

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Table Notes

Data on utilization are derived by dividing the data on electricity production shown in Table 32 by the net installed capacity shown in Table 30, and then by the total number of hours in a year to yield a percentage of theoretical maximal utilization.

For this table, **Other** under total producers refers to geothermal, tide, wave, marine and other non-specified sources. **Other** under autoproducers refers to nuclear (if any), wind, solar, tide, wave, marine and other non-specified sources. **Other** under main activity producers refers to wind, solar, tide, wave, marine and other non-specified sources.

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 74: Utilization of installed electric generating capacity by source and region, 2015

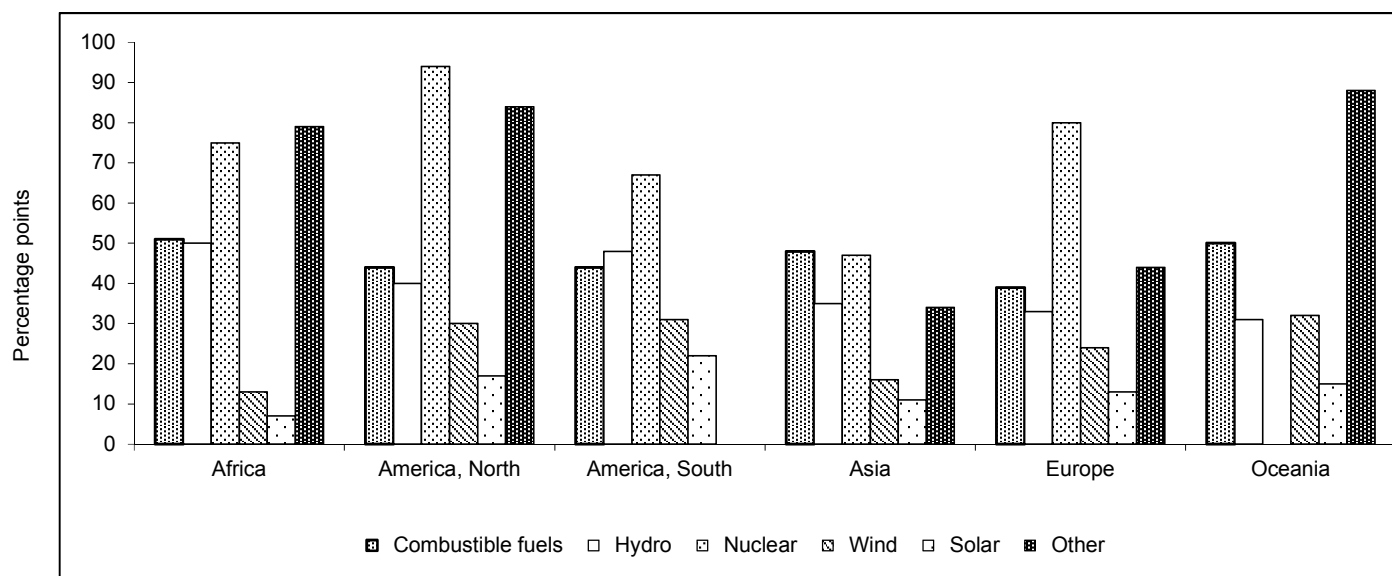


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Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
World	2012	46	47	39	74	22	11	67
	2013	45	47	39	75	24	11	51
	2014	44	46	39	76	23	12	55
	2015	43	46	37	75	22	13	50
Africa	2012	54	54	51	72	23	17	85
	2013	52	52	52	89	27	16	75
	2014	51	51	52	84	24	18	56
	2015	49	51	50	75	13	7	79
Algeria	2012	42	42	24	..	..	..	..
	2013	38	38	13	..	..	..	..
	2014	38	39	10	..	..	..	..
	2015	38	39	6	..	22	15	..
Angola	2012	46	36	57	..	..	..	..
	2013	61	51	72	..	..	..	..
	2014	52	66	44	..	..	..	..
	2015	44	48	41	..	..	..	..
Benin	2012	9	9	..	..	..	..	..
	2013	5	5	..	..	..	..	..
	2014	11	11	..	..	..	..	..
	2015	10	12	3	..	..	1	..
Botswana	2012	19	19	..	..	..	11	..
	2013	12	12	..	..	..	11	..
	2014	43	44	..	..	..	11	..
	2015	55	55	..	..	..	11	..
Burkina Faso	2012	24	23	34	..	..	..	..
	2013	34	33	38	..	..	..	..
	2014	35	35	32	..	..	..	..
	2015	35	35	33	..	..	..	..
Burundi	2012	44	7	50	..	..	..	..
	2013	47	34	49	..	..	..	..
	2014	48	43	50	..	..	..	..
	2015	45	36	47	..	..	..	..
Cabo Verde	2012	32	34	..	..	27	13	..
	2013	32	34	..	..	33	11	..
	2014	30	32	..	..	29	8	..
	2015	30	30	..	..	35	10	..
Cameroon	2012	40	23	55	..	..	..	..
	2013	40	19	64	..	..	..	..
	2014	45	22	71	..	..	..	..
	2015	50	24	79	..	..	..	..
Central African Rep.	2012	46	16	68	..	..	..	..
	2013	36	1	63	..	..	..	..
	2014	44	1	78	..	..	..	..
	2015	44	1	78	..	..	..	..
Chad	2012	57	57	..	..	..	..	..
	2013	30	30	..	..	..	..	..
	2014	30	30	..	..	..	..	..
	2015	30	30	..	..	..	..	..
Comoros	2012	29	29	..	..	..	..	..
	2013	27	27	..	..	..	..	..
	2014	24	24
	2015	18	18
Congo	2012	50	48	51
	2013	50	50	50
	2014	51	53	49
	2015	57	65	51

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Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
42	45	37	14	46	48	39	74	22
43	46	37	14	46	47	39	75	22
39	43	35	14	45	46	39	76	22
37	41	33	14	44	46	38	75	21
39	39	12	12	55	55	52	72	30
36	37	13	8	54	54	53	89	32
30	32	15	12	53	53	53	84	33
28	32	10	12	51	52	51	75	16
14	14	..	..	47	48	24	..	..
14	14	..	..	42	43	13	..	..
13	13	..	..	43	44	10	..	..
14	14	..	..	43	44	6	..	16
31	31	..	..	48	37	57	..	..
42	42	..	..	63	53	72	..	..
48	48	..	..	53	69	44	..	..
35	35	..	..	45	50	41	..	..
29	29	..	..	6	6	..	..	..
27	27	..	..	4	4	..	..	..
28	28	..	..	7	7	..	..	..
28	28	..	..	7	9	3	..	1
..	..	..	..	21	22	..	..	11
..	..	..	..	12	12	..	..	11
..	..	..	..	45	45	..	..	11
..	..	..	..	56	56	..	..	11
27	27	..	..	23	21	34	..	..
..	..	..	..	34	33	38	..	..
..	..	..	..	35	35	32	..	..
..	..	..	..	35	35	33	..	..
..	..	..	..	44	7	50	..	..
..	..	..	..	47	34	49	..	..
..	..	..	..	48	43	50	..	..
..	..	..	..	45	36	47	..	..
18	18	..	..	32	34	..	..	24
17	17	..	..	32	34	..	..	28
15	15	..	..	30	32	..	..	24
15	15	..	..	30	30	..	..	29
35	35	..	..	42	11	55	..	..
40	40	..	..	40	8	64	..	..
45	45	..	..	45	9	71	..	..
48	48	..	..	50	10	79	..	..
..	..	..	..	46	16	68	..	..
..	..	..	..	36	1	63	..	..
..	..	..	..	44	1	78	..	..
..	..	..	..	44	1	78	..	..
..	..	..	..	57	57	..	..	..
..	30	30
..	30	30
..	30	30
..	29	29
..	27	27
..	24	24
..	18	18
51	51	49	..	51
53	53	48	..	50
56	56	47	..	49
92	92	42	..	51

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Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Côte d'Ivoire	2012	57	57	55	..	..	..	..
	2013	57	60	49	..	..	..	..
	2014	57	59	51	..	..	..	..
	2015	52	64	26	..	..	..	..
Dem. Rep. of the Congo	2012	35	9	35	..	..	..	..
	2013	36	9	37	..	..	..	..
	2014	39	7	39	..	..	..	..
	2015	39	7	40	..	..	..	..
Djibouti	2012	35	35	..	..	..	..	..
	2013	35	35	..	..	..	..	..
	2014	35	35	..	..	..	..	..
	2015	36	36	..	..	..	..	..
Egypt	2012	60	61	53	..	26	19	..
	2013	59	60	54	..	28	9	..
	2014	57	58	56	..	30	20	..
	2015	54	55	55	..	21	21	..
Equatorial Guinea	2012	14	25	1	..	..	..	..
	2013	14	25	1	..	..	..	..
	2014	32	25	41	..	..	..	..
	2015	27	22	34	..	..	..	..
Eritrea	2012	29	29	..	..	..	23	..
	2013	30	30	..	..	..	23	..
	2014	32	32	..	..	..	23	..
	2015	29	29	..	..	..	23	..
Ethiopia	2012	38	1	43	..	13	..	26
	2013	43	0	49	..	24	..	28
	2014	47	0	53	..	33	..	31
	2015	49	0	57	..	27	..	..
Gabon	2012	53	48	61	..	..	34	..
	2013	50	44	63	..	..	23	..
	2014	53	53	53	..	..	23	..
	2015	47	40	62	..	..	23	..
Gambia	2012	41	41	..	..	..	..	..
	2013	33	33	..	..	..	..	..
	2014	28	28	..	..	..	..	..
	2015	28	28	..	..	..	..	..
Ghana	2012	48	27	78	..	..	..	..
	2013	49	38	59	..	..	14	..
	2014	49	37	61	..	..	18	..
	2015	34	29	42	..	..	2	..
Guinea	2012	31	20	44	..	..	..	..
	2013	19	7	43	..	..	..	..
	2014	29	21	39	..	..	..	..
	2015	23	15	27	..	..	..	..
Guinea-Bissau	2012	14	14	..	..	..	..	..
	2013	15	15	..	..	..	..	..
	2014	14	14	..	..	..	..	..
	2015	15	15	..	..	..	..	..
Kenya	2012	56	41	60	..	35	..	87
	2013	56	35	66	..	34	..	86
	2014	50	41	51	..	37	..	60
	2015	48	20	50	..	26	..	83
Lesotho	2012	69	..	69
	2013	73	..	74
	2014	73	..	74
	2015	76	..	76

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Total	Autoproducers			Main activity producers				
	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
34	34	..	..	57	58	55	..	..
35	35	..	..	58	60	49	..	..
36	36	..	..	57	60	51	..	..
52	52	..	..	52	65	26	..	..
0	49	0	..	45	3	46	..	..
0	51	0	..	46	3	47	..	..
0	46	0	..	50	2	50	..	..
0	27	0	..	50	4	51	..	..
..	..	..	..	35	35	..	..	..
..	..	..	..	35	35	..	..	..
..	..	..	..	35	35	..	..	..
..	..	..	..	36	36	..	..	..
90	90	..	..	59	60	53	..	25
91	91	..	..	58	59	54	..	24
91	91	..	..	57	57	56	..	28
91	91	..	..	53	54	55	..	21
..	..	..	..	14	25	1	..	..
..	..	..	..	14	25	1	..	..
..	..	..	..	32	25	41	..	..
..	..	..	..	27	22	34	..	..
21	21	..	..	30	30	..	..	23
21	21	..	..	30	30	..	..	23
21	21	..	..	32	32	..	..	23
13	13	..	..	30	30	..	..	23
..	..	..	..	38	1	43	..	13
..	..	..	..	43	0	49	..	24
..	..	..	..	47	0	53	..	33
..	..	..	..	49	0	57	..	26
30	30	..	34	57	54	61	..	..
31	31	..	23	53	48	63	..	..
31	32	..	23	57	59	53	..	..
35	36	..	23	49	42	62	..	..
10	10	..	..	67	67	..	..	..
10	10	..	..	46	46	..	..	..
10	10	..	..	35	36	..	..	..
10	10	..	..	35	36	..	..	..
10	10	..	..	51	30	78	..	..
10	10	..	..	52	42	59	..	14
10	10	..	..	52	42	61	..	18
10	10	..	..	36	31	42	..	2
0	0	..	..	39	31	44	..	..
6	6	..	..	21	8	43	..	..
35	35	..	..	28	14	39	..	..
38	38	..	..	22	6	27	..	..
45	45	..	..	12	12	..	..	..
47	47	..	..	12	12	..	..	..
47	47	12	12
47	47	12	12
..	56	41	60	..	86
..	56	35	66	..	85
..	50	41	51	..	59
..	48	20	50	..	81
..	69	..	69
..	73	..	74
..	73	..	74
..	76	..	76

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Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Liberia	2012	38	38	..	..	..	..	..
	2013	38	38	..	..	..	..	..
	2014	38	38	..	..	..	..	..
	2015	39	39	..	..	..	..	..
Libya	2012	44	44	..	..	..	..	..
	2013	46	46	..	..	..	..	..
	2014	46	46	..	..	..	..	..
	2015	46	46	..	..	..	..	..
Madagascar	2012	34	23	67	..	..	10	..
	2013	36	24	72	..	..	8	..
	2014	37	23	79	..	..	7	..
	2015	39	23	83	..	..	11	..
Malawi	2012	48	10	75	..	..	..	..
	2013	46	10	72	..	..	..	..
	2014	47	10	75	..	..	..	..
	2015	48	10	75	..	..	..	..
Mali	2012	23	20	24	..	..	..	..
	2013	21	17	25	..	..	..	..
	2014	22	27	17	..	..	..	..
	2015	22	28	17	..	..	..	..
Mauritania	2012	48	48	..	..	..	..	..
	2013	40	42	..	..	37	16	..
	2014	40	42	..	..	37	19	..
	2015	26	25	..	..	35	19	..
Mauritius	2012	41	43	14	..	32	7	..
	2013	42	44	18	..	32	13	..
	2014	43	46	17	..	29	16	..
	2015	43	46	23	..	24	16	..
Mayotte	2012	34	37	..	..	..	14	..
	2013	36	39	..	..	..	15	..
	2014	38	41	..	..	..	15	..
	2015	39	43	..	..	..	15	..
Morocco	2012	47	59	12	..	33	..	..
	2013	44	51	19	..	31	..	..
	2014	42	51	13	..	28	..	..
	2015	44	53	15	..	36	0	..
Mozambique	2012	70	1	77	..	..	..	..
	2013	67	27	74	..	..	..	..
	2014	75	44	80	..	..	10	..
	2015	89	71	93	..	..	10	..
Namibia	2012	35	5	49	..	..	..	..
	2013	40	5	56	..	..	..	..
	2014	35	1	51	..	..	..	..
	2015	35	3	51	..	..	..	..
Niger	2012	33	33	..	..	..	0	..
	2013	28	29	..	..	..	0	..
	2014	32	33	..	..	..	0	..
	2015	33	34	..	..	..	0	..
Nigeria	2012	37	38	33	..	..	..	..
	2013	34	34	32	..	..	..	..
	2014	33	34	31	..	..	..	..
	2015	35	35	34	..	..	..	..
Réunion	2012	40	47	42	..	14	14	..
	2013	37	41	48	..	12	16	..
	2014	39	49	36	..	12	16	..
	2015	39	48	42	..	12	15	..

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Total	Autoproducers			Main activity producers				
	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
33	33	..	..	54	54	..	..	..
33	33	..	..	54	54	..	..	..
33	33	..	..	54	54	..	..	..
33	33	..	..	57	57	..	..	..
..	..	..	..	44	44	..	..	..
..	..	..	..	46	46	..	..	..
..	..	..	..	46	46	..	..	..
..	..	..	..	46	46	..	..	..
61	61	..	..	32	20	67	..	1
61	61	..	..	34	20	72	..	1
61	61	..	..	36	20	79	..	1
61	61	..	..	37	20	83	..	1
10	10	11	..	76	52	76	..	..
10	10	11	..	73	52	73	..	..
10	10	13	..	76	52	76	..	..
10	10	11	..	76	27	77	..	..
6	6	..	..	25	27	24	..	..
6	6	..	..	23	21	25	..	..
5	5	..	..	24	36	17	..	..
6	6	..	..	24	36	17	..	..
53	53	..	..	45	45	..	..	..
52	52	..	..	35	37	..	..	20
47	47	..	..	37	40	..	..	22
49	49	..	..	21	19	..	..	29
69	69	..	7	26	27	14	..	32
70	71	..	12	27	28	18	..	32
69	72	..	16	27	29	17	..	29
65	69	..	16	29	30	23	..	24
..	..	..	..	34	37	..	..	14
..	..	..	..	36	39	..	..	15
..	..	..	..	38	41	..	..	15
..	..	..	..	39	43	..	..	15
..	..	..	..	45	58	12	..	33
..	..	..	..	42	51	19	..	31
..	..	..	..	40	50	13	..	28
..	..	..	..	42	53	15	..	30
60	..	60	..	70	1	78	..	..
60	..	60	..	68	27	74	..	..
62	..	63	10	76	44	81	..	..
40	25	60	10	90	74	93	..	..
..	..	..	..	35	5	49	..	..
..	..	..	..	40	5	56	..	..
..	..	..	..	35	1	51	..	..
..	..	..	..	35	3	51	..	..
20	21	..	0	37	37	..	..	..
11	12	..	0	34	34	..	..	..
30	34	..	0	33	33	..	..	..
30	33	..	0	35	35	..	..	..
40	40	33	..	36	37	33	..	..
28	28	31	..	35	36	32
21	21	31	..	38	41	31
22	21	33	..	40	42	34
..	40	47	42	..	14
..	37	41	48	..	16
..	39	49	36	..	15
..	39	48	42	..	15

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Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Rwanda	2012	45	47	43	..	..	14	..
	2013	45	59	32	..	..	6	..
	2014	39	59	29	..	..	7	..
	2015	35	32	40	..	..	18	..
Sao Tome and Principe	2012	44	50	18	..	..	..	..
	2013	40	46	17	..	..	..	..
	2014	38	43	20	..	..	..	..
	2015	40	45	21	..	..	..	..
Senegal	2012	39	39	..	..	..	..	..
	2013	43	45	..	..	..	2	..
	2014	44	46	..	..	..	2	..
	2015	47	48	..	..	..	2	..
Seychelles	2012	48	48	..	..	..	..	..
	2013	47	50	..	..	13	..	..
	2014	48	50	..	..	13	14	..
	2015	50	52	..	..	13	46	..
Sierra Leone	2012	27	26	27	..	..	..	..
	2013	25	25	24	..	..	..	..
	2014	27	27	27	..	..	..	..
	2015	18	12	25	..	..	..	..
Somalia	2012	49	49	..	..	..	..	..
	2013	50	50	..	..	..	..	..
	2014	50	50	..	..	..	..	..
	2015	50	50	..	..	..	..	..
South Africa	2012	66	65	67	72	15	34	..
	2013	66	65	65	89	15	25	..
	2014	60	61	64	84	18	18	..
	2015	55	64	51	75	6	7	..
South Sudan	2012	62	63	..	..	..	11	..
	2013	66	67	..	..	..	11	..
	2014	68	69	..	..	..	11	..
	2015	45	47	..	..	..	11	..
St. Helena and Depend.	2012	14	13	..	..	21	5	..
	2013	15	14	..	..	24	12	..
	2014	13	13	..	..	11	9	..
	2015	11	12	..	..	12	2	..
Sudan	2012	38	26	48	..	..	..	..
	2013	39	20	52	..	..	..	..
	2014	42	22	56	..	..	..	..
	2015	46	32	60	..	..	..	..
Swaziland	2012	40	35	48	..	..	..	..
	2013	38	35	43	..	..	..	..
	2014	34	26	47	..	..	..	..
	2015	30	26	36	..	..	..	..
Togo	2012	20	17	28	..	..	..	..
	2013	18	20	13	..	..	..	..
	2014	18	17	21	..	..	..	..
	2015	22	27	10	..	..	..	..
Tunisia	2012	48	50	20	..	13	12	..
	2013	46	47	11	..	20	18	..
	2014	43	44	10	..	25	19	..
	2015	41	42	13	..	21	19	..
Uganda	2012	46	32	50
	2013	47	11	54
	2014	46	18	53
	2015	44	14	53

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Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
..	..	..	..	45	47	43	..	14
..	..	..	..	45	59	32	..	6
..	..	..	..	39	59	29	..	7
..	..	..	..	35	32	40	..	18
..	..	..	..	44	50	18	..	..
..	..	..	..	40	46	17	..	..
..	..	..	..	38	43	20	..	..
..	..	..	..	40	45	21	..	..
47	47	..	..	33	33	..	..	..
16	17	..	1	64	64	..	..	..
16	16	..	1	66	66	..	..	..
18	18	..	1	68	68	..	..	..
..	..	..	..	48	48	..	..	..
..	..	..	..	47	50	..	..	13
..	..	..	..	48	50	..	..	13
..	..	..	..	50	52	..	..	16
..	..	..	..	27	26	27	..	..
..	..	..	..	25	25	24	..	..
..	..	..	..	27	27	27	..	..
..	..	..	..	18	12	25	..	..
..	..	..	..	49	49	..	..	..
..	..	..	..	50	50	..	..	..
..	..	..	..	50	50	..	..	..
..	..	..	..	50	50	..	..	..
57	58	41	11	66	66	69	72	29
60	63	39	11	66	65	66	89	33
35	55	35	12	62	61	66	84	30
28	50	32	12	59	65	51	75	1
65	66	..	11	59	60	..	..	11
68	70	..	11	63	64	..	..	11
71	72	..	11	65	66	..	..	11
48	49	..	11	41	45	..	..	11
..	..	..	..	14	13	..	..	20
..	..	..	..	15	14	..	..	23
..	..	..	..	13	13	..	..	11
..	..	..	..	11	12	..	..	10
..	..	..	..	37	25	48	..	..
..	..	..	..	38	17	52	..	..
..	..	..	..	42	22	56	..	..
..	..	..	..	46	32	60	..	..
36	37	..	..	46	9	52	..	..
36	37	..	..	41	10	46	..	..
28	29	..	..	44	0	50	..	..
28	29	..	..	34	0	38	..	..
16	16	..	..	20	17	28	..	..
10	10	..	..	18	21	13	..	..
16	16	..	..	18	17	21	..	..
17	17	..	..	23	28	10	..	..
45	30	..	12	48	50	20	..	13
41	30	..	18	46	48	11	..	20
41	32	..	19	43	45	10	..	25
50	42	..	19	41	42	13	..	21
61	67	60	..	45	27	49
56	40	65	..	46	0	53
54	45	62	..	44	8	52
40	30	49	..	45	6	53

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Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
United Rep. of Tanzania	2012	57	80	36	..	..	25	..
	2013	61	88	35	..	..	24	..
	2014	64	75	53	..	..	29	..
	2015	52	59	42	..	..	34	..
Zambia	2012	72	2	75	..	..	..	..
	2013	75	2	80	..	..	..	..
	2014	67	24	71	..	..	..	..
	2015	64	33	66	..	..	..	..
Zimbabwe	2012	49	32	81	..	..	..	..
	2013	51	38	75	..	..	..	..
	2014	56	41	81	..	..	..	..
	2015	55	42	74	..	..	..	..
America, North	2012	47	44	43	89	27	13	68
	2013	47	44	43	93	31	14	66
	2014	47	44	42	95	32	17	62
	2015	47	44	40	94	30	17	69
Anguilla	2012	36	36	..	..	..	..	..
	2013	36	36	..	..	..	..	..
	2014	36	36	..	..	..	..	..
	2015	38	38	..	..	..	..	..
Antigua and Barbuda	2012	45	45	..	..	..	..	..
	2013	32	32	..	..	..	..	..
	2014	32	32	..	..	..	..	..
	2015	33	33	..	..	..	..	..
Aruba	2012	33	31	..	..	52	..	..
	2013	37	35	..	..	53	..	..
	2014	36	34	..	..	53	..	..
	2015	37	35	..	..	53	..	..
Bahamas	2012	37	37	..	..	..	..	..
	2013	36	36	..	..	..	..	..
	2014	38	38	..	..	..	..	..
	2015	42	42	..	..	..	..	..
Barbados	2012	53	53	..	..	..	..	..
	2013	48	48	..	..	..	..	..
	2014	47	47	..	..	..	..	..
	2015	47	47	..	..	..	..	..
Belize	2012	34	27	45	..	..	..	..
	2013	30	21	43	..	..	..	..
	2014	30	23	43	..	..	..	..
	2015	31	26	40	..	..	..	..
Bermuda	2012	47	47	..	..	..	..	..
	2013	45	45	..	..	..	..	..
	2014	44	44	..	..	..	..	..
	2015	45	45	..	..	..	..	..
Bonaire, St Eustatius, Saba	2012	48	57	..	..	34	..	..
	2013	49	56	..	..	39	..	..
	2014	51	56	..	..	44	..	..
	2015	54	61	..	..	42	..	..
British Virgin Islands	2012	34	34	..	..	24	11	..
	2013	33	34	..	..	24	11	..
	2014	34	34	..	..	24	11	..
	2015	34	34	..	..	24	11	..
Canada	2012	55	48	57	81	21	13	61
	2013	57	48	59	84	26	14	54
	2014	55	48	58	87	27	13	50
	2015	51	43	55	83	27	13	49

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Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
6	..	..	25	59	83	36	..	..
6	..	..	24	62	91	35	..	..
8	..	..	29	65	78	53	..	..
9	..	..	34	53	61	42	..	..
..	..	..	..	72	2	75	..	..
..	..	..	..	75	2	80	..	..
..	..	..	..	67	24	71	..	..
..	..	..	..	64	33	66	..	..
47	47	..	..	49	31	81	..	..
47	47	..	..	51	38	75	..	..
7	7	..	..	57	42	81	..	..
14	14	..	..	56	43	74	..	..
52	55	67	18	47	44	42	89	29
52	58	66	17	47	43	42	93	32
52	58	65	19	47	43	41	95	32
51	59	66	19	46	44	39	94	30
..	..	..	..	36	36	..	..	..
..	..	..	..	36	36	..	..	..
..	..	..	..	36	36	..	..	..
..	..	..	..	38	38	..	..	..
11	11	..	..	45	45	..	..	..
11	11	..	..	32	32	..	..	..
11	11	..	..	32	32	..	..	..
11	11	..	..	33	33	..	..	..
..	..	..	..	33	31	..	..	52
..	..	..	..	37	35	..	..	53
..	..	..	..	36	34	..	..	53
..	..	..	..	37	35	..	..	53
15	15	..	..	39	39	..	..	..
15	15	..	..	39	39	..	..	..
22	22	..	..	39	39	..	..	..
22	22	..	..	43	43	..	..	..
23	23	..	..	54	54	..	..	..
17	17	..	..	48	48	..	..	..
16	16	..	..	48	48	..	..	..
20	20	..	..	48	48	..	..	..
31	31	..	..	34	25	45	..	..
32	32	..	..	29	18	43	..	..
23	23	..	..	32	23	43	..	..
24	24	..	..	33	27	40	..	..
36	36	..	..	47	47	..	..	..
36	36	..	..	45	45	..	..	..
36	36	..	..	44	44	..	..	..
36	36	..	..	45	45	..	..	..
..	..	..	..	48	57	..	..	34
..	..	..	..	49	56	..	..	39
..	..	..	..	51	56	..	..	44
..	..	..	..	54	61	..	..	42
..	..	..	..	34	34	..	..	23
..	..	..	..	33	34	..	..	19
..	..	..	..	34	34	..	..	16
..	..	..	..	34	34	..	..	16
65	59	71	..	55	46	56	81	23
75	87	67	3	55	43	59	84	26
79	96	67	20	54	41	57	87	26
83	104	67	35	49	36	54	83	26

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Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Cayman Islands	2012	46	46	..	..	..	..	..
	2013	47	47	..	..	..	..	..
	2014	54	54	..	..	..	..	..
	2015	55	55	..	..	..	..	..
Costa Rica	2012	43	18	49	..	40	15	74
	2013	42	25	45	..	24	28	80
	2014	36	22	37	..	28	28	71
	2015	36	5	43	..	33	29	64
Cuba	2012	37	37	20	..	..	..	..
	2013	36	36	23	..	..	..	..
	2014	36	36	19	..	..	..	..
	2015	37	37	9	..	..	..	..
Curaçao	2012	40	43	..	..	12	..	..
	2013	39	42	..	..	12	..	..
	2014	38	42	..	..	12	..	..
	2015	34	36	..	..	12	..	..
Dominica	2012	42	39	57	..	..	..	..
	2013	40	36	63	..	..	..	..
	2014	41	38	53	..	..	..	..
	2015	42	42	42	..	..	..	..
Dominican Republic	2012	33	34	33	..	13	9	80
	2013	33	33	35	..	32	11	79
	2014	33	34	24	..	32	13	80
	2015	36	38	17	..	39	14	81
El Salvador	2012	48	41	45	..	..	..	86
	2013	47	39	43	..	..	..	87
	2014	45	38	41	..	..	..	87
	2015	41	36	33	..	..	..	86
Greenland	2012	30	14	52	..	..	..	..
	2013	29	11	47	..	..	..	..
	2014	30	11	50	..	..	..	..
	2015	32	12	53	..	..	..	..
Grenada	2012	47	47	..	..	..	..	..
	2013	46	46	..	..	..	..	..
	2014	47	47	..	..	..	..	..
	2015	49	49	..	..	..	..	..
Guadeloupe	2012	36	39	18	..	21	16	40
	2013	35	38	25	..	24	17	64
	2014	36	38	35	..	23	17	59
	2015	35	38	28	..	22	17	65
Guatemala	2012	38	30	51	..	..	..	89
	2013	38	31	53	..	..	..	49
	2014	47	40	56	..	..	16	83
	2015	36	30	48	..	16	20	58
Haiti	2012	47	49	41	..	..	..	..
	2013	35	40	21	..	..	..	..
	2014	37	42	17	..	..	..	..
	2015	36	40	16	..	..	..	..
Honduras	2012	50	46	59	..	38	..	..
	2013	51	50	56	..	35	..	..
	2014	48	50	48	..	30	..	..
	2015	45	63	42	..	50	..	..
Jamaica	2012	52	52	75	..	30	..	..
	2013	52	52	62	..	31	..	..
	2014	50	51	53	..	33	..	..
	2015	40	50	16	..	14	16	..

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
..	..	..	..	46	46	..	..	..
..	..	..	..	47	47	..	..	..
..	..	..	..	54	54	..	..	..
..	..	..	..	55	55	..	..	..
67	97	74	53	39	15	45	..	64
66	84	74	50	38	22	41	..	51
72	82	73	69	32	20	33	..	40
92	82	98	84	29	2	37	..	34
18	18	..	..	39	39	20	..	..
21	21	..	..	37	37	23	..	..
19	19	..	..	37	38	19	..	..
19	19	..	..	38	39	9	..	..
42	42	..	..	37	45	..	..	12
41	41	..	..	37	44	..	..	12
41	41	..	..	36	43	..	..	12
36	36	..	..	32	37	..	..	12
35	35	..	..	46	42	57	..	..
35	35	..	..	43	36	63	..	..
35	35	..	..	44	41	53	..	..
35	35	..	..	46	47	42	..	..
12	12	50	44	47	51	33	..	13
14	14	50	24	46	48	35	..	32
13	13	50	20	45	50	23	..	32
13	13	50	20	50	57	17	..	39
41	41	..	..	49	41	45	..	86
39	39	..	..	48	39	43	..	87
39	39	..	..	46	38	41	..	87
28	28	..	..	44	39	33	..	86
..	..	..	..	34	16	52	..	..
..	..	..	..	32	14	47	..	..
..	..	..	..	33	13	50	..	..
..	..	..	..	35	14	53	..	..
..	..	..	..	47	47	..	..	..
..	..	..	..	46	46	..	..	..
..	..	..	..	47	47	..	..	..
..	..	..	..	49	49	..	..	..
12	12	..	..	38	44	18	..	21
9	9	..	..	39	43	25	..	25
12	12	..	..	38	43	35	..	24
11	11	..	..	38	42	28	..	25
17	16	59	..	42	34	51	..	89
16	16	73	..	44	37	53	..	49
21	20	73	..	52	48	56	..	74
14	14	73	..	42	39	48	..	28
7	7	..	..	62	72	41	..	..
6	6	..	..	47	59	21	..	..
11	11	..	..	47	59	17	..	..
25	25	..	..	40	49	16	..	..
37	37	..	..	51	48	59	..	38
38	38	..	..	52	52	56	..	35
22	22	..	..	51	56	48	..	30
32	32	..	..	47	69	42	..	14
58	62	..	32	49	48	75	..	..
73	78	..	34	42	41	62	..	..
63	67	..	35	44	43	53	..	..
59	74	..	17	33	39	16	..	12

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Martinique	2012	44	50	..	..	17	8	..
	2013	43	49	..	..	17	8	..
	2014	41	46	..	..	17	8	..
	2015	41	46	..	..	21	8	..
Mexico	2012	55	61	31	72	23	14	81
	2013	53	59	27	96	23	15	84
	2014	52	56	36	79	29	22	84
	2015	53	59	29	88	31	16	80
Montserrat	2012	58	58	..	..	..	..	..
	2013	58	58	..	..	..	..	..
	2014	50	50	..	..	..	..	..
	2015	50	50	..	..	..	..	..
Nicaragua	2012	36	36	45	..	26	..	36
	2013	37	32	43	..	44	..	50
	2014	38	33	37	..	52	..	49
	2015	39	36	28	..	53	..	50
Panama	2012	41	39	42	..	..	..	..
	2013	40	42	39	..	..	..	..
	2014	37	41	35	..	24	6	..
	2015	35	33	40	..	18	2	..
Puerto Rico	2012	43	44	14	..	2	29	..
	2013	41	42	10	..	16	8	..
	2014	40	41	9	..	20	8	..
	2015	40	41	6	..	22	12	..
Sint Maarten (Dutch part)	2012	47	47	..	..	..	..	..
	2013	48	48	..	..	..	..	..
	2014	49	49	..	..	..	..	..
	2015	51	51	..	..	..	..	..
St. Kitts-Nevis	2012	40	40	..	..	40	..	..
	2013	40	41	..	..	42	15	..
	2014	39	40	..	..	42	19	..
	2015	40	41	..	..	42	19	..
St. Lucia	2012	51	51	..	..	..	..	..
	2013	51	51	..	..	..	..	..
	2014	49	49	..	..	..	..	..
	2015	49	49	..	..	..	..	..
St. Pierre-Miquelon	2012	19	19	..	..	17	..	..
	2013	19	19	..	..	17	..	..
	2014	20	21	..	..	12	..	..
	2015	21	21	..	..	12	..	..
St. Vincent-Grenadines	2012	27	29	22	..	..	..	..
	2013	27	29	22	..	..	..	..
	2014	31	33	22	..	..	..	..
	2015	33	35	23	..	..	..	..
Trinidad and Tobago	2012	40	40	..	..	..	..	..
	2013	42	42	..	..	..	..	..
	2014	43	43	..	..	..	..	..
	2015	45	45	..	..	..	..	..
Turks and Caicos Islands	2012	32	32	..	..	..	..	..
	2013	31	31	..	..	..	..	..
	2014	33	33	..	..	..	..	..
	2015	33	33	..	..	..	..	..
United States	2012	46	43	34	90	27	13	66
	2013	46	43	33	95	32	14	63
	2014	46	43	31	96	33	17	58
	2015	46	44	30	96	30	17	73

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
86	86	..	..	44	49	..	..	8
86	86	..	..	43	49	..	..	8
86	86	..	..	41	45	..	..	8
86	86	..	..	40	45	..	..	8
44	47	50	18	57	64	31	72	61
41	46	51	18	55	62	27	96	63
42	45	44	25	54	59	35	79	65
44	48	45	27	55	61	29	88	64
..	..	..	..	58	58	..	..	..
..	..	..	..	58	58	..	..	..
..	..	..	..	50	50	..	..	..
..	..	..	..	50	50	..	..	..
42	43	13	..	35	35	45	..	31
45	45	13	..	36	30	43	..	47
46	46	13	..	37	31	37	..	50
43	43	13	..	39	35	28	..	52
1	2	..	..	45	46	44	..	..
2	2	..	..	44	49	41	..	..
1	2	..	..	41	50	37	..	23
2	2	..	..	37	38	42	..	14
47	47	..	..	43	44	14	..	3
47	47	..	..	41	42	10	..	13
47	47	..	..	40	41	9	..	15
47	47	..	..	39	41	6	..	18
..	..	..	..	47	47	..	..	..
..	..	..	..	48	48	..	..	..
..	..	..	..	49	49	..	..	..
..	..	..	..	51	51	..	..	..
2	2	..	..	43	43	..	..	40
3	3	..	..	43	43	..	..	35
3	3	..	..	42	43	..	..	33
3	3	..	..	43	43	..	..	33
..	..	..	..	51	51	..	..	..
..	..	..	..	51	51	..	..	..
..	..	..	..	49	49	..	..	..
..	..	..	..	49	49	..	..	..
..	..	..	..	19	19	..	..	17
..	..	..	..	19	19	..	..	17
..	..	..	..	20	21	..	..	12
..	..	..	..	21	21	..	..	12
..	..	..	..	27	29	22	..	..
..	..	..	..	27	29	22	..	..
..	..	..	..	31	33	22	..	..
..	..	..	..	33	35	23	..	..
4	4	..	..	43	43	..	..	..
5	5	..	..	45	45	..	..	..
5	5	..	..	47	47	..	..	..
5	5	..	..	49	49	..	..	..
..	..	..	..	32	32	..	..	..
..	..	..	..	31	31	..	..	..
..	..	..	..	33	33	..	..	..
..	..	..	..	33	33	..	..	..
55	63	41	17	46	43	34	90	29
54	64	60	16	46	43	32	95	32
53	63	50	16	46	43	31	96	32
50	63	54	16	46	43	30	96	31

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
United States Virgin Is.	2012	30	30	..	..	..	15	..
	2013	29	30	..	..	..	15	..
	2014	27	28	..	..	..	15	..
	2015	27	28	..	..	..	15	..
America, South	2012	50	41	56	85	29	11	..
	2013	49	42	54	82	32	21	..
	2014	48	44	52	80	27	21	..
	2015	46	44	48	67	31	22	..
Argentina	2012	44	47	34	72	31	8	..
	2013	41	41	38	70	27	21	..
	2014	44	42	47	65	36	23	..
	2015	44	44	44	46	32	19	..
Bolivia (Plur. State of)	2012	46	44	54	..	..	17	..
	2013	44	39	59	..	23	17	..
	2014	62	65	56	..	30	14	..
	2015	44	41	58	..	17	16	..
Brazil	2012	52	40	56	91	31	..	..
	2013	51	49	52	89	34	16	..
	2014	50	57	48	88	29	12	..
	2015	47	53	45	85	32	32	..
Chile	2012	44	47	38	..	23	0	..
	2013	45	50	37	..	21	6	..
	2014	35	33	41	..	23	23	..
	2015	40	40	42	..	27	23	..
Colombia	2012	52	46	55	..	35	..	..
	2013	53	59	51	..	37	..	..
	2014	54	57	53	..	37	..	..
	2015	46	51	45	..	37	..	..
Ecuador	2012	48	38	62	..	11	47	..
	2013	49	43	58	..	34	11	..
	2014	48	42	58	..	43	7	..
	2015	49	41	62	..	53	16	..
Falkland Is. (Malvinas)	2012	17	15	..	..	22	..	..
	2013	17	15	..	..	22	..	..
	2014	17	15	..	..	22	..	..
	2015	17	15	..	..	22	..	..
French Guiana	2012	34	22	54	..	..	17	..
	2013	35	29	47	..	..	15	..
	2014	36	29	48	..	..	18	..
	2015	36	31	47	..	..	16	..
Guyana	2012	30	30	..	..	..	..	..
	2013	29	29	..	..	..	..	..
	2014	29	29	..	..	..	..	..
	2015	31	31	..	..	..	..	..
Paraguay	2012	78	6	78	..	..	..	..
	2013	78	2	78	..	..	..	..
	2014	72	5	72	..	..	..	..
	2015	72	1	72	..	..	..	..
Peru	2012	47	33	72	..	20	9	..
	2013	45	32	72	..	20	28	..
	2014	46	36	69	..	20	24	..
	2015	46	36	66	..	28	26	..
Suriname	2012	48	35	67	..	..	..	..
	2013	43	31	67	..	..	..	..
	2014	48	47	48	..	..	..	..
	2015	48	51	42	..	..	..	..

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Total	Autoproducers			Main activity producers				
	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
15	..	..	15	30	30	..	..	15
15	..	..	15	30	30	..	..	15
15	..	..	15	28	28	..	..	15
15	..	..	15	27	28	..	..	15
45	43	52	9	51	41	56	85	28
45	44	52	8	49	42	54	82	31
46	45	51	9	48	43	52	80	26
45	44	49	6	46	44	48	67	31
43	43	33	..	44	48	34	72	30
41	41	30	..	41	41	38	70	27
40	41	21	..	44	42	47	65	36
43	43	21	..	44	44	44	46	31
10	13	..	17	49	46	57	..	..
4	5	..	17	47	42	62	..	23
18	24	..	14	66	68	60	..	30
14	17	..	16	47	42	61	..	17
47	46	52	..	53	36	56	91	31
49	48	52	11	52	50	52	89	34
51	51	52	11	50	62	48	88	29
48	48	49	48	47	58	45	85	32
64	65	49	21	43	45	38	..	23
61	64	24	20	44	48	37	..	20
51	51	65	22	34	31	41	..	23
52	53	63	1	39	39	42	..	26
70	79	16	..	51	43	55	..	8
64	72	15	..	53	57	51	..	8
69	78	17	..	53	54	53	..	8
69	78	17	..	45	48	45	..	8
47	44	73	..	48	36	61	..	13
44	42	73	..	51	44	58	..	30
40	38	76	..	50	44	58	..	23
39	36	60	..	52	43	62	..	33
11	11	..	..	18	16	..	..	22
11	11	..	..	18	16	..	..	22
11	11	..	..	18	16	..	..	22
11	11	..	..	18	16	..	..	22
..	..	..	..	34	22	54	..	17
..	..	..	..	35	29	47	..	15
..	..	..	..	36	29	48	..	18
..	..	..	..	36	31	47	..	16
14	14	..	..	56	56	..	..	..
14	14	..	..	53	53	..	..	..
10	10	..	..	61	61	..	..	..
14	14	..	..	59	59	..	..	..
..	..	..	..	78	6	78	..	..
..	..	..	..	78	2	78	..	..
..	..	..	..	72	5	72	..	..
..	..	..	..	72	1	72	..	..
21	18	60	..	52	38	73	..	9
21	18	66	..	48	35	72	..	28
21	18	61	..	50	40	69	..	22
19	15	65	..	50	40	66	..	28
53	31	67	..	38	38	..	..	..
54	35	67	..	28	28	..	..	..
48	49	48	..	47	47	..	..	..
48	58	42	..	47	47	..	..	..

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Uruguay	2012	42	44	40	..	26	..	..
	2013	40	22	61	..	27	..	..
	2014	40	18	72	..	17	10	..
	2015	39	25	61	..	28	9	..
Venezuela (Bolivar. Rep.)	2012	48	32	64	..	..	..	..
	2013	44	27	64	..	..	..	..
	2014	46	28	67	..	..	..	..
	2015	43	31	56	..	..	..	..
Asia	2012	46	50	35	43	18	9	75
	2013	46	51	35	43	21	8	40
	2014	44	49	35	44	18	10	51
	2015	43	48	35	47	16	11	34
Afghanistan	2012	27	14	32	..	..	..	..
	2013	27	22	29	..	..	..	..
	2014	28	15	32	..	..	..	..
	2015	27	14	32	..	..	..	..
Armenia	2012	23	16	21	65	11	..	..
	2013	21	15	19	66	11	..	..
	2014	22	16	18	69	11	..	..
	2015	22	13	20	78	11	11	..
Azerbaijan	2012	40	44	20	..	..	..	..
	2013	36	40	16	..	4	6	..
	2014	38	43	14	..	8	9	..
	2015	36	39	17	..	7	6	..
Bahrain	2012	48	48	..	..	..	..	..
	2013	50	50	..	..	..	..	..
	2014	51	51	..	..	..	..	..
	2015	49	49	..	..	..	..	..
Bangladesh	2012	68	69	39	..	..	..	..
	2013	71	72	44	..	46	65	..
	2014	68	69	29	..	46	69	..
	2015	61	62	26	..	46	73	..
Bhutan	2012	52	0	52	..	..	..	..
	2013	58	0	59	..	..	..	..
	2014	49	0	50	..	..	..	..
	2015	54	0	55	..	..	..	..
Brunei Darussalam	2012	56	56	..	..	..	19	..
	2013	62	62	..	..	..	19	..
	2014	63	63	..	..	..	19	..
	2015	59	59	..	..	..	19	..
Cambodia	2012	28	29	26	..	..	17	..
	2013	18	18	17	..	..	17	..
	2014	23	24	23	..	..	17	..
	2015	30	38	25	..	..	17	..
China	2012	46	50	39	88	18	..	83
	2013	46	51	36	87	21	4	17
	2014	44	48	39	75	18	7	36
	2015	40	44	39	72	16	10	14
China, Hong Kong SAR	2012	35	35	..	..	..	..	..
	2013	35	35	..	..	..	..	..
	2014	36	36	..	..	..	..	..
	2015	34	34	..	..	..	..	..
China, Macao SAR	2012	13	13	..	..	..	..	..
	2013	9	9	..	..	..	..	..
	2014	14	14	..	..	..	..	..
	2015	21	21	..	..	..	..	..

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
37	39	..	1	42	45	40	..	36
24	25	..	2	43	21	61	..	42
33	34	..	3	41	12	72	..	18
36	42	..	1	40	18	61	..	29
13	13	..	..	50	34	64	..	..
13	13	..	..	46	28	64	..	..
13	13	..	..	47	29	67	..	..
16	16	..	..	44	32	56	..	..
39	42	17	14	47	51	36	43	22
42	45	17	13	46	52	35	43	20
37	41	16	12	45	50	35	44	17
34	37	16	13	44	50	36	47	16
19	1	27	..	33	26	35	..	..
17	1	24	..	34	41	32	..	..
19	1	27	..	34	28	36	..	..
19	1	27	..	33	26	36	..	..
..	..	..	..	23	16	21	65	11
..	..	..	..	21	15	19	66	11
..	..	..	..	22	16	18	69	11
..	..	..	..	22	13	20	78	11
82	82	..	..	39	42	20	..	..
85	87	..	5	35	38	16	..	..
93	95	..	8	36	41	14	..	..
36	37	..	6	36	40	17	..	..
40	40	..	..	57	57	..	..	..
42	42	..	..	59	59	..	..	..
41	41	..	..	62	62	..	..	..
42	42	..	..	54	54	..	..	..
63	63	..	..	70	72	39	..	..
71	71	..	..	71	72	44	..	64
76	76	..	..	66	67	29	..	68
77	77	..	..	56	57	26	..	72
..	..	..	..	52	0	52	..	..
..	..	..	..	58	0	59	..	..
..	..	..	..	49	0	50	..	..
..	..	..	..	54	0	55	..	..
43	43	..	..	58	58	..	..	19
48	48	..	..	64	64	..	..	19
51	51	..	..	65	65	..	..	19
48	48	..	..	60	60	..	..	19
..	..	..	..	28	29	26	..	17
..	..	..	..	18	18	17	..	17
..	..	..	..	23	24	23	..	17
..	..	..	..	30	38	25	..	17
47	53	..	..	46	50	40	88	21
47	52	..	..	46	51	37	87	18
43	48	..	..	44	48	40	75	17
31	34	..	..	41	45	40	72	15
..	..	..	..	35	35	..	..	..
..	..	..	..	35	35	..	..	..
..	..	..	..	36	36	..	..	..
..	..	..	..	34	34	..	..	..
60	60	..	..	9	9	..	..	..
61	61	..	..	5	5	..	..	..
60	60	..	..	11	11	..	..	..
60	60	..	..	18	18	..	..	..

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Cyprus	2012	31	33	..	..	14	14	..
	2013	29	30	..	..	18	15	..
	2014	29	31	..	..	14	13	..
	2015	29	31	..	..	14	19	..
Georgia	2012	25	17	31	..	..	..	..
	2013	26	12	35	..	..	..	..
	2014	27	14	36	..	..	..	..
	2015	27	16	35	..	..	..	..
India	2012	42	46	33	79	18	..	..
	2013	46	49	40	82	18	17	..
	2014	47	53	37	71	12	15	..
	2015	54	63	34	74	14	15	..
Indonesia	2012	42	43	29	..	6	8	75
	2013	44	44	37	..	3	7	72
	2014	41	41	38	..	..	8	72
	2015	41	42	32	..	..	6	36
Iran (Islamic Rep. of)	2012	42	47	15	21	22	7	38
	2013	43	47	16	51	39	8	34
	2014	43	48	15	50	14	2	46
	2015	43	49	14	33	16	1	14
Iraq	2012	31	33	20	..	..	..	..
	2013	25	25	22	..	..	..	..
	2014	30	32	13	..	..	..	..
	2015	25	26	12	..	..	..	..
Israel	2012	50	50	54	..	11	18	..
	2013	47	48	46	..	11	12	..
	2014	43	44	21	..	11	14	..
	2015	43	44	39	..	13	17	..
Japan	2012	41	57	20	4	21	12	58
	2013	40	56	20	2	18	12	58
	2014	38	55	20	0	21	12	58
	2015	37	53	21	3	21	12	57
Jordan	2012	54	54	58	..	24	..	..
	2013	58	58	52	..	24	..	..
	2014	50	50	55	..	20	..	..
	2015	49	50	50	..	12	4	..
Kazakhstan	2012	50	51	39	..	17	..	..
	2013	53	54	40	..	14	11	..
	2014	48	49	38	..	15	11	..
	2015	48	49	42	..	15	11	..
Korea, Dem.Ppl's.Rep.	2012	23	15	31	..	..	..	..
	2013	22	11	32	..	..	..	..
	2014	22	12	30	..	..	..	..
	2015	17	9	23	..	..	..	..
Korea, Republic of	2012	69	72	14	83	23	12	48
	2013	68	72	15	76	23	12	31
	2014	63	63	14	86	21	12	38
	2015	61	61	10	87	18	13	51
Kuwait	2012	48	48	..	..	..	..	..
	2013	44	44	..	..	..	..	..
	2014	47	47	..	..	..	..	..
	2015	43	43	..	..	..	..	..
Kyrgyzstan	2012	45	14	53	..	..	..	..
	2013	41	13	49	..	..	..	..
	2014	43	18	50	..	..	..	..
	2015	37	23	41	..	..	..	..

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
19	18	..	23	31	33	..	..	14
19	18	..	23	29	30	..	..	17
21	21	..	23	29	31	..	..	13
19	12	..	48	29	32	..	..	14
..	..	..	..	25	17	31	..	..
..	..	..	..	26	12	35	..	..
..	..	..	..	27	14	36	..	..
..	..	..	..	27	16	35	..	..
40	40	43	..	43	47	33	79	18
57	59	24	18	45	48	40	82	18
41	43	20	12	48	55	37	71	13
30	31	32	20	63	83	34	74	13
57	58	50	14	39	40	26	..	74
59	59	64	8	42	41	33	..	72
56	56	54	..	39	38	35	..	72
66	66	67	..	32	33	23	..	36
22	22	..	..	44	50	15	21	23
13	13	..	..	45	51	16	51	39
13	13	..	..	45	51	15	50	16
13	13	..	..	46	52	14	33	15
..	..	..	..	31	33	20	..	..
..	..	..	..	25	25	22	..	..
..	..	..	..	30	32	13	..	..
..	..	..	..	25	26	12	..	..
26	30	23	18	51	51	66	..	11
29	50	29	12	48	48	53	..	11
33	62	29	14	44	44	18	..	11
35	61	51	17	43	43	34	..	13
28	30	43	15	45	67	17	4	47
26	29	44	13	44	66	18	2	47
27	32	45	13	42	63	18	0	50
26	34	44	13	41	60	19	3	48
14	14	..	..	56	56	58	..	24
16	16	..	..	61	61	52	..	24
22	22	..	..	51	51	55	..	20
27	27	..	..	50	51	50	..	12
..	..	..	..	50	51	39	..	17
11	..	..	11	53	54	40	..	14
11	..	..	11	48	49	38	..	15
11	..	..	11	48	49	42	..	15
..	..	..	..	23	15	31	..	..
..	..	..	..	22	11	32	..	..
..	..	..	..	22	12	30	..	..
..	..	..	..	17	9	23	..	..
52	54	..	7	71	74	14	83	21
51	54	..	7	69	74	15	76	20
49	53	..	7	64	64	14	86	19
45	52	..	5	63	62	10	87	21
..	..	..	..	49	49	..	..	..
..	..	..	..	45	45	..	..	..
..	..	..	..	47	47	..	..	..
..	..	..	..	44	44	..	..	..
..	..	..	..	45	14	53	..	..
40	40	..	..	41	13	49	..	..
46	46	..	..	43	18	50	..	..
46	46	..	..	37	23	41	..	..

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Lao People's Dem. Rep.	2012	49	..	49	..	..	..	..
	2013	59	2	59	..	..	..	..
	2014	58	1	58	..	..	..	..
	2015	32	13	42	..	..	..	..
Lebanon	2012	52	53	42	..	..	..	..
	2013	57	57	53	..	..	..	..
	2014	58	62	8	..	..	..	..
	2015	59	63	20	..	..	..	..
Malaysia	2012	53	55	31	..	..	10	..
	2013	50	53	31	..	..	10	..
	2014	56	61	32	..	..	16	..
	2015	56	66	28	..	..	14	9
Maldives	2012	41	42	..	..	..	21	..
	2013	42	43	..	..	..	11	..
	2014	14	14	..	..	..	6	..
	2015	16	17	..	..	..	14	..
Mongolia	2012	45	46	..	..	..	..	..
	2013	45	48	..	..	..	..	..
	2014	46	49	..	..	..	..	..
	2015	47	50	..	..	..	..	..
Myanmar	2012	34	40	32	..	..	..	..
	2013	34	34	34	..	..	..	..
	2014	34	38	32	..	..	..	..
	2015	35	36	34	..	..	..	..
Nepal	2012	53	2	57	..	..	..	..
	2013	46	2	50	..	..	..	..
	2014	48	2	51	..	..	..	..
	2015	50	..	54	..	..	1	..
Oman	2012	49	49	..	..	..	..	..
	2013	45	45	..	..	..	..	..
	2014	40	40	..	..	..	..	..
	2015	48	48	..	..	..	..	..
Other Asia	2012	60	62	21	90	25	14	..
	2013	60	61	21	92	30	10	..
	2014	62	65	18	94	27	10	..
	2015	61	66	18	81	27	12	..
Pakistan	2012	47	46	50	66	..	..	..
	2013	51	50	51	71	43	..	..
	2014	50	47	52	84	55	..	..
	2015	51	50	55	70	21	..	..
Philippines	2012	49	52	33	..	6	5	63
	2013	50	54	32	..	5	5	59
	2014	49	55	29	..	4	5	61
	2015	50	57	27	..	12	12	66
Qatar	2012	45	45	..	..	..	..	..
	2013	45	45	..	..	..	..	..
	2014	50	50	..	..	..	..	..
	2015	54	54	..	..	..	..	..
Saudi Arabia	2012	50	50	..	..	..	11	..
	2013	50	50	..	..	..	11	..
	2014	43	43	..	..	..	11	..
	2015	47	47	..	..	..	..	..
Singapore	2012	52	52	..	..	..	..	..
	2013	48	48	..	..	..	..	..
	2014	43	43	..	..	..	..	..
	2015	44	44	..	..	..	..	..

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
..	..	..	..	49	..	49	..	..
..	..	..	..	59	2	59	..	..
..	..	..	..	58	1	58	..	..
..	..	..	..	32	13	42	..	..
72	72	..	..	44	44	42	..	..
84	84	..	..	46	46	53	..	..
67	67	..	..	55	60	8	..	..
67	67	..	..	57	61	20	..	..
22	22	..	..	56	60	31	..	10
19	19	..	..	53	57	31	..	10
23	23	..	..	59	65	32	..	16
19	24	..	6	61	70	28	..	20
..	..	..	..	41	42	..	..	10
..	..	..	..	42	43	..	..	6
..	..	..	..	14	14	..	..	5
..	..	..	..	16	17	..	..	11
..	..	..	..	52	52	..	..	..
..	..	..	..	52	55	..	..	..
..	..	..	..	54	57	..	..	..
..	..	..	..	55	58	..	..	..
4	..	4	..	35	40	33	..	..
27	26	30	..	34	36	34	..	..
54	57	45	..	31	30	31	..	..
33	28	45	..	35	38	33	..	..
6	..	6	..	65	2	71	..	..
10	..	10	..	55	2	60	..	..
9	..	9	..	59	2	64	..	..
17	..	18	..	55	..	60	..	..
..	..	..	..	49	49	..	..	..
..	..	..	..	45	45	..	..	..
..	..	..	..	40	40	..	..	..
..	..	..	..	48	48	..	..	..
54	54	..	..	61	63	21	90	22
57	57	..	..	60	62	21	92	22
59	59	..	..	63	66	18	94	19
55	55	..	..	63	69	18	81	18
56	56	..	..	43	34	50	66	..
60	60	..	..	46	38	51	71	43
57	57	..	..	46	36	52	84	55
60	60	..	..	46	38	55	70	21
15	19	12	..	49	52	33	..	59
15	19	12	..	50	54	32	..	55
15	19	12	..	49	55	29	..	51
15	19	12	..	50	57	27	..	50
55	55	..	..	16	16	..	..	..
55	55	..	..	16	16	..	..	..
61	61	..	..	18	18	..	..	..
68	68	..	..	13	13	..	..	..
50	50	..	..	50	50	..	..	11
49	49	..	..	51	51	..	..	11
34	34	..	..	49	49	..	..	11
44	44	..	..	50	50	..	..	..
62	62	..	..	52	52	..	..	..
64	64	..	..	47	47	..	..	..
68	68	..	..	42	42	..	..	..
89	89	..	..	42	43	..	..	..

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Sri Lanka	2012	40	57	24	..	22	21	..
	2013	42	35	49	..	33	25	..
	2014	36	41	31	..	24	31	..
	2015	38	37	40	..	31	23	..
State of Palestine	2012	38	38	..	..	..	..	..
	2013	44	44	..	..	..	..	..
	2014	27	27	..	..	..	..	..
	2015	42	42	..	..	..	..	..
Syrian Arab Republic	2012	43	43	43	..	..	..	..
	2013	36	36	40	..	..	..	..
	2014	26	26	23	..	..	..	..
	2015	22	26	3	..	..	..	..
Tajikistan	2012	31	3	33	..	..	..	..
	2013	38	2	40	..	..	..	..
	2014	36	6	38	..	..	..	..
	2015	38	9	40	..	..	..	..
Thailand	2012	38	39	28	..	11	10	38
	2013	37	41	19	..	12	3	38
	2014	37	41	18	..	16	4	38
	2015	35	38	16	..	17	8	38
Timor-Leste	2012	28	28	..	..	..	..	..
	2013	24	24	..	..	..	..	..
	2014	14	14	..	..	..	..	..
	2015	25	25	..	..	..	..	..
Turkey	2012	48	57	34	..	30	..	63
	2013	43	51	30	..	31	..	51
	2014	39	51	19	..	27	5	65
	2015	41	49	30	..	30	9	63
Turkmenistan	2012	60	60	..	..	..	..	..
	2013	57	57	..	..	..	..	..
	2014	58	58	..	..	..	..	..
	2015	64	64	..	..	..	..	..
United Arab Emirates	2012	45	45	..	..	..	..	..
	2013	46	46	..	..	..	..	..
	2014	46	46	..	..	..	..	..
	2015	51	51	..	..	..	..	..
Uzbekistan	2012	47	43	69	..	..	..	..
	2013	49	45	71	..	..	..	..
	2014	50	46	73	..	..	..	..
	2015	51	48	73	..	..	..	..
Viet Nam	2012	48	42	58	..	28	..	..
	2013	52	45	63	..	28	..	..
	2014	49	52	45	..	31	..	..
	2015	47	50	42	..	22	..	..
Yemen	2012	53	53	..	..	..	..	..
	2013	63	63	..	..	..	..	..
	2014	57	57	..	..	..	..	..
	2015	40	40	..	..	..	..	..
Europe	2012	42	42	34	81	22	11	44
	2013	41	41	35	80	23	12	43
	2014	39	38	35	81	22	12	45
	2015	40	39	33	80	24	13	44
Albania	2012	31	..	33	..	..	..	..
	2013	41	..	45	..	..	..	..
	2014	29	..	31	..	..	..	..
	2015	35	..	37	..	..	..	..

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
1	0	1	21	43	57	28	..	22
1	0	0	28	45	35	58	..	33
2	0	0	34	39	41	38	..	24
38	33	40	24	38	37	41	..	31
..	..	..	..	38	38	..	..	..
..	..	..	..	44	44	..	..	..
..	..	..	..	27	27	..	..	..
..	..	..	..	42	42	..	..	..
9	9	..	..	48	49	43	..	..
6	6	..	..	40	40	40	..	..
5	5	..	..	28	30	23	..	..
5	5	..	..	25	30	3	..	..
..	..	..	..	31	3	33	..	..
..	..	..	..	38	2	40	..	..
..	..	..	..	36	6	38	..	..
..	..	..	..	38	9	40	..	..
11	11	..	..	51	54	28	..	11
19	20	..	5	46	51	19	..	3
22	24	..	6	44	49	18	..	4
23	24	..	12	40	44	16	..	4
..	..	..	..	28	28	..	..	..
..	..	..	..	24	24	..	..	..
..	..	..	..	14	14	..	..	..
..	..	..	..	25	25	..	..	..
47	50	35	23	48	58	34	..	32
44	47	23	54	43	51	31	..	33
15	16	8	82	41	54	19	..	31
15	30	..	5	41	49	30	..	33
..	..	..	..	60	60	..	..	..
..	..	..	..	57	57	..	..	..
..	..	..	..	58	58	..	..	..
..	..	..	..	64	64	..	..	..
..	..	..	..	45	45	..	..	..
..	..	..	..	46	46	..	..	..
..	..	..	..	46	46	..	..	..
..	..	..	..	51	51	..	..	..
14	14	..	..	48	44	69	..	..
14	14	..	..	49	45	71	..	..
15	15	..	..	50	46	73	..	..
15	15	..	..	52	48	73	..	..
16	16	4	4	52	47	58	..	33
17	17	4	4	56	50	63	..	33
15	17	3	4	52	59	46	..	33
15	17	3	4	50	55	43	..	23
33	33	..	..	54	54	..	..	..
24	24	..	..	67	67	..	..	..
23	23	..	..	60	60	..	..	..
17	17	..	..	42	42	..	..	..
44	50	43	12	42	42	34	81	19
40	46	45	13	41	40	35	80	19
37	43	46	13	40	37	35	81	19
38	45	45	13	40	38	33	80	21
..	..	..	..	31	..	33	..	..
..	..	..	..	42	..	45	..	..
..	..	..	..	29	..	31	..	..
..	..	..	..	35	..	37	..	..

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Andorra	2012	20	30	19	..	..	..	..
	2013	26	33	26	..	..	..	..
	2014	29	34	29	..	..	..	..
	2015	23	35	22	..	..	..	..
Austria	2012	36	31	42	..	21	11	11
	2013	33	26	40	..	22	11	0
	2014	31	23	39	..	21	11	0
	2015	30	28	35	..	22	11	0
Belarus	2012	39	39	24	..	34	..	..
	2013	39	39	46	..	46	..	..
	2014	39	39	41	..	42	4	..
	2015	40	40	36	..	42	11	..
Belgium	2012	46	43	13	78	23	10	..
	2013	45	42	14	82	24	10	31
	2014	40	39	12	65	27	11	23
	2015	38	46	11	50	29	11	31
Bosnia and Herzegovina	2012	37	52	23	..	..	..	..
	2013	46	53	39	..	..	..	..
	2014	43	53	32	..	..	..	..
	2015	41	53	30	..	..	..	..
Bulgaria	2012	46	59	15	95	21	9	..
	2013	43	54	17	82	23	15	..
	2014	47	61	18	92	22	14	..
	2015	51	71	22	89	24	15	..
Croatia	2012	29	33	27	..	21	6	..
	2013	37	30	45	..	23	7	..
	2014	35	22	49	..	24	12	..
	2015	27	21	34	..	24	11	..
Czechia	2012	49	49	15	86	18	12	..
	2013	47	47	18	82	21	11	..
	2014	45	44	15	81	20	12	..
	2015	44	45	16	71	23	12	..
Denmark	2012	25	24	22	..	28	3	..
	2013	29	31	16	..	26	10	..
	2014	27	26	19	..	31	11	..
	2015	24	20	29	..	32	9	..
Estonia	2012	47	50	60	..	19	..	..
	2013	52	55	37	..	24	..	..
	2014	47	49	62	..	25	..	..
	2015	42	43	51	..	27	..	..
Faeroe Islands	2012	30	32	29	..	19	..	..
	2013	29	32	26	..	23	..	..
	2014	28	25	35	..	24	..	..
	2015	29	21	38	..	39	..	..
Finland	2012	51	36	60	96	22	9	..
	2013	49	38	45	98	20	8	..
	2014	48	35	47	98	20	8	..
	2015	49	34	59	96	26	7	..
France	2012	50	23	29	77	23	12	8
	2013	51	23	34	77	22	12	8
	2014	50	16	31	79	22	12	9
	2015	50	21	27	79	24	12	7
Germany	2012	41	54	28	94	18	9	63
	2013	39	53	29	92	17	10	47
	2014	36	48	26	92	17	11	51
	2015	36	48	25	97	20	11	52

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
..	..	..	..	20	30	19	..	..
..	..	..	..	26	33	26	..	..
..	..	..	..	29	34	29	..	..
..	..	..	..	23	35	22	..	..
42	50	11	..	36	25	43	..	19
39	47	12	..	32	20	41	..	19
39	47	12	..	30	16	40	..	18
40	49	10	..	30	22	36	..	19
55	55	11	23	38	38	26	..	46
48	48	13	23	38	38	53	..	68
44	45	13	46	38	38	46	..	18
48	49	11	46	39	39	41	..	30
25	54	..	10	50	41	13	78	23
24	51	..	10	51	40	14	82	23
25	53	..	11	43	37	12	65	27
26	57	..	11	41	44	11	50	29
17	17	..	..	38	56	23	..	..
18	18	..	..	48	57	39	..	..
20	20	..	..	44	57	32	..	..
24	24	..	..	42	56	30	..	..
28	46	..	..	46	59	15	95	14
27	44	..	..	43	54	17	82	18
30	45	..	..	48	61	18	92	17
18	30	..	..	52	72	22	89	19
22	22	29	..	29	34	27	..	21
24	24	29	..	38	30	46	..	22
25	25	40	..	35	21	49	..	23
22	21	34	..	28	21	34	..	22
48	49	33	..	49	49	13	86	13
52	53	38	..	47	46	17	82	12
55	57	34	..	44	42	13	81	13
56	59	34	..	43	43	14	71	14
23	35	..	3	25	24	22	..	28
24	38	..	10	29	31	16	..	26
24	37	..	11	27	25	19	..	31
22	38	..	9	24	18	29	..	32
59	58	..	..	47	49	60	..	19
58	58	..	57	52	55	37	..	24
27	28	..	23	47	49	59	..	25
58	65	..	27	41	43	51	..	27
..	..	..	..	30	32	29	..	19
..	..	..	..	29	32	26	..	23
..	..	..	..	28	25	35	..	24
..	..	..	..	29	21	38	..	39
58	55	85	14	50	31	59	96	23
57	55	60	8	48	34	45	98	20
56	55	57	8	47	31	46	98	20
57	55	66	7	48	28	58	96	27
26	44	20	10	52	19	29	77	21
25	44	41	11	53	19	34	77	21
26	53	41	12	51	11	31	79	20
30	90	34	12	51	16	27	79	21
72	72	55	72	39	52	28	94	14
53	53	49	51	38	53	29	92	13
53	53	42	53	35	48	26	92	14
53	54	42	54	35	48	25	97	16

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Gibraltar	2012	47	47	..	..	..	..	..
	2013	50	50	..	..	..	..	..
	2014	53	53	..	..	..	..	..
	2015	55	55	..	..	..	..	..
Greece	2012	39	52	16	..	25	13	..
	2013	35	44	23	..	26	16	..
	2014	30	40	16	..	21	17	..
	2015	31	39	21	..	25	17	..
Guernsey	2012	7	7	..	..	..	..	..
	2013	29	29	..	..	..	..	..
	2014	22	22	..	..	..	..	..
	2015	16	16	..	..	..	..	..
Hungary	2012	42	29	43	90	27	8	..
	2013	41	27	43	88	25	8	37
	2014	39	23	60	89	23	8	48
	2015	40	25	47	90	24	8	51
Iceland	2012	75	0	75	..	..	..	89
	2013	75	1	74	..	17	..	90
	2014	75	0	74	..	30	..	90
	2015	77	0	79	..	42	..	86
Ireland	2012	36	40	22	..	26	11	..
	2013	34	37	20	..	27	11	..
	2014	33	36	21	..	27	6	..
	2015	34	36	24	..	31	11	..
Isle of Man	2012	19	19	50	..	..	..	..
	2013	31	31	46	..	..	..	..
	2014	31	31	46	..	..	..	..
	2015	31	31	48	..	..	..	..
Italy	2012	27	32	23	..	19	13	70
	2013	27	29	28	..	20	14	70
	2014	26	28	31	..	20	14	68
	2015	28	33	24	..	19	14	71
Jersey	2012	6	6	..	..	..	..	..
	2013	7	7	..	..	..	..	..
	2014	5	5	..	..	..	..	..
	2015	2	2	..	..	..	..	..
Latvia	2012	26	26	27	..	22	..	..
	2013	24	29	21	..	20	..	..
	2014	20	27	14	..	23	..	..
	2015	22	32	13	..	24	..	..
Liechtenstein	2012	75	42	84	..	..	50	..
	2013	70	39	79	..	..	48	..
	2014	32	29	25	..	..	47	..
	2015	50	25	56	..	..	43	..
Lithuania	2012	13	12	12	..	22	3	..
	2013	12	10	14	..	25	8	..
	2014	11	9	14	..	25	12	..
	2015	14	13	13	..	21	12	..
Luxembourg	2012	24	56	12	..	15	6	..
	2013	18	34	12	..	16	9	..
	2014	17	35	10	..	16	10	..
	2015	16	23	13	..	18	10	..
Malta	2012	41	42	..	..	..	16	..
	2013	38	41	..	..	..	7	..
	2014	37	40	..	..	..	10	..
	2015	22	23	..	..	..	11	..

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
..	..	..	..	47	47	..	..	..
..	..	..	..	50	50	..	..	..
..	..	..	..	53	53	..	..	..
..	..	..	..	55	55	..	..	..
51	51	..	..	39	52	16	..	19
41	41	..	..	34	44	23	..	20
41	41	..	..	30	40	16	..	19
48	48	..	..	31	39	21	..	21
..	..	..	..	7	7	..	..	..
..	..	..	..	29	29	..	..	..
..	..	..	..	22	22	..	..	..
..	..	..	..	16	16	..	..	..
52	57	..	8	42	29	43	90	27
35	41	..	14	41	26	43	88	25
29	36	..	14	39	23	60	89	23
27	44	..	12	41	25	47	90	24
..	..	..	..	75	0	75	..	89
..	..	..	..	75	1	74	..	90
..	..	..	..	75	0	74	..	90
..	..	..	..	77	0	79	..	86
73	73	..	11	35	39	22	..	26
69	70	..	11	32	35	20	..	27
69	69	..	6	31	34	21	..	27
71	72	..	11	33	34	24	..	31
..	..	..	..	19	19	50	..	..
..	..	..	..	31	31	46	..	..
..	..	..	..	31	31	46	..	..
..	..	..	..	31	31	48	..	..
44	44	51	42	27	32	23	..	17
43	42	60	32	26	29	28	..	18
44	44	71	29	26	27	31	..	18
41	41	57	32	27	33	24	..	17
71	71	..	..	4	4	..	..	..
14	14	..	..	7	7	..	..	..
15	15	..	..	4	4	..	..	..
17	17	..	..	0	0	..	..	..
50	52	27	..	26	25	27	..	21
56	57	17	..	24	28	21	..	20
68	68	40	..	19	26	14	..	23
69	70	11	..	21	30	13	..	24
..	..	..	..	75	42	84	..	50
..	..	..	..	70	39	79	..	48
..	..	..	..	32	29	25	..	47
..	..	..	..	50	25	56	..	43
26	26	..	..	12	10	12	..	22
20	18	..	..	11	9	14	..	21
24	23	..	..	10	8	14	..	23
30	31	..	..	13	11	13	..	20
19	35	29	6	25	58	12	..	15
19	36	34	9	18	34	12	..	16
18	33	34	10	17	36	10	..	16
17	29	34	10	15	22	13	..	18
37	34	..	39	41	42	..	..	9
17	23	..	17	39	41	..	..	0
37	27	..	39	37	40	..	..	..
50	27	..	53	21	23	..	..	..

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Montenegro	2012	37	71	26	..	..	..	..
	2013	52	75	44	..	..	..	..
	2014	42	74	31	..	..	..	..
	2015	39	79	26	..	..	..	..
Netherlands	2012	39	40	32	88	23	7	29
	2013	38	40	35	68	24	7	37
	2014	37	39	35	96	23	9	40
	2015	37	39	29	96	25	8	46
Norway	2012	51	24	53	..	25	..	0
	2013	46	23	47	..	26	..	0
	2014	48	24	50	..	29	..	0
	2015	49	23	51	..	33	..	0
Poland	2012	52	58	12	..	21	11	3
	2013	52	59	15	..	20	6	3
	2014	50	57	13	..	23	3	3
	2015	50	58	12	..	25	6	3
Portugal	2012	27	36	13	..	27	19	67
	2013	31	33	30	..	30	18	90
	2014	32	33	33	..	28	17	90
	2015	30	43	18	..	27	20	93
Republic of Moldova	2012	22	22	24	..	..	..	..
	2013	21	21	32	..	11	..	..
	2014	26	26	42	..	11	11	..
	2015	25	24	36	..	23	11	..
Romania	2012	31	31	22	93	17	2	..
	2013	29	27	26	94	19	6	..
	2014	31	27	33	94	22	13	..
	2015	32	29	29	94	26	16	..
Russian Federation	2012	53	52	39	80	6	..	67
	2013	50	49	42	78	6	..	64
	2014	47	44	40	82	11	8	67
	2015	47	45	38	85	17	9	67
Serbia	2012	58	71	40	..	..	..	..
	2013	64	78	42	..	..	..	..
	2014	53	60	44	..	..	11	..
	2015	59	73	41	..	..	10	..
Slovakia	2012	39	28	20	91	23	9	41
	2013	39	24	23	93	14	13	32
	2014	39	25	20	91	23	13	54
	2015	39	29	19	89	17	11	38
Slovenia	2012	54	54	37	92	..	13	..
	2013	54	51	43	88	11	13	..
	2014	58	41	56	106	11	13	..
	2015	51	51	36	94	14	13	..
Spain	2012	30	30	15	94	25	21	22
	2013	29	24	24	93	28	21	0
	2014	28	23	25	88	26	22	0
	2015	28	26	18	88	25	22	27
Sweden	2012	50	22	55	77	23	9	..
	2013	46	23	43	81	27	9	..
	2014	44	17	46	78	25	9	..
	2015	45	18	53	66	32	11	..
Switzerland	2012	43	42	33	89	21	8	..
	2013	42	42	33	91	17	8	..
	2014	43	41	33	95	19	9	..
	2015	39	40	33	79	21	9	..

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
..	..	..	..	37	71	26	..	..
..	..	..	..	52	75	44	..	..
..	..	..	..	42	74	31	..	..
..	..	..	..	39	79	26	..	..
46	51	..	16	38	38	32	88	24
44	51	..	14	36	37	35	68	24
37	44	..	14	37	37	35	96	23
37	46	..	13	37	38	29	96	25
47	33	62	..	52	8	53	..	25
47	31	60	..	46	9	47	..	26
46	30	59	..	48	12	49	..	29
47	31	59	..	49	10	50	..	33
55	54	23	34	52	58	12	..	21
56	56	34	26	52	59	15	..	20
55	55	34	6	50	57	13	..	23
50	52	34	7	50	58	12	..	25
45	47	19	16	25	33	13	..	27
50	53	38	15	29	27	30	..	30
46	49	44	17	30	28	33	..	28
46	49	29	19	29	41	18	..	27
3	3	..	..	30	30	24	..	..
4	4	..	..	28	28	32	..	11
11	11	..	11	29	29	42	..	11
6	6	..	..	29	29	36	..	17
24	29	19	5	32	31	22	93	19
24	29	28	6	30	27	26	94	18
22	25	41	11	33	28	33	94	20
28	31	42	13	32	29	29	94	24
42	42	38	..	53	54	39	80	60
37	38	37	..	52	51	42	78	58
30	30	36	..	49	46	40	82	20
33	33	36	..	49	47	38	85	17
33	33	..	..	59	71	40	..	..
38	38	..	..	64	79	42	..	..
43	43	..	..	53	60	44	..	11
47	47	..	..	60	73	41	..	10
28	40	35	11	40	25	20	91	10
26	36	40	13	41	22	23	93	13
30	40	44	15	40	21	20	91	13
31	45	36	11	41	24	19	89	16
21	72	12	13	57	53	40	92	14
21	67	16	13	57	51	46	88	11
22	62	22	13	62	40	59	106	13
20	65	15	13	55	51	38	94	13
65	66	26	23	28	25	15	94	24
60	61	54	4	27	19	24	93	26
50	51	61	5	26	19	25	88	25
52	53	43	28	26	22	17	88	24
58	58	65	..	50	16	55	77	23
56	56	13	..	46	16	43	81	27
55	55	15	..	44	11	46	78	25
55	56	16	..	45	12	53	66	31
40	46	55	8	43	32	32	89	21
35	47	55	8	43	27	32	91	17
33	49	59	9	44	20	32	95	19
30	47	64	9	41	19	32	79	21

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
T.F.Yug.Rep. Macedonia	2012	42	54	20	..	..	8	..
	2013	40	46	29	..	..	15	..
	2014	35	43	22	..	22	11	..
	2015	36	38	32	..	37	15	58
Ukraine	2012	41	32	23	74	13	12	..
	2013	40	31	30	69	20	11	..
	2014	37	27	18	73	31	12	..
	2015	33	22	14	72	29	13	..
United Kingdom	2012	43	42	21	81	25	9	15
	2013	44	44	20	81	29	8	23
	2014	41	42	22	73	28	9	8
	2015	41	42	23	85	32	9	6
Oceania	2012	45	51	29	..	32	12	94
	2013	45	49	34	..	29	13	89
	2014	43	48	35	..	32	14	84
	2015	44	50	31	..	32	15	88
American Samoa	2012	43	44	..	..	..	13	..
	2013	43	44	..	..	..	13	..
	2014	43	44	..	..	..	13	..
	2015	43	46	..	..	..	6	..
Australia	2012	44	52	17	..	31	12	11
	2013	44	50	24	..	28	13	11
	2014	42	48	24	..	31	14	11
	2015	43	51	18	..	31	16	11
Cook Islands	2012	31	33	..	..	..	15	..
	2013	31	32	..	..	..	16	..
	2014	37	42	..	..	..	16	..
	2015	26	28	..	..	..	15	..
Fiji	2012	32	22	44	..	8	..	..
	2013	32	23	45	..	6	..	..
	2014	32	32	34	..	5	..	..
	2015	35	39	34	..	6	..	..
French Polynesia	2012	38	36	50	..	..	20	..
	2013	37	35	47	..	..	22	..
	2014	36	32	52	..	..	22	..
	2015	36	31	52	..	..	22	..
Guam	2012	37	37	..	..	..	..	..
	2013	36	36	..	..	..	..	..
	2014	36	36	..	..	..	..	..
	2015	35	38	..	..	..	..	..
Kiribati	2012	37	44	..	..	..	..	..
	2013	38	45	..	..	..	..	..
	2014	38	45	..	..	..	..	..
	2015	35	39	..	..	..	15	..
Marshall Islands	2012	27	27	..	..	..	8	..
	2013	29	29	..	..	..	9	..
	2014	29	29	..	..	..	5	..
	2015	27	27	..	..	..	8	..
Micronesia (Fed. States of)	2012	24	24	..	..	..	16	..
	2013	24	24	..	..	..	16	..
	2014	23	24	0	..	..	16	..
	2015	23	24	1	..	..	16	..
Nauru	2012	50	51	..	..	..	11	..
	2013	50	52	..	..	..	6	..
	2014	46	48	..	..	..	6	..
	2015	46	48	..	..	..	6	..

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Total	Autoproducers			Main activity producers				
	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
6	6	..	..	42	54	20	..	8
6	6	..	..	40	47	29	..	15
3	3	..	..	35	43	22	..	19
..	..	..	..	36	38	32	..	32
13	13	46	..	43	34	23	74	13
11	11	50	2	42	33	30	69	14
11	11	54	9	39	28	18	73	22
9	9	39	8	35	23	14	72	21
48	63	59	15	43	40	19	81	26
41	64	54	15	44	42	18	81	30
37	75	57	13	41	40	20	73	29
36	83	56	15	42	38	21	85	30
37	49	41	14	46	51	29	..	44
35	47	41	15	46	50	34	..	40
34	47	41	15	45	48	35	..	41
34	47	41	17	46	51	31	..	40
..	..	..	..	43	44	..	..	13
..	..	..	..	43	44	..	..	13
..	..	..	..	43	44	..	..	13
..	..	..	..	43	46	..	..	6
34	47	..	12	45	52	17	..	31
33	45	..	13	45	50	24	..	28
31	45	..	14	44	49	24	..	31
32	45	..	16	45	51	18	..	30
..	..	..	..	31	33	..	..	15
..	..	..	..	31	32	..	..	16
..	..	..	..	37	42	..	..	16
..	..	..	..	26	28	..	..	15
11	11	..	..	37	28	44	..	8
11	11	..	..	36	28	45	..	6
11	11	..	..	36	40	34	..	5
7	7	..	..	39	48	34	..	6
..	..	..	..	38	36	50	..	20
..	..	..	..	37	35	47	..	22
..	..	..	..	36	32	52	..	22
..	..	..	..	36	31	52	..	22
..	..	..	..	37	37	..	..	..
..	..	..	..	36	36	..	..	..
..	..	..	..	36	36	..	..	..
..	..	..	..	35	38	..	..	..
23	23	..	..	39	47	..	..	..
23	23	..	..	40	49	..	..	..
23	23	..	..	40	49	..	..	..
23	23	..	..	36	41	..	..	15
..	..	..	..	27	27	..	..	8
..	..	..	..	29	29	..	..	9
..	..	..	..	29	29	..	..	5
..	..	..	..	27	27	..	..	8
..	..	..	..	24	24	..	..	16
..	..	..	..	24	24	..	..	16
..	..	..	..	23	24	0	..	16
..	..	..	..	23	24	1	..	16
..	..	..	..	50	51	..	..	11
..	..	..	..	50	52	..	..	6
..	..	..	..	46	48	..	..	6
..	..	..	..	46	48	..	..	6

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
New Caledonia	2012	52	54	58	..	17	16	..
	2013	41	40	67	..	16	16	..
	2014	50	54	42	..	18	16	..
	2015	48	50	50	..	19	13	..
New Zealand	2012	52	50	49	..	38	14	95
	2013	52	49	49	..	37	11	89
	2014	51	40	52	..	37	10	84
	2015	53	45	52	..	39	10	88
Niue	2012	18	18	..	..	..	14	..
	2013	18	18	..	..	..	15	..
	2014	15	17	..	..	..	2	..
	2015	16	18	..	..	..	2	..
Northern Mariana Islands	2012	53	53	..	..	..	..	..
	2013	52	52	..	..	..	..	..
	2014	51	51	..	..	..	..	..
	2015	52	52	..	..	..	..	..
Palau	2012	36	36	..	..	..	..	..
	2013	36	36	..	..	..	..	..
	2014	36	36	..	..	..	..	..
	2015	36	36	..	..	..	..	..
Papua New Guinea	2012	54	56	43	..	..	..	86
	2013	52	53	44	..	..	..	86
	2014	55	55	47	..	..	..	86
	2015	54	55	45	..	..	..	91
Samoa	2012	31	29	35	..	..	..	..
	2013	33	30	42	..	..	..	..
	2014	40	38	39	..	..	..	..
	2015	36	43	34	..	4	15	..
Solomon Islands	2012	26	26	..	..	..	..	..
	2013	28	28	..	..	..	..	..
	2014	29	29	..	..	..	25	..
	2015	30	30	..	..	..	25	..
Tonga	2012	43	43	..	..	..	..	..
	2013	41	43	..	..	8	16	..
	2014	40	43	..	..	17	18	..
	2015	38	40	..	..	11	23	..
Tuvalu	2012	22	22	..	..	..	..	..
	2013	21	21	..	..	..	..	..
	2014	21	21	..	..	..	..	..
	2015	21	21	..	..	..	23	..
Vanuatu	2012	24	24	69	..	11	21	..
	2013	25	24	67	..	11	21	..
	2014	24	24	67	..	11	21	..
	2015	23	21	67	..	21	29	..
Wallis and Futuna Is.	2012	19	20	..	..	..	..	..
	2013	19	19	..	..	..	..	..
	2014	19	19	..	..	..	..	..
	2015	18	19	..	..	..	..	..

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Total	Autoproducers			Main activity producers				
	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
1	..	..	14	53	55	58	..	17
0	..	..	14	45	44	67	..	16
0	..	..	14	55	60	42	..	18
0	..	..	14	53	56	50	..	18
62	65	49	37	52	49	49	..	70
63	67	42	42	52	47	49	..	67
60	65	34	35	51	38	52	..	65
54	67	30	22	53	43	52	..	70
..	..	..	..	18	18	..	..	14
..	..	..	..	18	18	..	..	15
..	..	..	..	15	17	..	..	2
..	..	..	..	16	18	..	..	2
..	..	..	..	53	53	..	..	..
..	..	..	..	52	52	..	..	..
..	..	..	..	51	51	..	..	..
..	..	..	..	52	52	..	..	..
34	34	..	..	36	36	..	..	..
34	34	..	..	36	36	..	..	..
35	35	..	..	36	36	..	..	..
35	35	..	..	36	36	..	..	..
64	66	40	86	37	26	45	..	..
60	61	40	86	37	25	46	..	..
61	62	42	86	40	28	50	..	..
61	62	42	91	39	28	47	..	..
..	..	..	..	33	32	35	..	..
..	..	..	..	35	33	42	..	..
..	..	..	..	42	42	39	..	..
..	..	..	..	38	47	34	..	14
18	18	..	..	28	28	..	..	..
18	18	..	..	30	30	..	..	..
18	18	..	..	31	31	..	..	25
21	21	..	..	31	32	..	..	25
..	..	..	..	43	43	..	..	..
..	..	..	..	41	43	..	..	16
..	..	..	..	40	43	..	..	18
..	..	..	..	38	40	..	..	23
..	..	..	..	22	22	..	..	..
..	..	..	..	21	21	..	..	..
..	..	..	..	21	21	..	..	..
..	..	..	..	21	21	..	..	23
..	..	..	..	24	24	69	..	11
..	..	..	..	25	24	67	..	12
..	..	..	..	24	24	67	..	12
..	..	..	..	23	21	67	..	22
..	..	..	..	19	20	..	..	..
..	..	..	..	19	19	..	..	..
..	..	..	..	19	19	..	..	..
..	..	..	..	18	19	..	..	..