420	*3,000
	2018	1,959,450	1,194,860	361,130	44,660	184,270	174,330	*200
China, Hong Kong SAR	2015	12,625	12,625	..	..	..	..	..
	2016	12,625	12,625	..	..	..	..	..
	2017	12,492	12,492	..	..	..	..	..
	2018	12,282	12,282	..	..	..	..	..
China, Macao SAR	2015	512	512	..	..	..	..	..
	2016	512	512	..	..	..	..	..
	2017	512	512	..	..	..	..	..
	2018	448	448	..	..	..	..	..
Cyprus	2015	1,752	1,519	..	..	158	76	..
	2016	1,756	1,515	..	..	158	84	..
	2017	1,782	1,515	..	..	158	110	..
	2018	1,794	1,517	..	..	158	119	..
Georgia	2015	2,993	615	2,378	..	..	..	..
	2016	3,299	849	2,430	..	20	..	..
	2017	3,592	849	2,723	..	20	..	..
	2018	3,591	876	2,695	..	20	..	..
India	2015	287,134	210,430	40,337	5,780	*25,088	*5,499	..
	2016	374,789	267,129	44,591	6,780	35,480	12,514	8,295
	2017	400,701	276,294	45,358	6,780	38,186	24,538	9,545
	2018	411,773	282,350	45,447	6,780	38,825	28,455	9,916
Indonesia	2015	74,448	65,967	6,186	..	*5	10	2,280
	2016	59,305	52,622	4,868	..	*7	13	*1,795
	2017	*60,980	*53,517	*5,190	..	*7	*17	*2,249
	2018	64,265	56,383	5,741	..	1	14	2,126
Iran (Islamic Rep. of)	2015	74,185	61,632	11,354	1,020	159	9	12
	2016	74,106	61,262	11,578	1,020	191	43	12
	2017	*76,569	*63,145	11,949	1,020	259	184	12
	2018	*78,794	*65,241	11,953	1,020	282	286	12

Table 30

Net installed capacity of electricity plants by type

Megawatts

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
663	663	..	..	7,145	6,029	1,103	..	13
745	737	..	8	7,167	6,029	1,105	..	33
770	762	..	8	7,172	6,029	1,106	..	36
852	852	..	0	6,977	5,746	1,131	..	101
*3,050	*3,050	..	..	3,928	3,922	..	..	6
*3,050	*3,050	..	..	3,927	3,921	..	..	6
*3,050	*3,050	..	..	3,927	3,921	..	..	*6
*3,050	*3,050	..	..	3,927	3,921	..	..	*6
2,377	2,377	..	..	8,773	8,407	*230	..	136
2,279	2,279	..	..	9,587	9,216	230	..	141
2,404	2,404	..	..	9,809	9,413	230	..	166
*2,636	*2,636	..	..	*12,657	*12,291	230	..	136
..	..	..	..	1,622	8	1,614	..	0
..	..	..	..	1,624	9	1,614	..	1
..	..	..	..	1,623	8	1,614	..	1
..	..	..	..	1,623	8	1,614	..	1
*110	*110	..	..	*709	*708	..	..	*1
*110	*110	..	..	*709	*708	..	..	*1
117	117	..	..	876	875	..	..	1
117	117	..	..	876	875	..	..	1
..	..	..	..	1,659	728	930	..	*2
..	..	..	..	1,683	751	930	..	*2
..	..	..	..	1,878	888	980	..	10
..	..	..	..	2,187	847	1,330	..	10
*102,431	*90,300	*12,131	..	1,526,280	1,005,540	319,540	27,170	174,030
*111,630	*99,330	*12,300	..	1,651,542	1,060,944	332,071	33,642	224,885
*57,400	*44,530	*12,870	..	1,782,300	1,104,950	344,110	35,820	297,420
*59,730	*51,190	*8,540	..	1,899,720	1,143,670	352,590	44,660	358,800
..	..	..	..	12,625	12,625	..	..	..
..	..	..	..	12,625	12,625	..	..	..
..	..	..	..	12,492	12,492	..	..	..
..	..	..	..	12,282	12,282	..	..	..
*40	*40	..	..	472	472	..	..	..
*40	*40	..	..	472	472	..	..	..
*40	*40	..	..	472	472	..	..	..
*40	*40	..	..	408	408	..	..	..
67	41	..	26	1,685	1,478	..	..	208
67	37	..	30	1,689	1,478	..	..	212
72	37	..	35	1,710	1,478	..	..	233
78	37	..	41	1,716	1,481	..	..	236
..	..	..	..	2,993	615	2,378	..	..
..	..	..	..	3,299	849	2,430	..	20
..	..	..	..	3,592	849	2,723	..	20
..	..	..	..	3,591	876	2,695	..	20
82,020	79,955	65	*2,000	205,114	130,475	40,272	5,780	*28,587
52,283	48,799	59	*3,425	322,506	218,330	44,532	6,780	52,864
56,877	53,387	65	*3,425	343,824	222,907	45,293	6,780	68,844
59,594	56,071	48	*3,475	352,179	226,279	45,399	6,780	73,721
*19,054	*17,000	*1,300	*754	55,394	48,967	4,886	..	1,541
*19,325	*17,000	*1,300	*1,025	39,980	35,622	3,568	..	790
*19,881	*17,289	*1,386	*1,206	*41,099	*36,228	*3,804	..	*1,067
21,024	18,863	2,159	2	43,241	37,520	3,582	..	2,139
5,581	5,581	..	..	68,604	56,051	11,354	1,020	179
5,581	5,581	..	..	68,525	55,681	11,578	1,020	246
*5,753	*5,753	..	..	*70,816	*57,392	11,949	1,020	455
*5,905	*5,905	..	..	*72,889	*59,336	11,953	1,020	580

Table 30

Net installed capacity of electricity plants by type

Megawatts

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Iraq	2015	31,148	28,598	2,513	..	..	37	..
	2016	32,214	29,664	2,513	..	..	37	..
	2017	26,133	24,300	1,796	..	..	37	..
	2018	27,412	25,400	1,796	..	..	216	..
Israel	2015	17,221	16,466	7	..	6	742	..
	2016	17,585	16,689	7	..	27	862	..
	2017	17,827	16,813	9	..	27	978	..
	2018	18,019	16,617	9	..	35	1,358	..
Japan	2015	326,444	194,388	50,034	42,048	2,808	34,150	*3,016
	2016	338,210	198,299	50,117	41,482	3,246	42,040	*3,026
	2017	342,198	197,092	50,014	39,132	3,483	49,500	*2,977
	2018	347,368	196,656	50,037	38,042	3,497	56,162	*2,974
Jordan	2015	4,455	4,320	12	..	118	5	..
	2016	4,475	3,969	12	..	198	296	..
	2017	4,506	3,890	12	..	198	406	..
	2018	4,736	3,745	12	..	280	699	..
Kazakhstan	2015	*25,149	*22,500	*2,500	..	*100	*49	..
	2016	*25,223	*22,500	*2,500	..	*170	*53	..
	2017	*25,256	*22,500	*2,500	..	*200	*56	..
	2018	24,658	21,902	*2,500	..	*200	*56	..
Korea, Dem.Ppl's.Rep.	2015	7,435	2,960	4,467	..	..	*8	..
	2016	7,671	2,960	4,701	..	..	*10	..
	2017	7,731	2,960	4,761	..	..	*10	..
	2018	8,160	3,360	4,790	..	..	*10	..
Korea, Republic of	2015	103,191	70,108	6,471	21,716	847	3,615	434
	2016	111,203	75,559	6,485	23,116	1,067	4,502	474
	2017	122,950	86,377	6,489	22,529	1,215	5,834	506
	2018	127,475	89,013	6,490	21,850	1,420	8,099	603
Kuwait	2015	18,279	18,279	..	..	..	..	..
	2016	18,892	18,890	..	..	..	*2	..
	2017	18,765	18,763	..	..	..	*2	..
	2018	18,867	18,863	..	..	..	*4	..
Kyrgyzstan	2015	*3,865	*801	*3,064	..	..	..	..
	2016	*3,786	*722	*3,064	..	..	..	..
	2017	3,869	*734	3,135	..	..	..	..
	2018	*3,869	*734	*3,135	..	..	..	..
Lao People's Dem. Rep.	2015	5,813	1,918	3,894	..	..	2	..
	2016	6,457	1,918	4,538	..	..	2	..
	2017	6,916	1,903	5,006	..	..	7	..
	2018	7,171	1,909	5,256	..	..	7	..
Lebanon	2015	3,643	3,359	*274	..	..	10	..
	2016	3,662	3,359	280	..	..	23	..
	2017	3,698	3,409	*253	..	..	36	..
	2018	3,704	3,409	*253	..	..	42	..
Malaysia	2015	30,440	23,519	5,716	..	..	226	979
	2016	33,090	25,732	6,137	..	..	280	940
	2017	33,334	26,848	6,128	..	..	358	..
	2018	34,389	26,432	6,168	..	..	1,004	786
Maldives	2015	271	266	..	..	1	4	..
	2016	274	266	..	..	1	7	..
	2017	*277	*266	..	..	1	10	..
	2018	*277	*266	..	..	1	10	..
Mongolia	2015	*1,171	*1,092	26	..	52	1	..
	2016	*1,189	*1,103	29	..	52	5	..
	2017	1,286	1,132	29	..	102	23	..
	2018	*1,461	*1,210	31	..	156	64	..

Table 30

Net installed capacity of electricity plants by type

Megawatts

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
37	..	..	37	31,111	28,598	2,513	..	..
37	..	..	37	32,177	29,664	2,513	..	..
37	..	..	37	26,096	24,300	1,796	..	..
216	..	..	216	27,196	25,400	1,796	..	..
1,235	491	2	742	15,986	15,975	5	..	6
1,387	523	2	862	16,198	16,166	5	..	27
1,591	608	5	978	16,236	16,205	4	..	27
2,018	653	7	1,358	16,001	15,964	2	..	35
94,960	51,348	4,248	39,364	231,484	143,040	45,786	42,048	610
63,756	23,907	596	39,253	274,454	174,392	49,521	41,482	9,059
69,367	23,831	452	45,084	272,831	173,261	49,562	39,132	10,876
75,725	25,187	455	50,083	271,643	171,469	49,582	38,042	12,550
*199	*199	..	..	4,256	4,121	12	..	123
*199	*199	..	..	4,276	3,770	12	..	494
*199	*199	..	..	4,307	3,691	12	..	604
*199	*199	..	..	4,537	3,546	12	..	979
*1	..	..	*1	*25,148	*22,500	*2,500	..	*148
*1	..	..	*1	*25,222	*22,500	*2,500	..	*222
*1	..	..	*1	*25,255	*22,500	*2,500	..	*255
*1	..	..	*1	24,657	21,902	*2,500	..	*255
..	..	..	..	7,435	2,960	4,467	..	*8
..	..	..	..	7,671	2,960	4,701	..	*10
..	..	..	..	7,731	2,960	4,761	..	*10
..	..	..	..	8,160	3,360	4,790	..	*10
7,496	6,404	..	1,092	95,695	63,704	6,471	21,716	3,804
7,461	6,656	..	805	103,742	68,903	6,485	23,116	5,238
9,037	8,247	..	790	113,913	78,130	6,489	22,529	6,765
9,862	8,875	..	987	117,613	80,138	6,490	21,850	9,135
*20	*20	..	..	18,259	18,259	..	..	..
22	20	..	..	18,870	18,870	..	..	..
22	20	..	*2	18,743	18,743	..	..	..
74	70	..	*4	18,793	18,793	..	..	..
*6	*6	..	..	*3,859	*795	*3,064	..	..
*6	*6	..	..	*3,780	*716	*3,064	..	..
*6	*6	..	..	3,863	*728	3,135	..	..
*6	*6	..	..	*3,863	*728	*3,135	..	..
..	..	..	..	5,813	1,918	3,894	..	2
..	..	..	..	6,457	1,918	4,538	..	2
..	..	..	..	6,916	1,903	5,006	..	7
..	..	..	..	7,171	1,909	5,256	..	7
*1,060	*1,050	..	10	2,583	2,309	*274	..	..
*1,073	*1,050	..	23	2,589	2,309	280	..	..
*1,136	*1,100	..	36	2,562	2,309	*253	..	..
*1,142	*1,100	..	42	2,562	2,309	*253	..	..
3,072	2,210	2	860	27,368	21,309	5,714	..	345
3,301	2,506	2	793	29,789	23,226	6,135	..	427
2,442	2,438	2	2	30,892	24,410	6,126	..	356
2,676	1,952	0	723	31,714	24,479	6,168	..	1,066
125	125	..	..	146	141	..	..	5
125	125	..	..	149	141	..	..	8
*125	*125	..	..	*152	*141	..	..	11
*125	*125	..	..	*152	*141	..	..	11
36	*10	26	..	*1,135	*1,082	..	..	53
39	*10	29	..	*1,150	*1,093	..	..	57
39	*10	29	..	1,247	1,122	..	..	125
41	*10	31	..	*1,420	*1,200	..	..	220

Table 30

Net installed capacity of electricity plants by type

Megawatts

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Myanmar	2015	5,259	2,076	3,183	..	..	..	..
	2016	5,390	2,135	3,255	..	..	..	..
	2017	5,799	2,387	3,402	..	..	*10	..
	2018	5,828	2,392	3,436	..	..	..	..
Nepal	2015	798	53	738	..	*6	*1	..
	2016	979	53	919	..	*6	*1	..
	2017	*1,141	53	*1,081	..	*6	*1	..
	2018	1,189	53	1,129	..	*6	*1	..
Oman	2015	7,870	7,868	..	..	..	2	..
	2016	8,167	8,165	..	..	..	2	..
	2017	8,236	8,228	..	..	..	8	..
	2018	8,828	8,820	..	..	..	8	..
Other Asia	2015	48,702	37,026	4,691	5,144	941	900	..
	2016	49,618	37,544	4,691	5,144	976	1,263	..
	2017	49,324	36,717	4,691	5,144	986	1,786	..
	2018	52,484	39,510	4,694	4,508	1,016	2,756	..
Pakistan	2015	24,699	16,315	7,115	750	256	100	163
	2016	26,756	17,926	7,115	750	339	400	226
	2017	31,418	21,684	7,115	1,090	791	400	338
	2018	34,880	24,324	7,270	1,430	1,041	436	379
Philippines	2015	18,989	12,864	3,616	..	427	165	1,917
	2016	21,869	15,127	3,634	..	427	765	1,916
	2017	23,341	16,470	3,643	..	427	885	1,916
	2018	23,951	16,967	3,717	..	427	896	1,944
Qatar	2015	*8,561	*8,561	..	..	..	..	..
	2016	*8,559	*8,559	..	..	..	..	..
	2017	*10,170	*10,170	..	..	..	..	..
	2018	*10,590	*10,590	..	..	..	..	..
Saudi Arabia	2015	69,156	69,155	..	..	..	1	..
	2016	74,703	74,702	..	..	0	1	..
	2017	80,474	80,471	..	..	3	1	..
	2018	*76,944	*76,941	..	..	*3	*1	..
Singapore	2015	13,059	13,013	..	..	..	46	..
	2016	13,445	13,348	..	..	..	97	..
	2017	13,612	13,500	..	..	..	112	..
	2018	13,614	13,500	..	..	..	115	..
Sri Lanka	2015	3,948	2,108	1,684	..	127	29	..
	2016	4,010	2,088	1,722	..	129	71	..
	2017	4,094	2,144	1,720	..	128	102	..
	2018	4,124	2,069	1,793	..	128	134	..
State of Palestine	2015	172	160	..	..	..	12	..
	2016	185	160	..	..	..	25	..
	2017	190	160	..	..	..	30	..
	2018	200	160	..	..	..	40	..
Syrian Arab Republic	2015	*9,123	*7,550	1,572	..	1	..	..
	2016	9,687	8,192	1,494	..	1	..	..
	2017	*9,691	*8,199	1,490	..	1	1	..
	2018	10,059	8,567	1,490	..	1	1	..
Tajikistan	2015	6,283	422	5,861	..	..	..	..
	2016	6,577	719	5,858	..	..	..	..
	2017	*6,577	*719	*5,858	..	..	..	..
	2018	*6,619	*719	*5,900	..	..	..	..
Thailand	2015	58,508	51,403	3,453	..	233	*3,419	0
	2016	61,032	53,653	3,452	..	*507	*3,419	0
	2017	61,024	53,505	3,452	..	*628	*3,438	0
	2018	64,051	55,251	3,667	..	1,103	*4,029	0

Table 30

Net installed capacity of electricity plants by type

Megawatts

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
*628	*456	*172	..	4,631	1,620	3,011	..	..
800	628	172	..	4,590	1,507	3,083	..	..
591	414	*177	..	5,208	1,973	3,225	..	*10
673	496	*177	..	5,155	1,896	3,259	..	..
97	..	97	..	701	53	641	..	*7
278	..	278	..	701	53	641	..	*7
513	..	513	0	*628	53	*568	..	*7
561	..	561	0	628	53	568	..	*7
..	..	..	..	7,870	7,868	..	..	2
..	..	..	..	8,167	8,165	..	..	2
..	..	..	..	8,236	8,228	..	..	8
..	..	..	..	8,828	8,820	..	..	8
16,996	15,465	..	1,531	31,706	21,561	4,691	5,144	310
17,113	15,186	..	1,927	32,505	22,358	4,691	5,144	312
17,536	15,076	..	2,460	31,788	21,641	4,691	5,144	312
19,028	15,577	..	3,451	33,456	23,933	4,694	4,508	321
630	467	..	163	24,069	15,848	7,115	750	356
693	467	..	226	26,063	17,459	7,115	750	739
831	493	..	338	30,587	21,191	7,115	1,090	1,191
872	493	..	379	34,008	23,831	7,270	1,430	1,477
*224	*208	*16	..	18,765	12,656	3,600	..	2,509
*444	*428	*16	..	21,425	14,699	3,618	..	3,108
*613	*597	*16	..	22,728	15,873	3,627	..	3,228
*136	*120	*16	..	23,815	16,847	3,701	..	3,267
*7,277	*7,277	..	..	*1,284	*1,284	..	..	..
*7,275	*7,275	..	..	*1,284	*1,284	..	..	..
*8,644	*8,644	..	..	*1,526	*1,526	..	..	..
*9,038	*9,038	..	..	*1,553	*1,553	..	..	..
10,979	10,979	..	..	58,177	58,176	..	..	1
12,124	12,124	..	..	62,579	62,578	..	..	1
14,626	14,626	..	..	65,848	65,845	..	..	3
*19,235	*19,235	..	..	*57,709	*57,706	..	..	*3
418	418	..	..	12,641	12,595	..	..	46
418	418	..	..	13,027	12,931	..	..	97
569	569	..	..	13,043	12,931	..	..	112
569	569	..	..	13,046	12,931	..	..	115
355	20	307	28	3,593	2,088	1,377	..	128
412	24	338	50	3,598	2,064	1,384	..	150
436	29	356	51	3,658	2,115	1,364	..	179
482	*32	394	*56	3,642	2,037	1,399	..	206
26	20	..	6	146	140	..	..	6
33	20	..	13	153	140	..	..	13
35	20	..	15	155	140	..	..	15
40	20	..	20	160	140	..	..	20
*1,095	*1,095	..	..	*8,028	*6,455	1,572	..	1
912	912	..	..	8,775	7,280	1,494	..	1
*912	*912	..	..	*8,779	*7,287	1,490	..	2
972	972	..	..	9,087	7,595	1,490	..	2
..	..	..	..	6,283	422	5,861	..	..
..	..	..	..	6,577	719	5,858	..	..
..	..	..	..	*6,577	*719	*5,858	..	..
42	..	42	..	*6,577	*719	*5,858	..	..
*17,974	*15,974	..	*2,000	40,534	35,429	3,453	..	1,652
*17,974	*15,974	..	*2,000	43,058	37,679	3,452	..	*1,926
*16,949	*14,949	..	*2,000	44,075	38,556	3,452	..	*2,066
*17,755	*15,755	..	*2,000	46,296	39,496	3,667	..	*3,132

Table 30

Net installed capacity of electricity plants by type

Megawatts

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Timor-Leste	2015	283	283	0	..	..	1	..
	2016	283	283	0	..	..	1	..
	2017	283	283	0	..	..	1	..
	2018	283	283	0	..	..	1	..
Turkey	2015	73,147	41,810	25,868	..	4,503	249	717
	2016	78,497	44,278	26,681	..	5,751	833	954
	2017	85,201	46,762	27,273	..	6,516	3,421	1,229
	2018	88,551	46,712	28,291	..	7,006	5,062	1,480
Turkmenistan	2015	*4,400	*4,400	..	..	..	..	..
	2016	4,674	4,674	..	..	..	..	..
	2017	5,200	5,200	..	..	..	..	..
	2018	5,200	5,200	..	..	..	..	..
United Arab Emirates	2015	28,745	28,622	..	..	..	123	..
	2016	28,761	28,638	..	..	..	123	..
	2017	30,371	30,048	..	..	..	323	..
	2018	*30,934	*30,349	..	..	..	585	..
Uzbekistan	2015	13,217	11,335	1,880	..	..	1	..
	2016	14,104	12,222	1,880	..	..	2	..
	2017	14,377	12,516	1,858	..	..	3	..
	2018	14,195	12,276	1,915	..	..	4	..
Viet Nam	2015	*39,133	*22,779	16,213	..	135	6	..
	2016	*43,416	*25,783	17,461	..	166	6	..
	2017	*44,334	*25,953	18,161	..	211	9	..
	2018	*44,815	*26,125	18,341	..	243	106	..
Yemen	2015	1,579	1,519	..	..	..	60	..
	2016	1,769	1,519	..	..	..	*250	..
	2017	*1,769	*1,519	..	..	..	*250	..
	2018	*1,769	*1,519	..	..	..	*250	..
Europe	2015	1,390,982	714,059	265,692	165,429	142,803	99,521	3,478
	2016	1,408,833	708,178	269,123	166,408	155,594	105,992	3,537
	2017	1,431,665	708,160	271,098	166,004	170,462	112,281	3,660
	2018	1,457,716	711,517	272,455	166,820	182,039	121,180	3,705
Albania	2015	1,922	123	1,799	..	..	0	..
	2016	1,925	*123	1,801	..	..	1	..
	2017	2,172	123	2,048	..	..	1	..
	2018	2,229	123	2,105	..	..	1	..
Andorra	2015	51	5	46	..	..	0	..
	2016	51	5	46	..	..	0	..
	2017	52	5	46	..	..	1	..
	2018	53	5	46	..	..	2	..
Austria	2015	24,742	7,665	13,650	..	2,489	937	1
	2016	25,217	7,273	14,117	..	2,730	1,096	1
	2017	24,920	6,613	14,150	..	2,887	1,269	1
	2018	25,620	6,532	14,516	..	3,133	1,438	1
Belarus	2015	9,798	9,750	34	..	7	7	..
	2016	10,009	9,826	74	..	62	47	..
	2017	10,151	9,884	103	..	84	80	..
	2018	*10,269	*9,907	*105	..	101	157	..
Belgium	2015	21,167	8,520	1,422	5,913	2,176	3,132	4
	2016	21,668	8,629	1,425	5,913	2,370	3,327	4
	2017	22,236	8,483	1,417	5,918	2,797	3,617	4
	2018	22,793	8,205	1,418	5,918	3,261	3,987	4
Bosnia and Herzegovina	2015	*4,304	*2,187	*2,117	..	..	..	..
	2016	4,364	2,200	2,155	..	..	9	..
	2017	4,522	2,295	2,211	..	..	16	..
	2018	4,440	2,135	2,236	..	51	18	..

Table 30

Net installed capacity of electricity plants by type

Megawatts

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
..	..	..	..	283	283	0	..	1
..	..	..	..	283	283	0	..	1
..	..	..	..	283	283	0	..	1
..	..	..	..	283	283	0	..	1
4,453	3,811	544	98	68,694	37,999	25,324	..	5,371
5,277	4,223	550	504	73,220	40,055	26,131	..	7,034
6,190	4,417	551	1,222	79,011	42,345	26,722	..	9,944
6,437	4,450	551	1,436	82,114	42,262	27,740	..	12,112
..	..	..	..	*4,400	*4,400	..	..	..
..	..	..	..	4,674	4,674	..	..	..
..	..	..	..	5,200	5,200	..	..	..
..	..	..	..	5,200	5,200	..	..	..
..	..	..	..	28,745	28,622	..	..	123
..	..	..	..	28,761	28,638	..	..	123
..	..	..	..	30,371	30,048	..	..	323
..	..	..	..	*30,934	*30,349	..	..	585
..	..	..	..	13,217	11,335	1,880	..	1
..	..	..	..	14,104	12,222	1,880	..	2
..	..	..	..	14,377	12,516	1,858	..	3
..	..	..	..	14,195	12,276	1,915	..	4
*3,128	*2,814	*308	*6	*36,005	*19,965	15,905	..	135
*5,391	*5,055	*330	*6	*38,025	*20,728	17,131	..	166
*5,483	*5,125	*352	*6	*38,851	*20,828	17,809	..	214
*5,483	*5,125	*352	*6	*39,332	*21,000	17,989	..	343
*177	*117	..	60	1,402	1,402	..	..	..
*367	*117	..	*250	1,402	1,402	..	..	..
*367	*117	..	*250	*1,402	*1,402	..	..	..
*367	*117	..	*250	*1,402	*1,402	..	..	..
112,462	84,309	3,055	25,098	1,278,520	629,750	262,637	165,429	220,704
116,752	84,473	3,261	29,018	1,292,081	623,705	265,862	166,408	236,106
126,077	91,609	3,231	31,237	1,305,588	616,551	267,867	166,004	255,166
132,225	94,678	3,221	34,326	1,325,491	616,839	269,234	166,820	272,598
*25	*25	..	..	1,897	98	1,799	..	0
*25	*25	..	..	1,900	*98	1,801	..	1
25	25	..	..	2,147	98	2,048	..	1
25	25	..	..	2,204	98	2,105	..	1
..	..	..	..	51	5	46	..	0
..	..	..	..	51	5	46	..	0
..	..	..	..	52	5	46	..	1
..	..	..	..	53	5	46	..	2
2,238	1,701	537	..	22,504	5,964	13,113	..	3,427
2,258	1,712	546	..	22,959	5,561	13,571	..	3,827
1,773	1,341	432	..	23,147	5,272	13,718	..	4,157
1,716	1,288	428	..	23,904	5,244	14,088	..	4,572
809	797	6	6	8,989	8,953	28	..	8
856	841	6	9	9,153	8,985	68	..	100
854	806	6	42	9,297	9,078	97	..	122
*900	*810	*7	83	*9,369	*9,097	*98	..	175
4,470	1,321	..	3,149	16,697	7,199	1,422	5,913	2,163
4,817	1,467	..	3,350	16,851	7,162	1,425	5,913	2,351
5,115	1,466	..	3,649	17,121	7,017	1,417	5,918	2,769
5,564	1,545	..	4,019	17,229	6,660	1,418	5,918	3,233
*230	*230	..	..	*4,074	*1,957	*2,117	..	..
*230	*230	..	..	4,134	1,970	2,155	..	9
*230	*230	..	..	4,292	2,065	2,211	..	16
70	70	..	..	4,370	2,065	2,236	..	69

Table 30

Net installed capacity of electricity plants by type

Megawatts

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Bulgaria	2015	11,016	3,991	3,219	1,975	699	1,029	103
	2016	10,904	3,822	3,223	1,967	699	1,028	165
	2017	11,069	3,785	3,372	*1,967	698	1,036	211
	2018	11,286	4,017	3,379	*1,967	699	1,033	191
Croatia	2015	4,764	2,124	2,207	..	*375	*58	..
	2016	4,794	2,082	2,175	..	482	56	..
	2017	4,982	2,141	2,205	..	576	60	..
	2018	4,999	2,142	2,202	..	586	68	*1
Czechia	2015	21,866	12,960	2,260	4,290	281	2,075	..
	2016	21,989	13,087	2,262	4,290	282	2,068	..
	2017	22,267	13,334	2,265	4,290	308	2,070	..
	2018	22,276	13,331	2,264	4,290	316	2,075	..
Denmark	2015	14,002	8,136	7	..	5,077	782	..
	2016	14,226	8,120	9	..	5,246	851	..
	2017	14,321	7,916	9	..	5,490	906	..
	2018	15,073	7,945	9	..	6,121	998	..
Estonia	2015	2,857	2,551	6	..	300	..	..
	2016	2,577	2,251	6	..	310	10	..
	2017	2,542	2,208	7	..	312	15	..
	2018	2,819	2,470	7	..	310	32	..
Faeroe Islands	2015	*128	*69	39	..	20	..	..
	2016	*129	*70	*39	..	*20	..	..
	2017	125	69	40	..	16	..	..
	2018	125	69	40	..	16	..	..
Finland	2015	16,616	9,593	3,249	2,752	1,005	17	..
	2016	16,289	8,672	3,249	2,764	1,565	39	..
	2017	17,174	8,997	3,272	2,779	2,044	82	..
	2018	17,154	8,902	3,287	2,784	2,041	140	..
France	2015	132,219	25,867	25,552	63,130	10,298	7,137	235
	2016	133,150	24,895	25,620	63,130	11,567	7,702	236
	2017	133,089	21,907	25,707	63,130	13,499	8,611	235
	2018	133,457	19,783	25,793	63,130	14,900	9,617	234
Germany	2015	203,255	96,967	11,255	10,799	44,580	39,222	432
	2016	208,215	95,716	11,207	10,799	49,435	40,677	381
	2017	215,324	95,134	11,120	10,799	55,580	42,291	400
	2018	229,195	103,030	10,940	10,799	58,843	45,179	404
Gibraltar	2015	*43	*43	..	..	..	..	..
	2016	*43	*43	..	..	..	..	0
	2017	*43	*43	..	..	..	..	0
	2018	*43	*43	..	..	..	..	0
Greece	2015	18,942	10,855	3,392	..	2,091	2,604	..
	2016	19,165	10,799	3,392	..	2,370	2,604	..
	2017	19,427	10,805	3,392	..	2,624	2,606	..
	2018	19,582	10,644	3,409	..	2,877	2,652	..
Guernsey	2015	*115	*115	..	..	..	..	..
	2016	*115	*115	..	..	..	..	..
	2017	*132	*132	..	..	..	..	..
	2018	*132	*132	..	..	..	0	..
Hungary	2015	8,634	6,062	57	2,000	329	172	14
	2016	8,758	6,100	57	2,000	329	235	37
	2017	8,860	6,090	57	2,000	329	344	40
	2018	9,249	6,083	57	2,013	329	726	41
Iceland	2015	2,772	117	1,987	..	3	..	665
	2016	2,772	117	1,987	..	3	..	665
	2017	2,823	116	1,995	..	2	..	710
	2018	2,973	116	2,099	..	2	..	756

Table 30

Net installed capacity of electricity plants by type

Megawatts

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
240	137	..	103	10,776	3,854	3,219	1,975	1,728
352	187	..	165	10,552	3,635	3,223	1,967	1,727
445	234	..	211	10,624	3,551	3,372	*1,967	1,734
425	234	..	191	10,861	3,783	3,379	*1,967	1,732
167	165	*2	..	4,597	1,959	2,205	..	*433
*167	*165	*2	..	4,627	1,917	2,173	..	537
160	157	3	..	4,822	1,984	2,202	..	636
165	162	*3	..	4,834	1,980	2,199	..	655
1,876	1,685	191	..	19,990	11,275	2,069	4,290	2,356
1,893	1,702	191	..	20,096	11,385	2,071	4,290	2,350
1,936	1,752	184	..	20,331	11,582	2,081	4,290	2,378
1,928	1,745	183	..	20,348	11,586	2,081	4,290	2,391
1,397	615	..	782	12,605	7,521	7	..	5,077
1,470	619	..	851	12,756	7,501	9	..	5,246
1,536	630	..	906	12,785	7,286	9	..	5,490
1,637	639	..	998	13,436	7,306	9	..	6,121
31	25	..	6	2,826	2,526	6	..	294
31	25	..	6	2,546	2,226	6	..	314
27	25	..	2	2,515	2,183	7	..	325
26	25	..	1	2,793	2,445	7	..	341
..	..	..	..	*128	*69	39	..	20
..	..	..	..	*129	*70	*39	..	*20
..	..	..	..	125	69	40	..	16
..	..	..	..	125	69	40	..	16
2,052	1,850	186	16	14,564	7,743	3,063	2,752	1,006
2,068	1,846	186	36	14,221	6,826	3,063	2,764	1,568
2,306	2,039	188	79	14,868	6,958	3,084	2,779	2,047
2,364	2,038	189	137	14,790	6,864	3,098	2,784	2,044
7,918	3,705	184	4,029	124,301	22,162	25,368	63,130	13,641
8,334	3,830	185	4,319	124,816	21,065	25,435	63,130	15,186
8,683	3,703	189	4,791	124,406	18,204	25,518	63,130	17,554
9,210	3,720	184	5,306	124,247	16,063	25,609	63,130	19,445
10,718	10,415	43	260	192,537	86,552	11,212	10,799	83,974
10,588	10,307	43	238	197,627	85,409	11,164	10,799	90,255
11,579	11,310	42	227	203,745	83,824	11,078	10,799	98,044
11,988	11,729	32	227	217,207	91,301	10,908	10,799	104,199
..	..	..	..	*43	*43	..	..	..
..	..	..	..	*43	*43	..	..	0
..	..	..	..	*43	*43	..	..	0
..	..	..	..	*43	*43	..	..	0
561	561	..	..	18,381	10,294	3,392	..	4,695
568	568	..	..	18,597	10,231	3,392	..	4,974
571	571	..	..	18,856	10,234	3,392	..	5,230
568	568	..	..	19,014	10,076	3,409	..	5,529
..	..	..	..	*115	*115	..	..	..
..	..	..	..	*115	*115	..	..	..
..	..	..	..	*132	*132	..	..	..
..	..	..	..	*132	*132	..	..	0
376	206	..	170	8,258	5,856	57	2,000	345
468	222	..	246	8,290	5,878	57	2,000	355
592	253	..	339	8,268	5,837	57	2,000	374
899	246	..	653	8,350	5,837	57	2,013	443
..	..	..	..	2,772	117	1,987	..	668
..	..	..	..	2,772	117	1,987	..	668
..	..	..	..	2,823	116	1,995	..	712
..	..	..	..	2,973	116	2,099	..	758

Table 30

Net installed capacity of electricity plants by type

Megawatts

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Ireland	2015	9,679	6,697	529	..	2,451	2	..
	2016	10,017	6,696	529	..	2,786	6	..
	2017	10,608	6,745	529	..	3,318	16	..
	2018	10,981	6,752	529	..	3,676	24	..
Isle of Man	2015	194	193	1	..	..	..	..
	2016	184	183	1	..	..	..	..
	2017	187	186	1	..	..	..	..
	2018	187	186	1	..	..	..	..
Italy	2015	116,964	65,617	22,220	..	9,137	18,901	1,089
	2016	114,162	62,096	22,298	..	9,384	19,283	1,101
	2017	114,240	61,289	22,426	..	9,737	19,682	1,106
	2018	115,220	61,276	22,498	..	10,230	20,108	1,108
Jersey	2015	78	78	..	..	..	..	..
	2016	78	78	..	..	..	..	..
	2017	78	78	..	..	..	..	..
	2018	78	78	..	..	..	..	..
Kosovo	2015	959	915	43	..	1	..	..
	2016	1,009	915	86	..	1	7	..
	2017	1,409	1,288	80	..	34	7	..
	2018	1,409	1,288	80	..	34	7	..
Latvia	2015	2,931	1,275	1,588	..	68	..	0
	2016	2,927	1,292	1,564	..	70	1	0
	2017	2,942	1,299	1,564	..	78	1	..
	2018	2,915	1,269	1,565	..	79	2	..
Liechtenstein	2015	*16	*1	*10	..	..	*5	..
	2016	*16	*1	*10	..	..	*5	..
	2017	*16	*1	*10	..	..	*5	..
	2018	*16	*1	*10	..	..	*5	..
Lithuania	2015	3,587	2,180	877	..	436	69	25
	2016	3,665	2,184	877	..	509	70	25
	2017	3,326	1,832	877	..	518	74	25
	2018	3,354	1,837	877	..	533	82	25
Luxembourg	2015	2,024	514	1,330	..	64	116	..
	2016	1,710	138	1,330	..	120	122	..
	2017	1,711	133	1,330	..	120	128	..
	2018	1,718	134	1,330	..	123	131	..
Malta	2015	668	593	..	..	0	75	..
	2016	573	480	..	..	0	94	..
	2017	707	595	..	..	0	112	..
	2018	726	595	..	..	0	131	..
Montenegro	2015	870	219	651	..	..	..	..
	2016	870	219	651	..	..	..	..
	2017	949	225	652	..	72	..	..
	2018	*999	*225	*652	..	118	3	..
Netherlands	2015	33,866	28,401	37	485	3,391	1,515	37
	2016	34,176	27,311	37	485	4,257	2,049	37
	2017	33,815	26,150	37	485	4,202	2,904	37
	2018	35,024	25,550	37	485	4,393	4,522	37
North Macedonia	2015	1,790	1,074	658	..	37	17	4
	2016	1,823	1,104	660	..	37	17	5
	2017	1,836	1,104	671	..	37	17	7
	2018	1,839	1,104	674	..	37	17	7
Norway	2015	33,837	1,563	31,372	..	867	..	35
	2016	33,808	1,073	31,817	..	883	..	35
	2017	34,228	1,074	31,912	..	1,207	..	35
	2018	35,348	1,073	32,530	..	1,710	..	35

Table 30

Net installed capacity of electricity plants by type

Megawatts

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
361	343	..	18	9,318	6,354	529	..	2,435
367	345	..	22	9,650	6,351	529	..	2,770
386	350	..	36	10,222	6,395	529	..	3,298
403	356	..	47	10,578	6,396	529	..	3,653
*8	*8	..	..	186	185	1	..	..
8	8	..	..	176	175	1	..	..
8	8	..	..	180	179	1	..	..
8	8	..	..	180	179	1	..	..
5,258	5,042	121	95	111,706	60,575	22,099	..	29,032
4,834	4,658	117	59	109,328	57,438	22,181	..	29,709
5,034	4,863	119	52	109,206	56,426	22,307	..	30,473
5,521	5,347	105	69	109,699	55,929	22,393	..	31,377
*28	*28	..	..	50	50	..	..	..
*28	*28	..	..	50	50	..	..	..
*28	*28	..	..	50	50	..	..	..
*28	*28	..	..	50	50	..	..	..
..	..	..	..	959	915	43	..	1
..	..	..	..	1,009	915	86	..	8
..	..	..	..	1,409	1,288	80	..	40
..	..	..	..	1,409	1,288	80	..	40
42	41	1	0	2,889	1,234	1,587	..	68
44	41	1	2	2,883	1,251	1,563	..	69
34	31	1	2	2,908	1,268	1,563	..	77
35	30	2	3	2,880	1,239	1,563	..	78
..	..	..	..	*16	*1	*10	..	*5
..	..	..	..	*16	*1	*10	..	*5
..	..	..	..	*16	*1	*10	..	*5
..	..	..	..	*16	*1	*10	..	*5
274	249	..	25	3,313	1,931	877	..	505
278	253	..	25	3,387	1,931	877	..	579
280	255	..	25	3,046	1,577	877	..	592
280	255	..	25	3,074	1,582	877	..	615
180	62	2	116	1,844	452	1,328	..	64
201	77	2	122	1,509	61	1,328	..	120
188	58	2	128	1,523	75	1,328	..	120
188	55	2	131	1,530	79	1,328	..	123
78	3	..	75	590	590	..	..	..
98	5	..	94	475	475	..	..	..
117	5	..	112	590	590	..	..	..
136	5	..	131	590	590	..	..	..
..	..	..	..	870	219	651	..	..
..	..	..	..	870	219	651	..	..
..	..	..	..	949	225	652	..	72
..	..	..	..	*999	*225	*652	..	121
7,041	5,001	..	2,040	26,825	23,400	37	485	2,903
7,446	4,920	..	2,526	26,730	22,391	37	485	3,817
8,258	4,919	..	3,339	25,557	21,231	37	485	3,804
10,058	5,444	..	4,614	24,966	20,106	37	485	4,338
0	0	..	..	1,790	1,074	658	..	58
0	0	..	..	1,823	1,104	660	..	59
0	0	..	..	1,836	1,104	671	..	61
..	..	..	..	1,839	1,104	674	..	61
588	553	..	35	33,249	1,010	31,372	..	867
588	553	..	35	33,220	520	31,817	..	883
574	539	..	35	33,654	535	31,912	..	1,207
587	552	..	35	34,761	521	32,530	..	1,710

Table 30

Net installed capacity of electricity plants by type

Megawatts

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Poland	2015	37,327	29,961	2,370	..	4,886	108	2
	2016	38,105	29,783	2,386	..	5,747	187	2
	2017	42,850	34,412	2,391	..	5,758	287	2
	2018	43,046	34,314	2,392	..	5,766	562	12
Portugal	2015	19,624	8,048	6,168	..	4,936	447	25
	2016	20,613	7,990	6,960	..	5,125	513	25
	2017	20,933	7,974	7,226	..	5,125	579	29
	2018	21,185	8,080	7,236	..	5,173	667	29
Republic of Moldova	2015	*1,091	473	16	..	1	1	*600
	2016	*1,063	443	16	..	2	2	*600
	2017	*1,077	450	16	..	9	2	*600
	2018	*1,078	425	16	..	34	3	*600
Romania	2015	23,830	11,233	6,730	1,411	3,130	1,326	..
	2016	23,580	11,038	6,734	1,411	3,025	1,372	..
	2017	23,572	11,067	6,691	1,411	3,029	1,374	..
	2018	23,551	11,022	6,700	1,411	3,032	1,386	..
Russian Federation	2015	257,075	179,148	50,998	26,304	101	446	78
	2016	264,730	185,815	51,016	27,189	96	536	78
	2017	267,639	187,701	51,241	27,952	98	574	74
	2018	271,600	190,215	51,333	29,140	161	678	74
Serbia	2015	7,358	4,327	3,022	..	..	9	..
	2016	7,410	4,352	3,030	..	17	11	..
	2017	7,416	4,343	3,038	..	25	10	..
	2018	8,088	4,873	2,936	..	264	*15	..
Slovakia	2015	7,782	2,754	2,522	1,940	3	533	30
	2016	7,742	2,710	2,524	1,940	3	533	32
	2017	7,671	2,645	2,523	1,940	4	528	31
	2018	7,625	2,651	2,528	1,940	4	471	31
Slovenia	2015	3,360	1,133	1,295	688	5	239	..
	2016	3,536	1,318	1,293	688	5	232	..
	2017	3,619	1,332	1,347	688	5	247	..
	2018	3,798	1,514	1,344	688	5	247	..
Spain	2015	114,057	56,350	20,253	7,399	22,947	7,018	*90
	2016	113,252	55,454	20,280	7,399	22,994	7,030	*95
	2017	111,144	53,510	20,279	7,117	23,104	7,039	*95
	2018	111,093	53,063	20,280	7,117	23,460	7,078	*95
Sweden	2015	40,885	8,945	16,329	9,688	5,819	104	..
	2016	41,511	8,689	16,466	9,768	6,435	153	..
	2017	39,798	7,442	16,502	8,999	6,611	244	..
	2018	41,223	8,408	16,431	8,656	7,300	428	..
Switzerland	2015	19,618	1,016	13,815	3,333	60	1,394	..
	2016	20,839	961	14,806	3,333	75	1,664	..
	2017	21,614	946	15,354	3,333	75	1,906	..
	2018	22,061	940	15,542	3,333	75	2,171	..
Ukraine	2015	55,904	35,335	5,883	13,835	428	423	..
	2016	57,335	36,475	6,172	13,835	428	425	..
	2017	52,764	31,492	6,213	13,835	465	759	..
	2018	51,508	29,753	6,243	13,835	476	1,201	..
United Kingdom	2015	96,395	58,316	4,677	9,487	14,305	9,601	9
	2016	97,739	55,437	4,736	9,497	16,125	11,931	13
	2017	109,286	62,767	4,773	9,361	19,585	12,782	18
	2018	108,280	59,278	4,779	9,314	21,770	13,119	20
Oceania	2015	81,257	55,010	14,184	..	4,975	6,074	1,014
	2016	80,064	52,934	14,179	..	5,079	6,858	1,014
	2017	79,587	51,247	14,188	..	5,584	7,553	1,014
	2018	82,182	51,383	14,440	..	6,448	8,873	1,038

Table 30

Net installed capacity of electricity plants by type

Megawatts

Total	Autoproducers			Main activity producers				
	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
2,138	2,027	1	110	35,189	27,934	2,369	..	4,886
2,078	1,888	1	189	36,027	27,895	2,385	..	5,747
2,773	2,483	1	289	40,077	31,929	2,390	..	5,758
3,669	3,094	1	574	39,377	31,220	2,391	..	5,766
2,049	1,843	6	200	17,575	6,205	6,162	..	5,208
2,043	1,781	6	256	18,570	6,209	6,954	..	5,407
2,084	1,769	6	309	18,849	6,205	7,220	..	5,424
2,236	1,872	6	358	18,949	6,208	7,230	..	5,511
143	143	..	..	*948	330	16	..	*602
113	113	..	..	*950	330	16	..	*604
124	120	..	4	*953	330	16	..	*607
120	95	..	25	*958	330	16	..	*612
3,333	2,338	111	884	20,497	8,895	6,619	1,411	3,572
3,164	2,151	90	923	20,416	8,887	6,644	1,411	3,474
3,022	2,159	81	782	20,550	8,908	6,610	1,411	3,621
2,985	2,150	83	752	20,566	8,872	6,617	1,411	3,666
24,852	24,375	477	..	232,223	154,773	50,521	26,304	625
24,471	24,021	450	..	240,259	161,794	50,566	27,189	710
25,250	24,789	461	..	242,389	162,912	50,779	27,952	746
25,623	25,161	462	..	245,977	165,054	50,871	29,140	913
77	77	..	..	7,281	4,250	3,022	..	9
129	129	..	..	7,281	4,223	3,030	..	28
120	120	..	..	7,296	4,223	3,038	..	35
140	140	..	..	7,948	4,733	2,936	..	279
1,124	635	27	462	6,658	2,119	2,495	1,940	104
1,099	604	31	464	6,643	2,106	2,493	1,940	104
1,076	633	30	413	6,595	2,012	2,493	1,940	150
1,107	769	32	306	6,518	1,882	2,496	1,940	200
395	47	116	232	2,965	1,086	1,179	688	12
388	46	116	226	3,148	1,272	1,177	688	11
402	46	116	240	3,217	1,286	1,231	688	12
403	47	116	240	3,395	1,467	1,228	688	12
*7,304	*7,000	*200	*104	106,753	49,350	20,053	7,399	29,951
*7,304	*7,000	*200	*104	105,948	48,454	20,080	7,399	30,015
*7,304	*7,000	*200	*104	103,840	46,510	20,079	7,117	30,134
*7,355	*7,000	*200	*155	103,738	46,063	20,080	7,117	30,478
*1,202	*1,194	8	..	39,683	7,751	16,321	9,688	5,923
*1,206	*1,194	12	..	40,305	7,495	16,454	9,768	6,588
1,285	1,267	18	..	38,513	6,175	16,484	8,999	6,855
1,448	1,430	18	..	39,775	6,978	16,413	8,656	7,728
2,661	756	511	1,394	16,957	260	13,304	3,333	60
3,103	744	695	1,664	17,736	217	14,111	3,333	75
3,328	689	733	1,906	18,286	257	14,621	3,333	75
3,605	683	751	2,171	18,456	257	14,791	3,333	75
2,759	2,751	5	3	53,145	32,584	5,878	13,835	848
3,469	3,462	5	2	53,866	33,013	6,167	13,835	851
2,265	2,227	7	31	50,499	29,265	6,206	13,835	1,193
2,139	2,091	5	43	49,369	27,662	6,238	13,835	1,634
17,459	6,355	320	10,784	78,936	51,961	4,357	9,487	13,131
20,168	6,707	376	13,085	77,571	48,730	4,360	9,497	14,984
26,306	12,710	412	13,184	82,980	50,057	4,361	9,361	19,201
26,668	13,223	413	13,032	81,612	46,055	4,366	9,314	21,877
12,077	6,002	105	5,969	69,181	49,008	14,078	..	6,094
12,357	5,764	105	6,487	67,707	47,170	14,073	..	6,464
12,829	5,676	99	7,055	66,758	45,572	14,089	..	7,097
13,503	5,984	99	7,420	68,680	45,399	14,342	..	8,939

Table 30

Net installed capacity of electricity plants by type

Megawatts

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
American Samoa	2015	46	44	..	..	..	2	..
	2016	50	46	..	..	..	4	..
	2017	50	46	..	..	..	4	..
	2018	*51	*46	..	..	..	5	..
Australia	2015	68,435	49,983	8,271	..	4,234	5,946	1
	2016	67,265	47,977	8,271	..	4,327	6,689	1
	2017	66,761	46,319	8,271	..	4,816	7,354	1
	2018	69,274	46,445	8,523	..	5,679	8,626	1
Cook Islands	2015	*14	*11	..	..	..	3	..
	2016	*15	*11	..	..	..	4	..
	2017	*15	*11	..	..	..	4	..
	2018	*17	*11	..	..	..	6	..
Fiji	2015	304	156	135	..	10	3	..
	2016	328	*172	130	..	21	5	..
	2017	*360	*194	138	..	*21	7	..
	2018	*363	*194	138	..	*21	10	..
French Polynesia	2015	*252	*177	47	..	..	28	..
	2016	*263	*185	47	..	..	32	..
	2017	*267	*185	47	..	..	35	..
	2018	*268	*186	47	..	0	35	..
Guam	2015	498	472	..	..	0	26	..
	2016	498	472	..	..	0	26	..
	2017	446	420	..	..	0	26	..
	2018	446	420	..	..	0	26	..
Kiribati	2015	*10	*8	..	..	..	2	..
	2016	*11	*8	..	..	..	3	..
	2017	*11	*8	..	..	..	3	..
	2018	*11	*8	..	..	..	3	..
Marshall Islands	2015	37	36	..	..	..	1	..
	2016	*38	*36	..	..	..	2	..
	2017	*39	*37	..	..	..	2	..
	2018	*39	*37	..	..	..	2	..
Micronesia (Fed. States of)	2015	*34	*32	2	..	..	1	..
	2016	*34	*32	2	..	..	1	..
	2017	*34	*32	*2	..	..	1	..
	2018	*36	*32	*2	..	1	2	..
Nauru	2015	*6	*6	..	..	..	0	..
	2016	*7	*6	..	..	..	1	..
	2017	*8	*7	..	..	..	1	..
	2018	*14	*13	..	..	..	1	..
New Caledonia	2015	998	875	78	..	38	7	..
	2016	1,001	875	78	..	38	10	..
	2017	*1,020	*875	78	..	54	13	..
	2018	*1,040	*875	78	..	54	*33	..
New Zealand	2015	9,448	2,384	5,381	..	689	37	957
	2016	9,290	2,210	5,381	..	689	53	957
	2017	9,306	2,209	5,381	..	689	70	957
	2018	9,353	2,212	5,381	..	689	90	981
Niue	2015	*2	*2	..	..	..	0	..
	2016	*2	*2	..	..	..	0	..
	2017	*2	*2	..	..	..	0	..
	2018	*2	*2	..	..	..	0	..
Northern Mariana Islands	2015	*95	*95	..	..	..	..	..
	2016	95	95	..	..	..	..	..
	2017	*95	*95	..	..	..	..	..
	2018	*95	*95	..	..	..	..	..

Table 30

Net installed capacity of electricity plants by type

Megawatts

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
..	..	..	..	46	44	..	..	2
..	..	..	..	50	46	..	..	4
..	..	..	..	50	46	..	..	4
..	..	..	..	*51	*46	..	..	5
11,073	5,221	..	5,852	57,362	44,762	8,271	..	4,329
11,336	4,983	..	6,353	55,929	42,994	8,271	..	4,664
11,785	4,883	..	6,902	54,976	41,436	8,271	..	5,269
12,433	5,191	..	7,242	56,841	41,254	8,523	..	7,064
..	..	..	..	*14	*11	..	..	3
..	..	..	..	*15	*11	..	..	4
..	..	..	..	*15	*11	..	..	4
..	..	..	..	*17	*11	..	..	6
*42	*42	..	..	263	114	135	..	14
*42	*42	..	..	286	*130	130	..	26
*54	*54	..	..	*306	*140	138	..	*28
54	54	..	..	*309	*140	138	..	*31
..	..	..	..	*252	*177	47	..	28
..	..	..	..	*263	*185	47	..	32
..	..	..	..	*267	*185	47	..	35
..	..	..	..	*268	*186	47	..	35
..	..	..	..	498	472	..	..	26
..	..	..	..	498	472	..	..	26
..	..	..	..	446	420	..	..	26
..	..	..	..	446	420	..	..	26
*1	*1	..	..	*9	*7	..	..	2
*1	*1	..	..	*10	*7	..	..	3
*1	*1	..	..	*10	*7	..	..	3
*1	*1	..	..	*10	*7	..	..	3
..	..	..	..	37	36	..	..	1
..	..	..	..	*38	*36	..	..	2
..	..	..	..	*39	*37	..	..	2
..	..	..	..	*39	*37	..	..	2
..	..	..	..	*34	*32	2	..	1
..	..	..	..	*34	*32	2	..	1
..	..	..	..	*34	*32	*2	..	1
..	..	..	..	*36	*32	*2	..	3
..	..	..	..	*6	*6	..	..	0
..	..	..	..	*7	*6	..	..	1
..	..	..	..	*8	*7	..	..	1
..	..	..	..	*14	*13	..	..	1
*60	*60	..	0	937	815	78	..	44
*61	*60	..	1	940	815	78	..	46
*63	*60	..	3	*957	*815	78	..	64
*68	*60	..	*8	*972	*815	78	..	79
285	221	3	61	9,163	2,163	5,378	..	1,622
301	221	3	77	8,989	1,989	5,378	..	1,622
318	221	3	94	8,988	1,988	5,378	..	1,622
338	221	3	114	9,015	1,991	5,378	..	1,646
..	..	..	..	*2	*2	..	..	0
..	..	..	..	*2	*2	..	..	0
..	..	..	..	*2	*2	..	..	0
..	..	..	..	*2	*2	..	..	0
..	..	..	..	*95	*95	..	..	..
..	..	..	..	95	95	..	..	..
..	..	..	..	*95	*95	..	..	..
..	..	..	..	*95	*95	..	..	..

Table 30

Net installed capacity of electricity plants by type

Megawatts

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Palau	2015	31	30	..	..	..	1	..
	2016	40	39	..	..	..	*1	..
	2017	*40	*39	..	..	..	*1	..
	2018	*40	*39	..	..	..	*2	..
Papua New Guinea	2015	*905	*590	*258	..	..	1	56
	2016	*971	*656	*258	..	..	1	56
	2017	*971	*656	*258	..	..	1	56
	2018	*971	*656	*258	..	..	1	56
Samoa	2015	*44	*23	11	..	1	10	..
	2016	*52	*23	*11	..	1	17	..
	2017	*53	*23	*12	..	1	17	..
	2018	*54	*23	*12	..	1	*18	..
Solomon Islands	2015	*37	*36	0	..	..	1	..
	2016	*38	*36	0	..	..	2	..
	2017	*39	*36	0	..	..	3	..
	2018	*39	*36	0	..	..	3	..
Tonga	2015	*17	*15	..	..	0	*2	..
	2016	20	17	..	..	0	2	..
	2017	24	18	..	..	0	6	..
	2018	24	18	..	..	0	6	..
Tuvalu	2015	*5	*3	..	..	..	2	..
	2016	*5	*3	..	..	..	2	..
	2017	*5	*3	..	..	..	2	..
	2018	5	3	..	..	..	2	..
Vanuatu	2015	30	25	1	..	4	0	..
	2016	32	25	1	..	4	1	..
	2017	*33	*25	1	..	3	3	..
	2018	*33	*25	1	..	3	3	..
Wallis and Futuna Is.	2015	9	9	0	..	..	0	..
	2016	*9	*9	0	..	..	0	..
	2017	*9	*9	0	..	..	0	..
	2018	*9	*9	0	..	..	0	..

Table 30

Net installed capacity of electricity plants by type

Megawatts

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
*2	*2	..	..	29	28	..	..	1
*2	*2	..	..	38	37	..	..	*1
*2	*2	..	..	*38	*37	..	..	*1
*2	*2	..	..	*38	*37	..	..	*2
*608	*450	*102	56	*296	*140	*155	..	1
*608	*450	*102	56	*363	*206	*155	..	1
*602	*450	*96	56	*369	*206	*162	..	1
*602	*450	*96	56	*369	*206	*162	..	1
0	..	..	0	*44	*23	11	..	11
0	..	..	0	*52	*23	*11	..	18
0	..	..	0	*53	*23	*12	..	18
0	..	..	0	*54	*23	*12	..	*19
*5	*5	..	..	*32	*31	0	..	1
*5	*5	..	..	*33	*31	0	..	2
*5	*5	..	..	*34	*31	0	..	3
*5	*5	..	..	*34	*31	0	..	3
..	..	..	..	*17	*15	..	..	*2
..	..	..	..	20	17	..	..	2
..	..	..	..	24	18	..	..	6
..	..	..	..	24	18	..	..	6
..	..	..	..	*5	*3	..	..	2
..	..	..	..	*5	*3	..	..	2
..	..	..	..	*5	*3	..	..	2
..	..	..	..	5	3	..	..	2
..	..	..	..	30	25	1	..	4
..	..	..	..	32	25	1	..	5
..	..	..	..	*33	*25	1	..	6
..	..	..	..	*33	*25	1	..	6
..	..	..	..	9	9	0	..	0
..	..	..	..	*9	*9	0	..	0
..	..	..	..	*9	*9	0	..	0
..	..	..	..	*9	*9	0	..	0