

Table 32

Production of electricity - by type

Gigawatt-hours

Table Notes

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

For India, thermal production includes also wind electricity.

Please refer to the Definitions Section on pages ix to xv for the appropriate product description /classification.

Figure 75: World electricity generation by source, 1990-2014

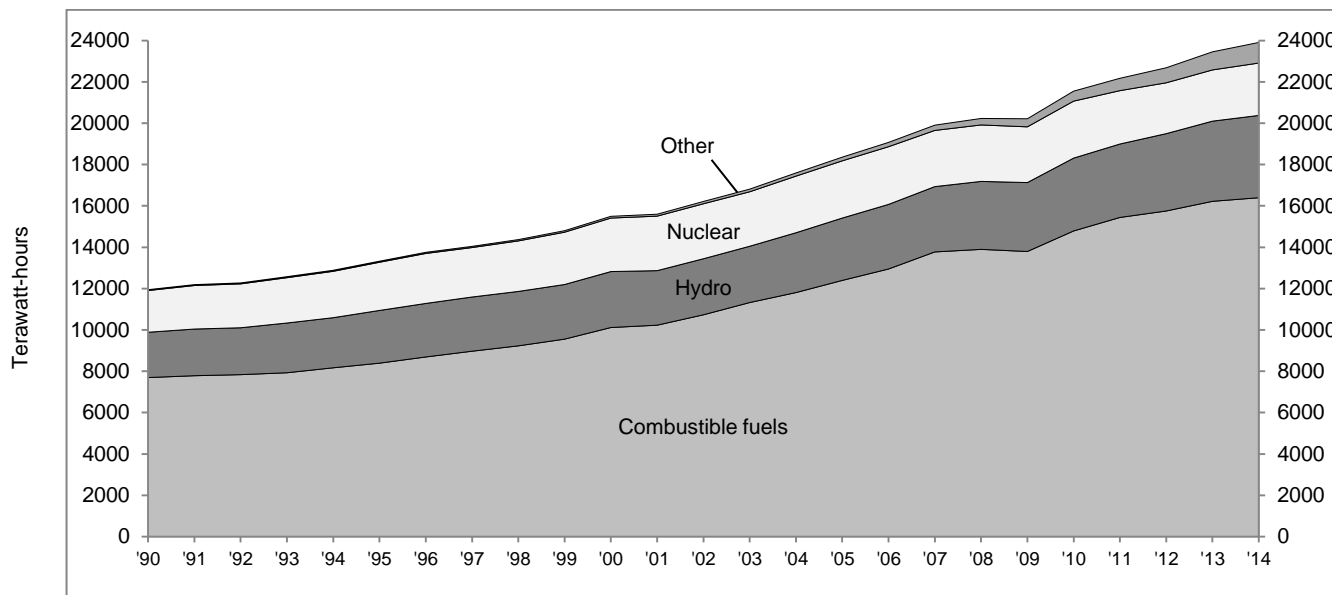


Figure 76: World production of electricity by source and region, 2014

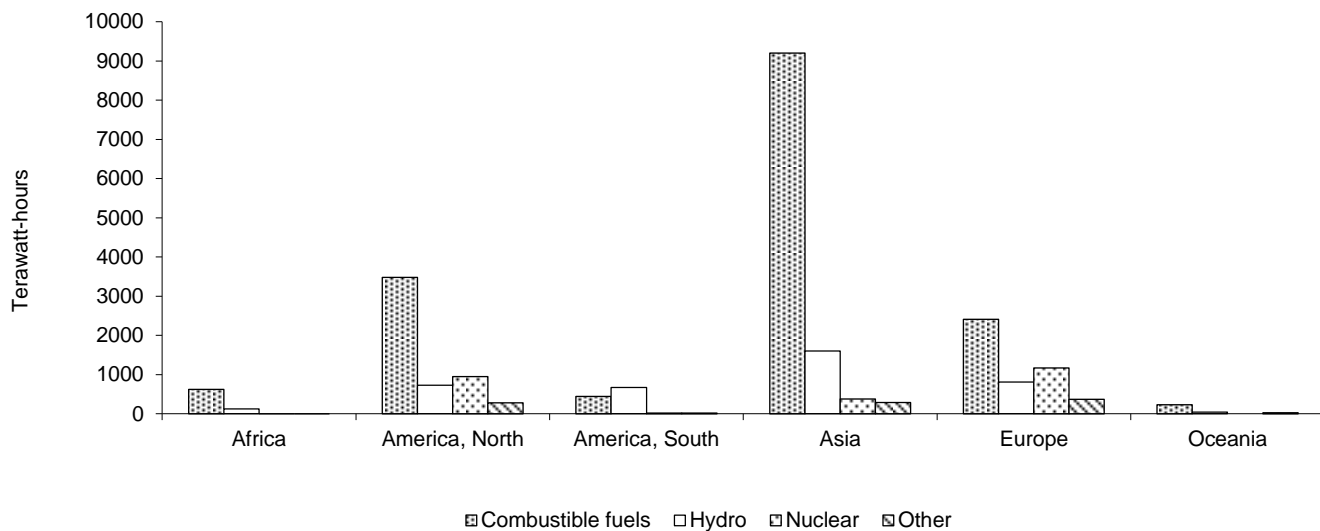


Figure 77: Major countries producing electricity from combustible fuels, 2014

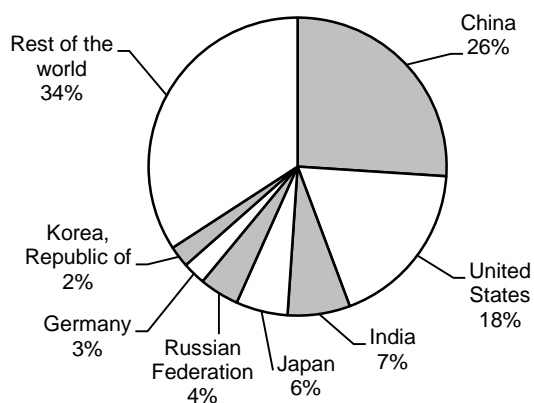


Figure 78: Major countries producing hydro electricity, 2014

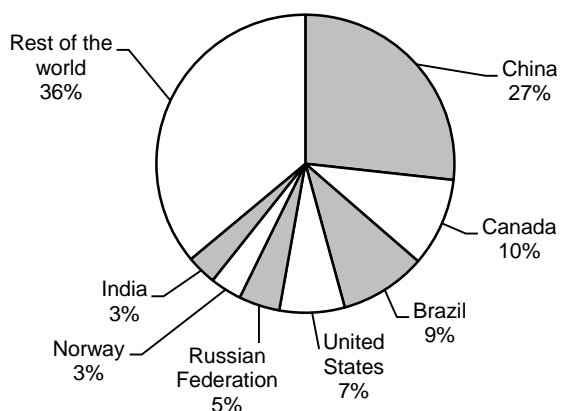


Figure 79: Major countries producing nuclear electricity, 2014

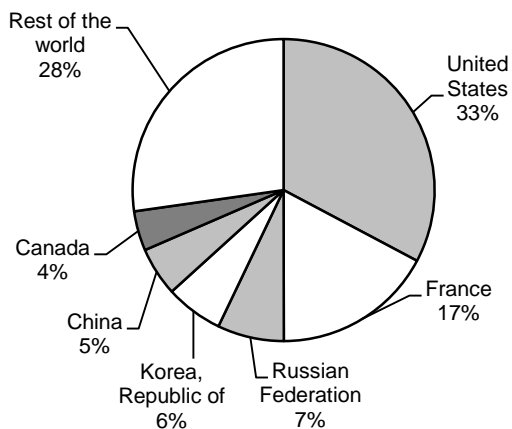


Figure 80: Major countries producing electricity from other sources, 2014

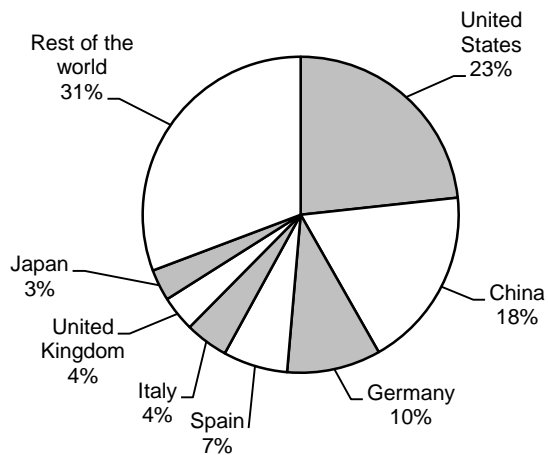


Table 32

Production of electricity - by type

Gigawatt-hours

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
World	2011	22,173,726	15,441,720	3,552,328	2,582,635	434,319	62,836	99,888
	2012	22,681,641	15,753,928	3,741,121	2,460,301	521,800	94,721	109,770
	2013	23,453,355	16,222,806	3,877,281	2,479,106	645,870	136,537	91,755
	2014	23,906,233	16,396,065	3,979,941	2,535,326	707,052	184,113	103,736
Africa	2011	699,697	567,204	114,251	13,502	2,441	658	1,642
	2012	725,089	592,994	115,368	11,954	2,512	516	1,745
	2013	746,422	604,442	121,471	14,106	3,681	647	2,074
	2014	771,383	620,149	127,230	13,794	5,318	1,707	3,185
Algeria	2011	51,224	50,722	502	..	..	..	..
	2012	57,397	56,775	622	..	..	..	..
	2013	59,890	59,560	330	..	..	..	..
	2014	64,242	63,988	254	..	..	..	..
Angola	2011	5,651	1,644	4,007	..	..	..	..
	2012	6,204	2,432	3,772	..	..	..	..
	2013	8,216	3,449	4,767	..	..	..	..
	2014	9,480	4,439	5,041	..	..	..	..
Benin	2011	155	155	..	..	..	..	..
	2012	162	162	..	..	..	..	..
	2013	173	173	..	..	..	..	..
	2014	184	184	..	..	..	..	..
Botswana	2011	437	437	..	..	..	..	..
	2012	251	250	..	..	..	1	..
	2013	761	760	..	..	..	1	..
	2014	2,365	2,363	..	..	..	*2	..
Burkina Faso	2011	530	448	82	..	..	..	..
	2012	626	529	97	..	..	..	..
	2013	*731	*625	106	..	..	..	..
	2014	*870	*779	90	..	..	..	..
Burundi	2011	141	13	128	..	..	..	..
	2012	142	3	139	..	..	..	..
	2013	159	21	138	..	..	..	..
	2014	174	34	140	..	..	..	..
Cabo Verde	2011	365	341	..	..	16	9	..
	2012	375	306	..	..	61	7	..
	2013	404	321	..	..	76	7	..
	2014	409	338	..	..	66	5	..
Cameroon	2011	5,943	1,546	4,397	..	..	..	..
	2012	6,263	1,664	4,599	..	..	..	..
	2013	6,849	1,994	4,855	..	..	..	..
	2014	6,922	1,854	5,068	..	..	..	..
Central African Rep.	2011	*174	*27	*147	..	..	..	..
	2012	*177	*27	*150	..	..	..	..
	2013	*181	*26	*155	..	..	..	..
	2014	*183	*26	*157	..	..	..	..
Chad	2011	*218	*218	..	..	..	..	..
	2012	205	205	..	..	..	..	..
	2013	*225	*225	..	..	..	..	..
	2014	*225	*225	..	..	..	..	..
Comoros	2011	*57	*57	..	..	..	..	..
	2012	*58	*58	..	..	..	..	..
	2013	*56	*56	..	..	..	..	..
	2014	*55	*55	..	..	..	..	..
Congo	2011	1,293	502	791	..	..	..	..
	2012	1,700	713	987	..	..	..	..
	2013	1,709	738	971	..	..	..	..
	2014	1,740	788	952	..	..	..	..

Production of electricity - by type

Gigawatt-hours

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
1,700,294	1,571,855	96,854	31,584	20,473,433	13,869,865	3,455,473	2,582,635	565,459
1,748,861	1,608,415	96,558	43,888	20,932,780	14,145,512	3,644,563	2,460,301	682,403
1,891,894	1,730,738	98,812	62,343	21,561,461	14,492,068	3,778,469	2,479,106	811,818
1,901,338	1,722,393	97,028	81,917	22,004,895	14,673,672	3,882,913	2,535,326	912,985
32,833	31,668	965	201	666,864	535,536	113,286	13,502	4,540
36,032	35,230	567	234	689,057	557,763	114,801	11,954	4,538
36,336	35,467	556	312	710,086	568,975	120,915	14,106	6,090
37,505	36,420	761	325	733,878	583,729	126,469	13,794	9,886
2,352	2,352	..	..	48,872	48,370	502	..	..
3,311	3,311	..	..	54,086	53,464	622	..	..
3,742	3,742	..	..	56,148	55,818	330	..	..
3,742	3,742	..	..	60,500	60,246	254	..	..
325	325	..	..	5,326	1,319	4,007	..	..
357	357	..	..	5,847	2,075	3,772	..	..
473	473	..	..	7,743	2,976	4,767	..	..
546	546	..	..	8,934	3,893	5,041	..	..
28	28	..	..	127	127	..	..	..
29	29	..	..	133	133	..	..	..
31	31	..	..	142	142	..	..	..
33	33	..	..	151	151	..	..	..
..	..	..	..	437	437	..	..	..
..	..	..	..	251	250	..	..	1
..	..	..	..	761	760	..	..	1
..	..	..	..	2,365	2,363	..	..	*2
88	88	..	..	442	360	82	..	..
147	147	..	..	479	382	97	..	..
*198	*198	..	..	*533	*427	106	..	..
*249	*249	..	..	*621	*530	90	..	..
..	..	..	..	141	13	128	..	..
..	..	..	..	142	3	139	..	..
..	..	..	..	159	21	138	..	..
..	..	..	..	174	34	140	..	..
1	1	..	..	365	340	..	..	25
1	1	..	..	374	306	..	..	69
1	1	..	..	404	321	..	..	83
1	1	..	..	408	338	..	..	71
1,194	1,194	..	..	4,749	352	4,397	..	..
1,295	1,295	..	..	4,968	369	4,599	..	..
1,607	1,607	..	..	5,242	387	4,855	..	..
1,449	1,449	..	..	5,473	405	5,068	..	..
..	..	..	..	*174	*27	*147	..	..
..	..	..	..	*177	*27	*150	..	..
..	..	..	..	*181	*26	*155	..	..
..	..	..	..	*183	*26	*157	..	..
..	..	..	..	*218	*218	..	..	..
..	..	..	..	205	205	..	..	..
..	..	..	..	*225	*225	..	..	..
..	..	..	..	*225	*225	..	..	..
..	..	..	..	*57	*57	..	..	..
..	..	..	..	*58	*58	..	..	..
..	*56	*56
..	*55	*55
493	493	800	9	791
713	713	987	0	987
738	738	971	0	971
788	788	952	0	952

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Gigawatt-hours

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Côte d'Ivoire	2011	6,099	4,325	1,774	..	..	..	..
	2012	7,016	5,227	1,789	..	..	..	..
	2013	7,650	6,044	1,606	..	..	..	..
	2014	8,286	6,373	1,913	..	..	..	..
Dem. Rep. of the Congo	2011	7,899	88	7,811	..	..	..	..
	2012	7,595	9	7,586	..	..	..	..
	2013	8,240	9	8,231	..	..	..	..
	2014	8,831	11	8,820	..	..	..	..
Djibouti	2011	*387	*387	..	..	..	..	..
	2012	393	393	..	..	..	..	..
	2013	402	402	..	..	..	..	..
	2014	402	402	..	..	..	..	..
Egypt	2011	161,162	146,224	12,934	..	1,525	479	..
	2012	164,628	150,010	13,121	..	1,260	237	..
	2013	168,050	153,252	13,352	..	1,332	114	..
	2014	177,249	161,708	13,979	..	1,315	247	..
Equatorial Guinea	2011	*281	*242	*39	..	..	..	..
	2012	*439	*242	*197	..	..	..	..
	2013	*439	*242	*197	..	..	..	..
	2014	*439	*242	*197	..	..	..	..
Eritrea	2011	337	335	..	..	..	2	..
	2012	359	357	..	..	..	2	..
	2013	363	361	..	..	..	2	..
	2014	370	368	..	..	..	2	..
Ethiopia	2011	6,336	37	6,262	..	29	..	8
	2012	7,608	12	7,388	..	192	..	16
	2013	8,719	8	8,338	..	356	..	17
	2014	9,615	9	9,195	..	392	..	19
Gabon	2011	2,033	1,193	840	..	..	..	..
	2012	2,151	1,240	908	..	..	3	..
	2013	2,264	1,330	932	..	..	2	..
	2014	2,367	1,570	795	..	..	2	..
Gambia	2011	*256	*256	..	..	..	..	..
	2012	*266	*266	..	..	..	..	..
	2013	*261	*261	..	..	..	..	..
	2014	*261	*261	..	..	..	..	..
Ghana	2011	11,366	3,805	7,561	..	..	..	..
	2012	12,204	4,133	8,071	..	..	..	..
	2013	13,047	4,814	8,233	..	..	..	..
	2014	13,139	4,752	8,387	..	..	..	..
Guinea	2011	890	*476	414	..	..	..	..
	2012	1,071	*580	491	..	..	..	..
	2013	995	*513	482	..	..	..	..
	2014	*1,015	*525	*490	..	..	..	..
Guinea-Bissau	2011	*33	*33	..	..	..	..	..
	2012	*34	*34	..	..	..	..	..
	2013	*35	*35	..	..	..	..	..
	2014	*35	*35	..	..	..	..	..
Kenya	2011	7,560	2,882	3,217	..	18	..	1,444
	2012	7,852	2,305	4,016	..	14	..	1,516
	2013	8,448	2,218	4,435	..	15	..	1,781
	2014	9,139	2,635	3,569	..	17	..	2,917
Lesotho	2011	490	..	490
	2012	485	..	485
	2013	515	..	515
	2014	515	..	515

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Gigawatt-hours

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
65	65	..	..	6,034	4,260	1,774	..	..
68	68	..	..	6,948	5,159	1,789	..	..
70	70	..	..	7,580	5,974	1,606	..	..
72	72	..	..	8,214	6,301	1,913	..	..
364	80	284	..	7,535	8	7,527	..	..
0	0	0	..	7,595	9	7,586	..	..
0	0	0	..	8,240	9	8,231	..	..
7	7	0	..	8,824	4	8,820	..	..
..	..	..	..	*387	*387	..	..	..
..	..	..	..	393	393	..	..	..
..	..	..	..	402	402	..	..	..
..	..	..	..	402	402	..	..	..
3,756	3,756	..	..	157,406	142,468	12,934	..	2,004
5,405	5,405	..	..	159,223	144,605	13,121	..	1,497
5,502	5,502	..	..	162,548	147,750	13,352	..	1,446
*5,502	*5,502	..	..	171,747	156,206	13,979	..	1,562
..	..	..	..	*281	*242	*39	..	..
..	..	..	..	*439	*242	*197	..	..
..	..	..	..	*439	*242	*197	..	..
..	..	..	..	*439	*242	*197	..	..
11	11	..	..	326	324	..	..	2
11	11	..	..	348	346	..	..	2
11	11	..	..	352	350	..	..	2
11	11	..	..	359	357	..	..	2
..	..	..	..	6,336	37	6,262	..	37
..	..	..	..	7,608	12	7,388	..	208
..	..	..	..	8,719	8	8,338	..	373
..	..	..	..	9,615	9	9,195	..	411
195	195	..	..	1,838	998	840	..	..
185	182	..	3	1,966	1,058	908	..	..
193	191	..	2	2,071	1,139	932	..	..
194	192	..	2	2,173	1,378	795	..	..
*30	*30	..	..	*226	*226	..	..	..
*31	*31	..	..	*236	*236	..	..	..
*31	*31	..	..	*230	*230	..	..	..
*31	*31	..	..	*230	*230	..	..	..
*166	*166	..	..	11,200	3,639	7,561	..	..
*180	*180	..	..	12,024	3,953	8,071	..	..
*180	*180	..	..	12,867	4,634	8,233	..	..
*180	*180	..	..	12,959	4,572	8,387	..	..
*342	*342	..	..	548	134	414	..	..
*342	*342	..	..	729	238	491	..	..
*342	*342	..	..	653	171	482	..	..
*350	*350	..	..	*665	*175	*490	..	..
*7	*7	..	..	*26	*26	..	..	..
*8	*8	..	..	*26	*26	..	..	..
*8	*8	..	..	*27	*27	..	..	..
*8	*8	..	..	*27	*27	..	..	..
..	..	..	..	7,560	2,882	3,217	..	1,461
..	..	..	..	7,852	2,305	4,016	..	1,530
..	..	..	..	8,448	2,218	4,435	..	1,796
..	..	..	..	9,139	2,635	3,569	..	2,934
..	..	..	..	490	..	490	..	..
..	..	..	..	485	..	485	..	..
..	..	..	..	515	..	515	..	..
..	..	..	..	515	..	515	..	..

Table 32

Production of electricity - by type

Gigawatt-hours

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Liberia	2011	*300	*300	..	..	..	..	..
	2012	*300	*300	..	..	..	..	..
	2013	*300	*300	..	..	..	..	..
	2014	*300	*300	..	..	..	..	..
Libya	2011	25,999	25,999	..	..	..	..	..
	2012	34,275	34,275	..	..	..	..	..
	2013	37,913	37,913	..	..	..	..	..
	2014	37,731	37,731	..	..	..	..	..
Madagascar	2011	1,438	747	690	..	..	0	..
	2012	1,520	765	755	..	..	0	..
	2013	1,594	784	809	..	..	*1	..
	2014	1,659	774	884	..	..	*1	..
Malawi	2011	1,979	*181	1,798	..	..	..	..
	2012	2,027	*181	1,846	..	..	..	..
	2013	2,098	*181	1,917	..	..	..	..
	2014	*2,098	*181	*1,917	..	..	..	..
Mali	2011	1,381	654	727	..	..	..	..
	2012	1,363	579	783	..	..	..	..
	2013	1,510	532	978	..	..	..	..
	2014	*1,679	*959	*720	..	..	..	..
Mauritania	2011	744	744	..	..	..	..	..
	2012	824	824	..	..	..	..	..
	2013	790	790	..	..	..	..	..
	2014	910	910	..	..	..	..	..
Mauritius	2011	2,739	2,679	57	..	3	..	..
	2012	2,798	2,719	74	..	4	1	..
	2013	2,882	2,781	95	..	4	3	..
	2014	2,936	2,817	91	..	3	25	..
Mayotte	2011	262	248	..	..	..	14	..
	2012	271	256	..	..	..	15	..
	2013	285	268	..	..	..	17	..
	2014	299	283	..	..	..	17	..
Morocco	2011	24,364	21,533	2,139	..	692	..	..
	2012	26,495	23,951	1,816	..	728	..	..
	2013	27,929	23,663	2,785	..	1,481	..	..
	2014	29,142	25,185	2,033	..	1,924	..	..
Mozambique	2011	16,830	20	16,810	..	..	..	..
	2012	15,166	21	15,145	..	..	..	..
	2013	15,645	840	14,805	..	..	..	..
	2014	17,739	1,379	16,359	..	..	1	..
Namibia	2011	1,607	9	1,598	..	..	..	..
	2012	1,538	67	1,471	..	..	..	..
	2013	1,712	72	1,640	..	..	..	..
	2014	1,498	13	1,485	..	..	..	..
Niger	2011	324	324	..	..	..	0	..
	2012	392	392	..	..	..	0	..
	2013	438	438	..	..	..	0	..
	2014	439	439	..	..	..	0	..
Nigeria	2011	27,034	21,151	5,883	..	..	..	..
	2012	28,706	23,047	5,659	..	..	..	..
	2013	28,883	23,557	5,326	..	..	..	..
	2014	30,390	25,044	5,346	..	..	..	..
Réunion	2011	2,750	2,195	401	..	12	142	..
	2012	2,812	2,114	488	..	19	191	..
	2013	2,813	2,017	557	..	15	224	..
	2014	2,857	2,180	426	..	16	236	..

Table 32

Production of electricity - by type

Gigawatt-hours

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
*200	*200	..	..	*100	*100	..	..	..
*200	*200	..	..	*100	*100	..	..	..
*200	*200	..	..	*100	*100	..	..	..
*200	*200	..	..	*100	*100	..	..	..
..	..	..	..	25,999	25,999	..	..	..
..	..	..	..	34,275	34,275	..	..	..
..	..	..	..	37,913	37,913	..	..	..
..	..	..	..	37,731	37,731	..	..	..
*170	*170	..	..	1,268	577	690	..	0
*170	*170	..	..	1,350	595	755	..	0
*170	*170	..	..	1,424	614	809	..	*1
*170	*170	..	..	1,489	604	884	..	*1
*181	*176	*5	..	1,798	*5	1,793	..	..
*181	*176	*5	..	1,846	*5	1,841	..	..
*181	*176	*5	..	1,917	*5	1,912	..	..
*181	*176	*5	..	*1,917	*5	*1,912	..	..
*52	*52	..	..	1,329	602	727	..	..
*52	*52	..	..	1,311	527	783	..	..
52	52	..	..	1,458	480	978	..	..
*52	*52	..	..	*1,627	*907	*720	..	..
309	309	..	..	436	436	..	..	..
323	323	..	..	501	501	..	..	..
320	320	..	..	470	470	..	..	..
380	380	..	..	530	530	..	..	..
1,609	1,609	..	..	1,130	1,070	57	..	3
1,652	1,651	..	1	1,146	1,068	74	..	4
1,706	1,703	..	3	1,176	1,078	95	..	4
1,761	1,736	..	25	1,175	1,081	91	..	3
..	..	..	..	262	248	..	..	14
..	..	..	..	271	256	..	..	15
..	..	..	..	285	268	..	..	17
..	..	..	..	299	283	..	..	17
217	217	..	..	24,147	21,316	2,139	..	692
139	139	..	..	26,356	23,812	1,816	..	728
1,180	1,180	..	..	26,749	22,483	2,785	..	1,481
1,197	1,197	..	..	27,945	23,988	2,033	..	1,924
348	..	348	..	16,482	20	16,462	..	..
263	..	263	..	14,903	21	14,882	..	..
263	..	263	..	15,382	840	14,542	..	..
468	..	467	1	17,271	1,379	15,892	..	..
..	..	..	..	1,607	9	1,598	..	..
..	..	..	..	1,538	67	1,471	..	..
..	..	..	..	1,712	72	1,640	..	..
..	..	..	..	1,498	13	1,485	..	..
54	54	..	0	270	270	..	..	..
54	54	..	0	338	338	..	..	..
39	39	..	0	399	399	..	..	..
*56	*56	..	0	383	383	..	..	..
7,002	6,882	120	..	20,032	14,269	5,763	..	..
7,435	7,320	115	..	21,271	15,727	5,544	..	..
5,257	5,148	109	..	23,626	18,409	5,217	..	..
5,582	5,473	109	..	24,808	19,571	5,237	..	..
..	..	..	..	2,750	2,195	401	..	154
..	..	..	..	2,812	2,114	488	..	209
..	..	..	..	2,813	2,017	557	..	239
..	..	..	..	2,857	2,180	426	..	252

Table 32

Production of electricity - by type

Gigawatt-hours

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Rwanda	2011	346	196	149	..	..	0	..
	2012	393	211	182	..	..	0	..
	2013	413	265	148	..	..	0	..
	2014	476	290	186	..	..	0	..
Sao Tome and Principe	2011	*60	*54	*6	..	..	..	..
	2012	*67	*60	*7	..	..	..	..
	2013	*67	*60	*7	..	..	..	..
	2014	*67	*60	*7	..	..	..	..
Senegal	2011	2,560	2,560	..	..	..	..	..
	2012	2,917	2,917	..	..	..	..	..
	2013	3,403	3,335	..	..	..	4	64
	2014	3,406	3,335	..	..	..	4	67
Seychelles	2011	324	324	..	..	..	..	..
	2012	336	336	..	..	..	..	..
	2013	354	347	..	..	7	..	..
	2014	363	355	..	..	7	1	..
Sierra Leone	2011	176	22	153	..	..	..	..
	2012	179	61	118	..	..	..	..
	2013	164	59	105	..	..	..	..
	2014	181	63	118	..	..	..	..
Somalia	2011	334	334	..	..	..	..	..
	2012	340	340	..	..	..	..	..
	2013	350	350	..	..	..	..	..
	2014	350	350	..	..	..	..	..
South Africa	2011	262,538	243,979	5,019	13,502	37	1	..
	2012	257,919	241,678	4,211	11,954	37	39	..
	2013	256,073	237,647	4,040	14,106	37	243	..
	2014	252,578	232,512	4,082	13,794	1,070	1,120	..
South Sudan	2011	..	..	..	..	..	..	..
	2012	445	443	..	..	..	2	..
	2013	472	470	..	..	..	2	..
	2014	488	486	..	..	..	2	..
St. Helena and Depend.	2011	9	8	..	..	1	..	..
	2012	10	9	..	..	1	0	..
	2013	11	10	..	..	1	0	..
	2014	*11	*10	..	..	*1	0	..
Sudan	2011	..	..	..	..	..	..	..
	2012	9,510	2,891	6,619	..	..	..	..
	2013	10,607	2,290	8,317	..	..	..	..
	2014	11,376	2,463	8,913	..	..	..	..
Sudan (former)	2011	8,455	1,988	6,467	..	..	..	..
	2012	..	..	..	..	..	..	..
	2013	..	..	..	..	..	..	..
	2014	..	..	..	..	..	..	..
Swaziland	2011	654	*321	333	..	..	..	..
	2012	*622	*350	272	..	..	..	..
	2013	*590	*350	240	..	..	..	..
	2014	567	265	302	..	..	..	..
Togo	2011	320	119	202	..	..	..	..
	2012	399	234	165	..	..	..	..
	2013	360	286	74	..	..	..	..
	2014	358	238	120	..	..	..	..
Tunisia	2011	16,497	16,142	54	..	109	2	190
	2012	18,059	17,537	110	..	196	3	213
	2013	18,382	17,740	60	..	358	12	212
	2014	19,024	18,254	56	..	507	25	182

Production of electricity - by type

Gigawatt-hours

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
..	..	..	..	346	196	149	..	0
..	..	..	..	393	211	182	..	0
..	..	..	..	413	265	148	..	0
..	..	..	..	476	290	186	..	0
..	..	..	..	*60	*54	*6	..	..
..	..	..	..	*67	*60	*7	..	..
..	..	..	..	*67	*60	*7	..	..
..	..	..	..	*67	*60	*7	..	..
1,203	1,203	..	..	1,357	1,357	..	..	..
1,496	1,496	..	..	1,421	1,421	..	..	..
673	605	..	68	2,730	2,730	..	..	..
548	477	..	71	2,858	2,858	..	..	..
..	..	..	..	324	324	..	..	..
..	..	..	..	336	336	..	..	..
..	..	..	..	354	347	..	..	7
..	..	..	..	363	355	..	..	8
..	..	..	..	176	22	153	..	..
..	..	..	..	179	61	118	..	..
..	..	..	..	164	59	105	..	..
..	..	..	..	181	63	118	..	..
..	..	..	..	334	334	..	..	..
..	..	..	..	340	340	..	..	..
..	..	..	..	350	350	..	..	..
..	..	..	..	350	350	..	..	..
10,792	10,639	153	..	251,746	233,340	4,866	13,502	38
10,403	10,275	128	..	247,516	231,403	4,083	11,954	76
11,222	11,099	123	..	244,851	226,548	3,917	14,106	280
12,177	12,053	124	..	240,401	220,459	3,958	13,794	2,190
..
234	233	..	1	211	210	..	..	1
246	245	..	1	226	225	..	..	1
254	253	..	1	234	233	..	..	1
..	..	..	..	9	8	..	..	1
..	..	..	..	10	9	..	..	1
..	..	..	..	11	10	..	..	1
..	..	..	..	*11	*10	..	..	*1
..
*74	*74	..	..	9,436	2,817	6,619	..	..
*320	*320	..	..	10,287	1,970	8,317	..	..
..	..	..	..	11,376	2,463	8,913	..	..
..	..	..	..	8,455	1,988	6,467	..	..
..
..
..
*321	*321	..	..	333	0	333	..	..
*342	*342	..	..	280	8	272	..	..
*342	*342	..	..	248	*8	240	..	..
265	265	..	..	302	0	302	..	..
11	11	..	..	309	108	202	..	..
11	11	..	..	388	223	165	..	..
7	7	..	..	353	279	74	..	..
11	11	..	..	347	227	120	..	..
696	504	..	192	15,801	15,638	54	..	109
634	418	..	216	17,425	17,119	110	..	196
745	521	..	224	17,637	17,219	60	..	358
767	560	..	207	18,257	17,694	56	..	507

Table 32

Production of electricity - by type

Gigawatt-hours

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Uganda	2011	*2,588	897	*1,691	..	..	..	..
	2012	*2,640	*915	*1,725	..	..	..	..
	2013	*2,861	*915	*1,946	..	..	..	..
	2014	3,258	697	2,561	..	..	..	..
United Rep. of Tanzania	2011	5,093	3,091	1,993	..	..	9	..
	2012	5,589	3,809	1,767	..	..	13	..
	2013	5,941	4,209	1,717	..	..	15	..
	2014	6,219	3,611	2,590	..	..	18	..
Zambia	2011	11,498	15	11,483	..	..	..	..
	2012	12,368	18	12,350	..	..	..	..
	2013	13,300	19	13,281	..	..	..	..
	2014	14,452	410	14,042	..	..	..	..
Zimbabwe	2011	9,177	3,975	5,202	..	..	..	..
	2012	9,149	3,761	5,387	..	..	..	..
	2013	9,499	4,517	4,982	..	..	..	..
	2014	10,023	4,592	5,431	..	..	..	..
America, North	2011	5,410,924	3,536,725	780,100	925,083	133,711	6,592	28,714
	2012	5,363,980	3,522,469	735,658	904,761	158,551	10,671	31,870
	2013	5,400,500	3,481,498	734,652	937,243	193,932	17,650	35,524
	2014	5,433,273	3,480,694	726,681	947,939	215,770	26,785	35,405
Anguilla	2011	95	95	..	..	..	..	..
	2012	90	90	..	..	..	..	..
	2013	89	89	..	..	..	..	..
	2014	90	90	..	..	..	..	..
Antigua and Barbuda	2011	*325	*325	..	..	..	..	..
	2012	*327	*327	..	..	..	..	..
	2013	*330	*330	..	..	..	..	..
	2014	*336	*336	..	..	..	..	..
Aruba	2011	931	818	..	..	113	..	..
	2012	915	778	..	..	136	..	..
	2013	*928	*790	..	..	*138	..	..
	2014	*917	*778	..	..	*138	..	..
Bahamas	2011	1,754	1,754	..	..	..	..	..
	2012	1,750	1,750	..	..	..	..	..
	2013	1,885	1,885	..	..	..	..	..
	2014	1,853	1,853	..	..	..	..	..
Barbados	2011	1,049	1,049	..	..	..	..	..
	2012	1,129	1,129	..	..	..	..	..
	2013	1,016	1,016	..	..	..	..	..
	2014	1,010	1,010	..	..	..	..	..
Belize	2011	*388	*144	*244	..	..	..	..
	2012	*424	*215	*208	..	..	..	..
	2013	*371	*164	*207	..	..	..	..
	2014	*404	*199	*205	..	..	..	..
Bermuda	2011	*726	*726	..	..	..	..	..
	2012	*692	*692	..	..	..	..	..
	2013	*673	*673	..	..	..	..	..
	2014	*710	*710	..	..	..	..	..
Bonaire, St Eustatius, Saba	2011	..	..	..	..	..	..	..
	2012	*119	*119	..	..	..	..	..
	2013	*122	*122	..	..	..	..	..
	2014	*124	*122	..	..	2	..	..
British Virgin Islands	2011	131	131	..	..	..	..	..
	2012	*130	*130	..	..	..	..	..
	2013	*130	*130	..	..	..	..	..
	2014	*132	*132	..	..	..	..	..

Production of electricity - by type

Gigawatt-hours

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
*85	*30	*55	..	*2,503	867	*1,636	..	..
*87	*31	*56	..	*2,553	*884	*1,669	..	..
*87	*31	*56	..	*2,774	*884	*1,890	..	..
*96	*40	*56	..	3,162	657	2,505	..	..
9	..	..	9	5,084	3,091	1,993	..	..
13	..	..	13	5,576	3,809	1,767	..	..
15	..	..	15	5,926	4,209	1,717	..	..
18	..	..	18	6,201	3,611	2,590	..	..
..	..	..	..	11,498	15	11,483	..	..
..	..	..	..	12,368	18	12,350	..	..
..	..	..	..	13,300	19	13,281	..	..
..	..	..	..	14,452	410	14,042	..	..
158	158	..	..	9,019	3,817	5,202	..	..
186	186	..	..	8,963	3,575	5,387	..	..
184	184	..	..	9,315	4,333	4,982	..	..
160	160	..	..	9,863	4,432	5,431	..	..
263,841	222,444	34,133	7,263	5,147,084	3,314,281	745,966	925,083	161,753
285,226	236,562	36,380	12,284	5,078,754	3,285,907	699,278	904,761	188,808
282,602	233,728	35,367	13,507	5,117,898	3,247,770	699,285	937,243	233,600
281,874	233,039	33,162	15,673	5,151,399	3,247,655	693,519	947,939	262,287
..	..	..	..	95	95	..	..	..
..	..	..	..	90	90	..	..	..
..	..	..	..	89	89	..	..	..
..	..	..	..	90	90	..	..	..
*1	*1	..	..	*324	*324	..	..	..
*1	*1	..	..	*326	*326	..	..	..
*1	*1	..	..	*329	*329	..	..	..
*1	*1	..	..	*335	*335	..	..	..
..	..	..	..	931	818	..	..	113
..	..	..	..	915	778	..	..	136
..	..	..	..	*928	*790	..	..	*138
..	..	..	..	*917	*778	..	..	*138
51	51	..	..	1,703	1,703	..	..	..
51	51	..	..	1,699	1,699	..	..	..
74	74	..	..	1,811	1,811	..	..	..
*74	*74	..	..	1,779	1,779	..	..	..
*5	*5	..	..	1,044	1,044	..	..	..
*4	*4	..	..	1,125	1,125	..	..	..
*3	*3	..	..	1,013	1,013	..	..	..
*3	*3	..	..	1,007	1,007	..	..	..
66	66	..	..	*322	*78	*244	..	..
72	72	..	..	*352	*143	*208	..	..
63	63	..	..	*308	*101	*207	..	..
69	69	..	..	*335	*130	*205	..	..
12	12	..	..	*714	*714	..	..	..
*12	*12	..	..	*680	*680	..	..	..
*12	*12	..	..	*661	*661	..	..	..
*12	*12	..	..	*698	*698	..	..	..
..
..	..	..	..	*119	*119	..	..	..
..	..	..	..	*122	*122	..	..	..
..	..	..	..	*124	*122	..	..	2
..	..	..	..	131	131	..	..	..
..	..	..	..	*130	*130	..	..	..
..	..	..	..	*130	*130	..	..	..
..	..	..	..	*132	*132	..	..	..

Table 32

Production of electricity - by type

Gigawatt-hours

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Canada	2011	629,901	150,042	375,797	93,589	10,187	260	26
	2012	632,921	146,063	380,340	94,862	11,310	319	27
	2013	660,795	143,406	391,861	103,439	17,963	1,499	2,627
	2014	656,225	139,402	382,574	107,678	22,538	1,756	2,277
Cayman Islands	2011	626	626	..	..	..	..	..
	2012	607	607	..	..	..	..	..
	2013	615	615	..	..	..	..	..
	2014	621	621	..	..	..	..	..
Costa Rica	2011	9,831	1,002	7,135	..	414	0	1,280
	2012	10,174	1,009	7,233	..	528	1	1,403
	2013	10,235	1,379	6,851	..	485	3	1,517
	2014	10,217	1,224	6,717	..	735	3	1,538
Cuba	2011	17,759	17,660	99	..	..	..	..
	2012	18,432	18,321	111	..	..	..	..
	2013	19,140	19,012	127	..	..	..	..
	2014	19,366	19,262	104	..	..	..	..
Curaçao	2011	..	..	..	..	..	..	..
	2012	917	885	..	..	32	..	..
	2013	904	872	..	..	32	..	..
	2014	891	859	..	..	32	..	..
Dominica	2011	100	65	36	..	..	..	..
	2012	102	75	27	..	..	..	..
	2013	101	64	37	..	..	..	..
	2014	102	72	31	..	..	..	..
Dominican Republic	2011	16,701	15,174	1,513	..	14	..	..
	2012	17,746	15,867	1,783	..	96	..	..
	2013	18,799	16,685	1,872	..	243	..	..
	2014	17,962	16,452	1,267	..	243	..	..
El Salvador	2011	6,083	2,538	2,011	..	..	..	1,534
	2012	6,237	2,855	1,847	..	..	..	1,535
	2013	6,272	2,922	1,790	..	..	..	1,560
	2014	6,223	2,947	1,718	..	..	..	1,558
Greenland	2011	565	227	338	..	..	..	..
	2012	574	229	345	..	..	..	..
	2013	568	191	378	..	..	..	..
	2014	580	184	396	..	..	..	..
Grenada	2011	204	204	..	..	..	..	..
	2012	200	200	..	..	..	..	..
	2013	197	197	..	..	..	..	..
	2014	200	200	..	..	..	..	..
Guadeloupe	2011	*1,767	*1,555	*14	..	*53	*94	*51
	2012	1,817	1,610	14	..	52	91	50
	2013	1,818	1,562	19	..	57	99	81
	2014	1,809	1,563	22	..	54	95	75
Guatemala	2011	8,798	4,376	4,175	..	..	..	246
	2012	9,335	4,631	4,459	..	..	..	246
	2013	10,024	5,152	4,660	..	..	..	212
	2014	10,638	5,531	4,853	..	..	7	247
Haiti	2011	974	853	121	..	..	..	..
	2012	1,100	879	221	..	..	..	..
	2013	1,055	914	141	..	..	..	..
	2014	1,033	943	90	..	..	..	..
Honduras	2011	7,653	4,721	2,815	..	117	..	..
	2012	7,740	4,615	2,787	..	338	..	..
	2013	8,074	5,025	2,739	..	310	..	..
	2014	8,038	5,038	2,602	..	398	..	..

Table 32

Production of electricity - by type

Gigawatt-hours

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
52,204	21,688	30,515	1	577,697	128,354	345,282	93,589	10,472
54,971	22,933	32,034	4	577,950	123,130	348,306	94,862	11,652
56,197	24,933	31,246	18	604,598	118,473	360,615	103,439	22,071
56,693	25,512	31,053	128	599,532	113,890	351,521	107,678	26,443
..	..	..	..	626	626	..	..	..
..	..	..	..	607	607	..	..	..
..	..	..	..	615	615	..	..	..
..	..	..	..	621	621	..	..	..
1,995	139	1,304	552	7,837	863	5,831	..	1,143
2,186	179	1,357	651	7,988	830	5,877	..	1,281
183	183	..	..	10,052	1,196	6,851	..	2,005
181	181	..	..	10,036	1,043	6,717	..	2,276
815	815	..	..	16,944	16,845	99	..	..
836	836	..	..	17,596	17,485	111	..	..
877	877	..	..	18,263	18,135	127	..	..
838	838	..	..	18,529	18,424	104	..	..
..
486	486	..	..	431	399	..	..	32
479	479	..	..	425	393	..	..	32
472	472	..	..	419	387	..	..	32
..	..	..	..	100	65	36	..	..
..	..	..	..	102	75	27	..	..
..	..	..	..	101	64	37	..	..
..	..	..	..	102	72	31	..	..
2,919	2,919	..	..	13,782	12,254	1,513	..	14
3,055	3,055	..	..	14,690	12,812	1,783	..	96
3,190	3,190	..	..	15,610	13,495	1,872	..	243
2,970	2,970	..	..	14,992	13,482	1,267	..	243
593	593	..	..	5,490	1,945	2,011	..	1,534
696	696	..	..	5,541	2,159	1,847	..	1,535
660	660	..	..	5,612	2,262	1,790	..	1,560
654	654	..	..	5,569	2,293	1,718	..	1,558
114	114	..	..	452	114	338	..	..
115	115	..	..	459	115	345	..	..
95	95	..	..	473	95	378	..	..
92	92	..	..	488	92	396	..	..
..	..	..	..	204	204	..	..	..
..	..	..	..	200	200	..	..	..
..	..	..	..	197	197	..	..	..
..	..	..	..	200	200	..	..	..
..	..	..	..	*1,767	*1,555	*14	..	*198
..	..	..	..	1,817	1,610	14	..	193
..	..	..	..	1,818	1,562	19	..	237
..	..	..	..	1,809	1,563	22	..	224
608	586	22	..	8,189	3,790	4,153	..	246
634	611	23	..	8,702	4,020	4,436	..	246
855	827	28	..	9,170	4,326	4,632	..	212
856	827	28	..	9,782	4,703	4,825	..	254
31	31	..	..	943	822	121	..	..
48	48	..	..	1,052	831	221	..	..
50	50	..	..	1,005	864	141	..	..
90	90	..	..	943	853	90	..	..
483	483	..	..	7,170	4,238	2,815	..	117
509	509	..	..	7,231	4,106	2,787	..	338
531	531	..	..	7,543	4,494	2,739	..	310
351	351	..	..	7,687	4,687	2,602	..	398

Table 32

Production of electricity - by type

Gigawatt-hours

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Jamaica	2011	4,171	3,926	152	..	92	..	..
	2012	4,156	3,898	151	..	108	..	..
	2013	4,256	4,017	124	..	115	..	..
	2014	4,123	3,869	135	..	119	..	..
Martinique	2011	*1,764	*1,720	..	..	*2	*43	..
	2012	*1,780	*1,736	..	..	*2	*43	..
	2013	*1,764	*1,719	..	..	*2	*44	..
	2014	*1,764	*1,719	..	..	*2	*44	..
Mexico	2011	302,785	248,253	36,247	10,089	1,648	41	6,507
	2012	307,268	257,041	31,883	8,770	3,688	69	5,817
	2013	297,326	247,163	28,002	11,800	4,185	106	6,070
	2014	301,496	240,279	38,893	9,677	6,426	221	6,000
Montserrat	2011	*23	*23	..	..	..	..	..
	2012	*23	*23	..	..	..	..	..
	2013	*23	*23	..	..	..	..	..
	2014	24	24	..	..	..	..	..
Neth. Antilles (former)	2011	1,325	1,325	..	..	..	..	..
	2012	..	..	..	..	..	..	..
	2013	..	..	..	..	..	..	..
	2014	..	..	..	..	..	..	..
Nicaragua	2011	3,824	2,896	444	..	211	..	273
	2012	4,031	2,759	419	..	330	..	523
	2013	4,163	2,466	456	..	562	..	679
	2014	4,444	2,541	395	..	846	..	662
Panama	2011	7,857	3,759	4,098	..	..	..	..
	2012	8,606	3,218	5,388	..	..	..	..
	2013	8,962	3,808	5,154	..	..	..	..
	2014	9,287	4,136	5,034	..	116	1	..
Puerto Rico	2011	22,507	22,358	150	..	..	..	..
	2012	22,556	22,429	125	..	..	2	..
	2013	21,743	21,509	91	..	118	26	..
	2014	21,317	20,969	81	..	219	48	..
Sint Maarten (Dutch part)	2011	..	..	..	..	..	..	..
	2012	*402	*402	..	..	..	..	..
	2013	410	410	..	..	..	..	..
	2014	*418	*418	..	..	..	..	..
St. Kitts-Nevis	2011	223	217	..	..	6	..	..
	2012	218	210	..	..	8	0	..
	2013	*220	*211	..	..	*8	*1	..
	2014	*220	*211	..	..	*8	*1	..
St. Lucia	2011	385	385	..	..	..	..	..
	2012	385	385	..	..	..	..	..
	2013	383	383	..	..	..	..	..
	2014	379	379	..	..	..	..	..
St. Pierre-Miquelon	2011	45	44	..	..	1	..	..
	2012	43	43	..	..	1	..	..
	2013	47	46	..	..	*1	..	..
	2014	48	47	..	..	*1	..	..
St. Vincent-Grenadines	2011	*145	*114	*31	..	..	..	..
	2012	*145	*114	*31	..	..	..	..
	2013	*139	*108	*31	..	..	..	..
	2014	*170	*132	*37	..	..	..	..
Trinidad and Tobago	2011	8,772	8,772	..	..	..	..	..
	2012	9,132	9,132	..	..	..	..	..
	2013	9,505	9,505	..	..	..	..	..
	2014	9,891	9,891	..	..	..	..	..

Table 32

Production of electricity - by type

Gigawatt-hours

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
1,411	1,319	..	92	2,760	2,607	152	..	..
1,542	1,434	..	108	2,615	2,464	151	..	..
1,914	1,799	..	115	2,343	2,218	124	..	..
1,661	1,542	..	119	2,462	2,327	135	..	..
*30	*30	..	..	*1,734	*1,690	..	..	*45
*30	*30	..	..	*1,750	*1,706	..	..	*45
*30	*30	..	..	*1,734	*1,689	..	..	*46
*30	*30	..	..	*1,734	*1,689	..	..	*46
36,426	34,643	451	1,332	266,359	213,610	35,796	10,089	6,864
45,027	42,450	566	2,011	262,241	214,591	31,317	8,770	7,563
38,505	35,483	558	2,464	258,821	211,680	27,444	11,800	7,897
43,238	37,933	748	4,557	258,258	202,346	38,145	9,677	8,090
..	..	..	..	*23	*23	..	..	..
..	..	..	..	*23	*23	..	..	..
..	..	..	..	*23	*23	..	..	..
..	..	..	..	24	24	..	..	..
702	702	..	..	623	623	..	..	..
..
..
..
419	419	..	..	3,405	2,477	444	..	484
502	501	1	..	3,529	2,258	418	..	853
535	534	1	..	3,628	1,932	455	..	1,241
545	544	1	..	3,899	1,997	394	..	1,508
23	23	..	..	7,834	3,736	4,098	..	..
26	26	..	..	8,580	3,192	5,388	..	..
33	33	..	..	8,929	3,775	5,154	..	..
31	31	..	..	9,256	4,105	5,034	..	118
*250	*250	..	..	22,257	22,108	150	..	..
*250	*250	..	..	22,306	22,179	125	..	2
*250	*250	..	..	21,493	21,259	91	..	144
*250	*250	..	..	21,067	20,719	81	..	267
..
..	..	..	..	*402	*402	..	..	..
..	..	..	..	410	410	..	..	..
..	..	..	..	*418	*418	..	..	..
1	1	..	..	222	216	..	..	6
1	1	..	..	217	209	..	..	8
*1	*1	..	..	*219	*210	..	..	*9
*1	*1	..	..	*219	*210	..	..	*9
..	..	..	..	385	385	..	..	..
..	..	..	..	385	385	..	..	..
..	..	..	..	383	383	..	..	..
..	..	..	..	379	379	..	..	..
..	..	..	..	45	44	..	..	1
..	..	..	..	43	43	..	..	1
..	..	..	..	47	46	..	..	*1
..	..	..	..	48	47	..	..	*1
..	..	..	..	*145	*114	*31	..	..
..	..	..	..	*145	*114	*31	..	..
..	..	..	..	*139	*108	*31	..	..
..	..	..	..	*170	*132	*37	..	..
72	72	..	..	8,700	8,700	..	..	..
75	75	..	..	9,057	9,057	..	..	..
78	78	..	..	9,427	9,427	..	..	..
78	78	..	..	9,813	9,813	..	..	..

Table 32

Production of electricity - by type

Gigawatt-hours

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Turks and Caicos Islands	2011	*214	*214	..	..	..	..	..
	2012	*227	*227	..	..	..	..	..
	2013	*227	*227	..	..	..	..	..
	2014	*230	*230	..	..	..	..	..
United States	2011	4,349,571	3,037,683	344,679	821,405	120,854	6,153	18,797
	2012	4,290,660	3,016,908	298,287	801,129	141,922	10,145	22,269
	2013	4,306,371	2,985,891	290,113	822,004	169,713	15,872	22,778
	2014	4,339,210	2,995,556	281,527	830,584	183,892	24,603	23,048
United States Virgin Is.	2011	951	951	..	..	..	*1	..
	2012	873	872	..	..	..	*1	..
	2013	821	820	..	..	..	*1	..
	2014	*772	*766	..	..	..	*6	..
America, South	2011	1,054,192	314,504	714,390	22,030	3,231	36	0
	2012	1,092,648	365,430	698,652	22,433	6,010	123	0
	2013	1,129,525	422,046	677,521	21,657	7,859	278	164
	2014	1,154,584	444,806	672,033	21,134	15,524	797	291
Argentina	2011	129,892	91,592	31,901	6,371	26	2	..
	2012	135,207	98,719	29,716	6,395	369	8	..
	2013	140,863	100,758	33,422	6,207	461	15	..
	2014	141,586	93,736	41,348	5,756	730	16	..
Bolivia (Plur. State of)	2011	7,220	4,870	2,347	..	..	3	..
	2012	7,661	5,306	2,352	..	..	3	..
	2013	8,065	5,526	2,535	..	1	3	..
	2014	8,755	6,490	2,251	..	8	6	..
Brazil	2011	531,759	85,062	428,333	15,659	2,705	..	..
	2012	552,498	116,068	415,342	16,038	5,050	..	..
	2013	570,838	157,810	390,992	15,450	6,579	7	..
	2014	590,541	189,497	373,439	15,378	12,211	16	..
Chile	2011	65,713	44,366	21,009	..	338	0	0
	2012	69,751	49,184	20,158	..	409	0	0
	2013	73,065	52,602	19,737	..	554	8	164
	2014	73,719	48,397	23,099	..	1,443	489	291
Colombia	2011	66,472	17,514	48,917	..	41	..	..
	2012	68,344	20,689	47,600	..	55	..	..
	2013	70,858	26,423	44,377	..	58	..	..
	2014	70,059	25,149	44,852	..	58	..	..
Ecuador	2011	20,544	9,408	11,133	..	3	0	..
	2012	22,848	10,608	12,238	..	2	0	..
	2013	23,260	12,161	11,039	..	57	4	..
	2014	24,307	12,753	11,458	..	80	17	..
Falkland Is. (Malvinas)	2011	*18	*12	..	..	*6	..	..
	2012	*18	*12	..	..	*6	..	..
	2013	*18	*12	..	..	*6	..	..
	2014	*18	*12	..	..	*6	..	..
French Guiana	2011	873	373	469	..	..	31	..
	2012	874	266	556	..	..	52	..
	2013	883	349	490	..	..	44	..
	2014	910	359	500	..	..	51	..
Guyana	2011	910	910	..	..	..	..	..
	2012	942	942	..	..	..	..	..
	2013	962	962	..	..	..	..	..
	2014	979	979	..	..	..	..	..
Paraguay	2011	57,625	1	57,624	..	..	..	..
	2012	60,235	3	60,232	..	..	..	..
	2013	60,381	3	60,378	..	..	..	..
	2014	55,282	6	55,276	..	..	..	..

Table 32

Production of electricity - by type

Gigawatt-hours

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
..	..	..	..	*214	*214	..	..	..
..	..	..	..	*227	*227	..	..	..
..	..	..	..	*227	*227	..	..	..
..	..	..	..	*230	*230	..	..	..
164,569	157,442	1,841	5,286	4,185,002	2,880,241	342,838	821,405	140,518
174,097	162,188	2,400	9,509	4,116,563	2,854,720	295,887	801,129	164,827
177,985	163,542	3,534	10,909	4,128,386	2,822,349	286,579	822,004	197,454
172,680	160,485	1,332	10,863	4,166,530	2,835,071	280,195	830,584	220,680
*41	*40	..	*1	911	911	..	..	..
*1	0	..	*1	872	872	..	..	..
*1	0	..	*1	820	820	..	..	..
*6	0	..	*6	*766	*766	..	..	..
111,471	86,499	24,964	9	942,721	228,006	689,427	22,030	3,259
113,549	90,640	22,882	26	979,099	274,789	675,770	22,433	6,107
121,664	97,627	24,007	30	1,007,861	324,419	653,514	21,657	8,271
130,024	105,660	24,314	51	1,024,560	339,146	647,719	21,134	16,561
15,052	14,994	58	..	114,840	76,598	31,843	6,371	28
15,229	15,171	58	..	119,978	83,548	29,658	6,395	377
14,716	14,663	53	..	126,147	86,095	33,369	6,207	476
14,703	14,653	50	..	126,883	79,083	41,298	5,756	746
122	119	..	3	7,098	4,751	2,347	..	..
123	120	..	3	7,538	5,186	2,352	..	..
59	56	..	3	8,006	5,470	2,535	..	1
192	186	..	6	8,563	6,304	2,251	..	8
77,033	54,321	22,712	..	454,726	30,741	405,621	15,659	2,705
78,029	57,566	20,463	..	474,469	58,502	394,879	16,038	5,050
86,163	64,105	22,053	5	484,675	93,705	368,939	15,450	6,581
94,031	71,932	22,088	11	496,510	117,565	351,351	15,378	12,216
5,427	5,365	56	6	60,286	39,001	20,953	..	332
5,778	5,577	179	22	63,973	43,607	19,979	..	387
6,422	6,228	175	19	66,643	46,374	19,562	..	707
6,310	6,123	159	28	67,409	42,274	22,940	..	2,195
3,591	3,435	156	..	62,881	14,079	48,761	..	41
3,790	3,658	132	..	64,554	17,031	47,468	..	55
3,464	3,343	121	..	67,394	23,080	44,256	..	58
3,743	3,604	139	..	66,316	21,545	44,713	..	58
3,441	2,936	505	..	17,103	6,472	10,628	..	3
3,866	3,356	511	..	18,982	7,252	11,727	..	3
3,892	3,378	514	..	19,369	8,783	10,525	..	60
3,831	3,308	522	..	20,477	9,445	10,936	..	96
*2	*2	..	..	*16	*10	..	..	*6
*2	*2	..	..	*16	*10	..	..	*6
*2	*2	..	..	*16	*10	..	..	*6
*2	*2	..	..	*16	*10	..	..	*6
..	..	..	..	873	373	469	..	31
..	..	..	..	874	266	556	..	52
..	..	..	..	883	349	490	..	44
..	..	..	..	910	359	500	..	51
306	306	..	..	605	605	..	..	..
285	285	..	..	658	658	..	..	..
302	302	..	..	660	660	..	..	..
202	202	..	..	778	778	..	..	..
..	..	..	..	57,625	1	57,624	..	..
..	..	..	..	60,235	3	60,232	..	..
..	..	..	..	60,381	3	60,378	..	..
..	..	..	..	55,282	6	55,276	..	..

Table 32

Production of electricity - by type

Gigawatt-hours

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Peru	2011	38,811	17,248	21,562	..	1	0	..
	2012	40,044	17,951	22,032	..	1	60	..
	2013	43,330	20,812	22,320	..	1	197	..
	2014	45,508	22,882	22,171	..	256	199	..
Suriname	2011	1,951	1,005	946	..	..	..	..
	2012	1,972	974	998	..	..	..	..
	2013	2,184	1,703	481	..	..	..	..
	2014	2,180	1,385	795	..	..	..	..
Uruguay	2011	10,345	3,755	6,479	..	111	..	..
	2012	10,601	5,062	5,421	..	118	..	..
	2013	11,658	3,309	8,206	..	143	..	..
	2014	13,008	2,623	9,649	..	733	3	..
Venezuela (Bolivar. Rep.)	2011	122,059	38,389	83,670	..	..	..	..
	2012	121,653	39,645	82,008	..	..	..	..
	2013	123,160	39,615	83,545	..	..	..	..
	2014	127,732	40,538	87,194	..	..	..	..
Asia	2011	9,845,786	8,069,451	1,191,663	425,377	105,822	6,548	46,925
	2012	10,298,780	8,363,089	1,390,201	345,675	137,834	9,019	52,962
	2013	11,021,968	8,936,754	1,488,803	347,563	191,139	27,348	30,361
	2014	11,477,676	9,204,823	1,601,514	379,463	201,338	50,762	39,777
Afghanistan	2011	1,005	176	829	..	..	..	..
	2012	1,022	144	878	..	..	..	..
	2013	*1,022	*218	*804	..	..	..	..
	2014	*1,049	*154	*895	..	..	..	..
Armenia	2011	7,433	2,390	2,489	2,548	6	..	..
	2012	8,036	3,399	2,311	2,322	4	..	..
	2013	7,710	3,173	2,173	2,360	4	..	..
	2014	7,750	3,289	1,992	2,465	4	..	..
Azerbaijan	2011	20,294	17,618	2,676	..	0	..	..
	2012	22,988	21,167	1,821	..	0	..	..
	2013	23,354	21,863	1,489	..	1	1	..
	2014	24,728	23,423	1,300	..	2	3	..
Bahrain	2011	24,338	24,338	..	..	..	..	..
	2012	24,770	24,770	..	..	..	..	..
	2013	25,909	25,909	..	..	..	..	..
	2014	27,246	27,246	..	..	..	..	..
Bangladesh	2011	44,153	43,281	872	..	..	..	..
	2012	48,562	47,785	777	..	..	..	..
	2013	53,043	52,000	894	..	4	145	..
	2014	55,845	55,108	588	..	4	145	..
Bhutan	2011	7,068	0	7,067	..	..	..	..
	2012	6,827	0	6,827	..	..	..	..
	2013	7,640	1	7,640	..	..	..	..
	2014	7,004	1	7,003	..	..	..	..
Brunei Darussalam	2011	3,725	3,723	..	..	..	2	..
	2012	3,930	3,928	..	..	..	2	..
	2013	4,402	4,400	..	..	..	2	..
	2014	4,506	4,504	..	..	..	2	..
Cambodia	2011	1,053	1,005	45	..	..	3	..
	2012	1,434	914	517	..	..	3	..
	2013	1,778	759	1,016	..	..	3	..
	2014	3,059	1,204	1,852	..	..	3	..
China	2011	4,713,019	3,833,702	698,945	86,350	70,331	..	23,691
	2012	4,987,553	3,892,814	872,107	97,394	95,978	..	29,260
	2013	5,431,637	4,247,009	920,291	111,613	141,197	5,564	5,963
	2014	5,649,583	4,268,649	1,064,337	132,538	156,078	15,189	12,792

Table 32

Production of electricity - by type

Gigawatt-hours

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
2,558	2,028	530	..	36,253	15,220	21,032	..	1
2,675	2,134	541	..	37,369	15,817	21,491	..	61
2,666	2,055	610	..	40,665	18,757	21,709	..	198
2,664	2,104	560	..	42,844	20,778	21,611	..	455
1,604	658	946	..	347	347	..	..	..
1,446	448	998	..	526	526	..	..	..
1,514	1,033	481	..	670	670	..	..	..
1,591	796	795	..	589	589	..	..	..
810	810	..	..	9,535	2,945	6,479	..	111
867	865	..	1	9,734	4,197	5,421	..	117
928	925	..	3	10,730	2,384	8,206	..	140
1,280	1,274	..	6	11,728	1,349	9,649	..	730
1,526	1,526	..	..	120,533	36,863	83,670	..	..
1,459	1,459	..	..	120,194	38,186	82,008	..	..
1,537	1,537	..	..	121,623	38,078	83,545	..	..
1,476	1,476	..	..	126,256	39,062	87,194	..	..
913,540	881,628	21,276	10,636	8,932,247	7,187,823	1,170,387	425,377	148,659
936,206	902,707	20,900	12,599	9,362,573	7,460,382	1,369,301	345,675	187,216
1,077,711	1,032,082	22,335	23,293	9,944,257	7,904,672	1,466,468	347,563	225,554
1,079,808	1,022,891	22,404	34,513	10,397,868	8,181,931	1,579,110	379,463	257,364
286	5	281	..	719	171	548	..	..
301	5	296	..	721	139	582	..	..
*276	*5	*271	..	*746	*213	*533	..	..
*307	*5	*302	..	*742	*149	*593	..	..
..	..	..	..	7,433	2,390	2,489	2,548	6
..	..	..	..	8,036	3,399	2,311	2,322	4
..	..	..	..	7,710	3,173	2,173	2,360	4
..	..	..	..	7,750	3,289	1,992	2,465	4
301	301	..	..	19,993	17,317	2,676	..	0
1,630	1,630	..	..	21,358	19,537	1,821	..	0
1,798	1,798	..	..	21,556	20,065	1,489	..	2
2,022	2,022	..	..	22,706	21,401	1,300	..	5
10,632	10,632	..	..	13,706	13,706	..	..	..
10,510	10,510	..	..	14,260	14,260	..	..	..
11,166	11,166	..	..	14,743	14,743	..	..	..
10,989	10,989	..	..	16,257	16,257	..	..	..
12,951	12,951	..	..	31,202	30,330	872	..	..
13,208	13,208	..	..	35,354	34,577	777	..	..
14,277	14,277	..	..	38,766	37,723	894	..	149
15,418	15,418	..	..	40,427	39,690	588	..	149
..	..	..	..	7,068	0	7,067	..	..
..	..	..	..	6,827	0	6,827	..	..
..	..	..	..	7,640	1	7,640	..	..
..	..	..	..	7,004	1	7,003	..	..
330	330	..	..	3,395	3,393	..	..	2
406	406	..	..	3,524	3,522	..	..	2
460	460	..	..	3,942	3,940	..	..	2
496	496	..	..	4,010	4,008	..	..	2
..	..	..	..	1,053	1,005	45	..	3
..	..	..	..	1,434	914	517	..	3
..	..	..	..	1,778	759	1,016	..	3
..	..	..	..	3,059	1,204	1,852	..	3
310,913	310,913	..	..	4,402,106	3,522,789	698,945	86,350	94,022
315,707	315,707	..	..	4,671,846	3,577,107	872,107	97,394	125,238
344,432	344,432	..	..	5,087,205	3,902,577	920,291	111,613	152,724
346,187	346,187	..	..	5,303,396	3,922,462	1,064,337	132,538	184,059

Table 32

Production of electricity - by type

Gigawatt-hours

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
China, Hong Kong SAR	2011	39,026	39,026	..	..	..	..	..
	2012	38,752	38,752	..	..	..	..	..
	2013	39,063	39,063	..	..	..	..	..
	2014	39,803	39,803	..	..	..	..	..
China, Macao SAR	2011	886	886	..	..	..	..	..
	2012	561	561	..	..	..	..	..
	2013	413	413	..	..	..	..	..
	2014	641	641	..	..	..	..	..
Cyprus	2011	4,929	4,803	..	..	114	12	..
	2012	4,717	4,510	..	..	185	22	..
	2013	4,290	4,012	..	..	231	47	..
	2014	4,350	4,084	..	..	182	84	..
Georgia	2011	10,104	2,212	7,892	..	..	..	..
	2012	9,698	2,477	7,221	..	..	..	..
	2013	10,059	1,788	8,271	..	..	..	..
	2014	10,370	2,036	8,334	..	..	..	..
India	2011	973,006	813,625	103,741	32,287	23,353	..	..
	2012	1,035,264	860,173	113,855	32,871	28,365	..	..
	2013	1,193,480	980,599	141,637	34,228	33,583	3,433	..
	2014	1,308,873	1,111,341	129,353	36,102	27,057	5,020	..
Indonesia	2011	182,389	160,593	12,419	..	5	1	9,371
	2012	196,181	173,957	12,799	..	5	3	9,417
	2013	216,186	189,835	16,930	..	1	6	9,414
	2014	220,794	191,991	18,800	..	0	7	9,996
Iran (Islamic Rep. of)	2011	240,052	227,428	12,058	327	217	0	22
	2012	254,276	239,752	12,447	1,847	207	0	23
	2013	262,434	242,909	14,582	4,546	376	0	21
	2014	274,609	255,917	13,862	4,472	358	..	..
Iraq	2011	54,240	50,100	4,140	..	..	..	..
	2012	46,018	41,626	4,392	..	..	..	..
	2013	58,422	53,665	4,757	..	..	..	..
	2014	67,768	64,837	2,931	..	..	..	..
Israel	2011	59,679	59,371	29	..	7	192	80
	2012	63,003	62,595	33	..	6	369	0
	2013	61,322	60,794	28	..	6	494	0
	2014	60,813	59,954	13	..	6	840	..
Japan	2011	1,082,230	876,365	91,709	101,761	4,559	5,160	2,676
	2012	1,064,065	950,187	83,645	15,939	4,722	6,963	2,609
	2013	1,065,623	950,236	84,923	9,303	4,286	14,279	2,596
	2014	1,040,676	921,613	86,942	0	5,038	24,506	2,577
Jordan	2011	14,647	14,589	55	..	3	..	..
	2012	16,596	16,532	61	..	3	..	..
	2013	17,263	17,205	55	..	3	..	..
	2014	18,270	18,210	58	..	2	..	..
Kazakhstan	2011	86,586	78,703	7,883	..	..	..	..
	2012	92,817	85,177	7,637	..	3	..	..
	2013	103,086	95,349	7,731	..	5	1	..
	2014	105,068	96,791	8,263	..	13	1	..
Korea, Dem.Ppl's.Rep.	2011	19,226	6,026	13,200	..	..	..	..
	2012	19,236	5,736	13,500	..	..	..	..
	2013	18,332	4,432	13,900	..	..	..	..
	2014	17,909	4,909	13,000	..	..	..	..
Korea, Republic of	2011	523,286	358,505	7,831	154,723	863	917	447
	2012	534,618	374,116	7,652	150,327	917	1,103	503
	2013	541,996	390,858	8,394	138,784	1,149	1,605	1,206
	2014	550,933	381,510	7,820	156,407	1,146	2,557	1,493

Production of electricity - by type

Gigawatt-hours

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
..	..	..	..	39,026	39,026	..	..	..
..	..	..	..	38,752	38,752	..	..	..
..	..	..	..	39,063	39,063	..	..	..
..	..	..	..	39,803	39,803	..	..	..
153	153	..	..	733	733	..	..	..
169	169	..	..	392	392	..	..	..
186	186	..	..	227	227	..	..	..
206	206	..	..	435	435	..	..	..
68	66	..	2	4,861	4,737	..	..	124
60	58	..	2	4,657	4,452	..	..	205
60	58	..	2	4,230	3,954	..	..	276
78	58	..	20	4,272	4,026	..	..	246
..	..	..	..	10,104	2,212	7,892	..	..
..	..	..	..	9,698	2,477	7,221	..	..
..	..	..	..	10,059	1,788	8,271	..	..
..	..	..	..	10,370	2,036	8,334	..	..
128,401	128,172	*229	..	844,605	685,453	103,512	32,287	23,353
*128,401	*128,172	*229	..	906,863	732,001	113,626	32,871	28,365
190,737	188,122	129	2,486	1,002,743	792,477	141,508	34,228	34,530
*162,057	*159,837	*109	*2,111	1,146,816	951,504	129,244	36,102	29,966
33,767	31,659	2,103	5	148,622	128,934	10,316	..	9,372
40,566	38,287	2,274	5	155,615	135,670	10,525	..	9,420
47,150	43,233	3,916	1	169,036	146,602	13,014	..	9,420
45,497	41,513	3,984	0	175,297	150,478	14,816	..	10,003
9,836	9,836	..	..	230,216	217,592	12,058	327	239
10,740	10,740	..	..	243,536	229,012	12,447	1,847	230
6,549	6,549	..	..	255,885	236,360	14,582	4,546	397
6,270	6,270	..	..	268,339	249,647	13,862	4,472	358
..	..	..	..	54,240	50,100	4,140	..	..
..	..	..	..	46,018	41,626	4,392	..	..
..	..	..	..	58,422	53,665	4,757	..	..
..	..	..	..	67,768	64,837	2,931	..	..
1,824	1,552	5	267	57,855	57,819	24	..	12
1,515	1,142	4	369	61,488	61,453	29	..	6
2,296	1,797	5	494	59,026	58,997	23	..	6
3,335	2,490	5	840	57,478	57,464	8	..	6
165,684	138,579	17,331	9,774	916,546	737,786	74,378	101,761	2,621
163,002	135,020	16,285	11,697	901,063	815,167	67,360	15,939	2,597
167,907	132,992	16,322	18,593	897,716	817,244	68,601	9,303	2,568
176,472	130,206	16,687	29,579	864,204	791,407	70,255	0	2,542
257	257	..	..	14,390	14,332	55	..	3
241	241	..	..	16,355	16,291	61	..	3
286	286	..	..	16,977	16,919	55	..	3
383	383	..	..	17,887	17,827	58	..	2
..	..	..	..	86,586	78,703	7,883	..	..
..	..	..	..	92,817	85,177	7,637	..	3
1	..	..	1	103,085	95,349	7,731	..	5
1	..	..	1	105,067	96,791	8,263	..	13
..	..	..	..	19,226	6,026	13,200	..	..
..	..	..	..	19,236	5,736	13,500	..	..
..	..	..	..	18,332	4,432	13,900	..	..
..	..	..	..	17,909	4,909	13,000	..	..
29,690	29,305	..	385	493,596	329,200	7,831	154,723	1,842
30,958	30,637	..	321	503,660	343,479	7,652	150,327	2,202
28,163	27,712	..	451	513,833	363,146	8,394	138,784	3,509
32,971	32,466	..	505	517,962	349,044	7,820	156,407	4,691

Table 32

Production of electricity - by type

Gigawatt-hours

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Kuwait	2011	57,457	57,457	..	..	..	..	..
	2012	62,655	62,655	..	..	..	..	..
	2013	60,982	60,982	..	..	..	..	..
	2014	65,140	65,140	..	..	..	..	..
Kyrgyzstan	2011	15,158	1,019	14,139	..	..	..	..
	2012	15,168	989	14,179	..	..	..	..
	2013	14,011	914	13,097	..	..	..	..
	2014	14,572	1,274	13,298	..	..	..	..
Lao People's Dem. Rep.	2011	3,802	*300	3,309	..	..	*193	..
	2012	*3,802	*300	*3,309	..	..	*193	..
	2013	4,471	*300	3,976	..	..	*195	..
	2014	4,380	*300	3,885	..	..	*195	..
Lebanon	2011	16,365	15,560	805	..	..	..	..
	2012	14,826	13,819	1,007	..	..	..	..
	2013	17,487	16,218	1,269	..	..	..	..
	2014	17,952	17,759	193	..	..	..	..
Malaysia	2011	124,894	117,269	7,624	..	..	1	..
	2012	134,421	125,319	9,054	..	..	48	..
	2013	138,331	127,604	10,586	..	..	141	..
	2014	147,461	133,846	13,388	..	..	227	..
Maldives	2011	275	274	..	..	..	1	..
	2012	299	297	..	..	..	2	..
	2013	305	303	..	..	..	*2	..
	2014	329	327	..	..	..	*2	..
Mongolia	2011	4,812	4,812	..	..	..	..	..
	2012	5,182	5,182	..	..	..	..	..
	2013	6,215	6,215	..	..	..	..	..
	2014	6,725	6,725	..	..	..	..	..
Myanmar	2011	10,425	2,907	7,518	..	..	..	..
	2012	10,965	3,199	7,766	..	..	..	..
	2013	12,247	3,424	8,823	..	..	..	..
	2014	14,156	5,327	8,829	..	..	..	..
Nepal	2011	3,492	2	3,490	..	..	..	..
	2012	3,543	10	3,533	..	..	..	..
	2013	3,130	10	3,120	..	..	..	..
	2014	3,508	10	3,498	..	..	..	..
Oman	2011	21,874	21,874	..	..	..	..	..
	2012	25,017	25,017	..	..	..	..	..
	2013	26,240	26,240	..	..	..	..	..
	2014	29,128	29,128	..	..	..	..	..
Other Asia	2011	252,016	201,594	6,902	42,116	1,371	33	..
	2012	250,336	199,770	8,606	40,422	1,262	276	..
	2013	252,351	200,124	8,610	41,639	1,640	338	..
	2014	260,025	208,145	7,439	42,389	1,500	552	..
Pakistan	2011	95,090	61,308	28,517	5,265	..	..	..
	2012	*96,126	*61,716	29,857	4,553	..	..	..
	2013	*104,076	*66,716	31,873	5,090	397	..	..
	2014	*105,305	*68,390	31,428	5,090	397	..	..
Philippines	2011	69,210	49,463	9,715	..	88	1	9,942
	2012	72,956	52,360	10,269	..	75	1	10,250
	2013	75,300	55,592	10,036	..	66	1	9,605
	2014	77,295	57,664	9,154	..	152	17	10,308
Qatar	2011	30,730	30,730	..	..	..	..	..
	2012	34,787	34,787	..	..	..	..	..
	2013	34,668	34,668	..	..	..	..	..
	2014	38,692	38,692	..	..	..	..	..

Table 32

Production of electricity - by type

Gigawatt-hours

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
..	..	..	..	57,457	57,457	..	..	..
..	..	..	..	62,655	62,655	..	..	..
..	..	..	..	60,982	60,982	..	..	..
..	..	..	..	65,140	65,140	..	..	..
..	..	..	..	15,158	1,019	14,139	..	..
..	..	..	..	15,168	989	14,179	..	..
7	7	..	..	14,004	907	13,097	..	..
20	20	..	..	14,552	1,254	13,298	..	..
*193	..	..	*193	3,609	*300	3,309	..	..
*193	..	..	*193	*3,609	*300	*3,309	..	..
*195	..	..	*195	4,276	*300	3,976	..	..
*195	..	..	*195	4,185	*300	3,885	..	..
4,750	4,750	..	..	11,615	10,810	805	..	..
6,000	6,000	..	..	8,826	7,819	1,007	..	..
7,000	7,000	..	..	10,487	9,218	1,269	..	..
5,565	5,565	..	..	12,387	12,194	193	..	..
5,133	5,133	..	..	119,761	112,136	7,624	..	1
6,154	6,154	..	..	128,267	119,165	9,054	..	48
5,020	5,020	..	..	133,311	122,584	10,586	..	141
4,673	4,673	..	..	142,788	129,173	13,388	..	227
..	..	..	..	275	274	..	..	1
..	..	..	..	299	297	..	..	2
..	..	..	..	305	303	..	..	*2
..	..	..	..	329	327	..	..	*2
*276	*276	..	..	4,536	4,536	..	..	..
*366	*366	..	..	4,816	4,816	..	..	..
*1,196	*1,196	..	..	5,020	5,020	..	..	..
*1,349	*1,349	..	..	5,376	5,376	..	..	..
..	..	..	..	10,425	2,907	7,518	..	..
42	..	42	..	10,923	3,199	7,725	..	..
945	495	450	..	11,302	2,929	8,373	..	..
2,959	2,281	678	..	11,197	3,046	8,151	..	..
59	..	59	..	3,433	2	3,431	..	..
84	..	84	..	3,459	10	3,449	..	..
137	..	137	..	2,993	10	2,983	..	..
*140	..	*140	..	3,368	10	3,358	..	..
..	..	..	..	21,874	21,874	..	..	..
..	..	..	..	25,017	25,017	..	..	..
..	..	..	..	26,240	26,240	..	..	..
..	..	..	..	29,128	29,128	..	..	..
36,489	36,489	..	..	215,527	165,105	6,902	42,116	1,404
34,223	34,223	..	..	216,113	165,547	8,606	40,422	1,538
37,192	37,192	..	..	215,159	162,932	8,610	41,639	1,978
38,071	38,071	..	..	221,954	170,074	7,439	42,389	2,052
39,674	39,674	..	..	55,416	21,634	28,517	5,265	..
*40,174	*40,174	..	..	55,952	*21,542	29,857	4,553	..
*43,174	*43,174	..	..	60,902	*23,542	31,873	5,090	397
*44,257	*44,257	..	..	61,048	*24,133	31,428	5,090	397
*34	*17	*17	..	69,176	49,446	9,698	..	10,032
*34	*17	*17	..	72,922	52,343	10,252	..	10,327
*34	*17	*17	..	75,266	55,575	10,019	..	9,672
*34	*17	*17	..	77,261	57,647	9,137	..	10,477
28,370	28,370	..	..	2,360	2,360	..	..	..
31,799	31,799	..	..	2,988	2,988	..	..	..
31,578	31,578	..	..	3,090	3,090	..	..	..
35,190	35,190	..	..	3,502	3,502	..	..	..

Table 32

Production of electricity - by type

Gigawatt-hours

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Saudi Arabia	2011	250,077	250,077	..	..	..	0	..
	2012	271,680	271,679	..	..	..	1	..
	2013	284,017	284,016	..	..	..	1	..
	2014	311,806	311,805	..	..	..	1	..
Singapore	2011	46,000	46,000	..	..	..	..	..
	2012	46,971	46,971	..	..	..	..	..
	2013	47,964	47,964	..	..	..	..	..
	2014	49,310	49,310	..	..	..	..	..
Sri Lanka	2011	11,600	6,916	4,584	..	92	9	..
	2012	11,897	8,439	3,302	..	147	10	..
	2013	12,044	4,870	6,929	..	236	*10	..
	2014	12,832	7,986	4,563	..	273	*9	..
State of Palestine	2011	569	569	..	..	..	..	..
	2012	461	461	..	..	..	..	..
	2013	536	536	..	..	..	..	..
	2014	337	337	..	..	..	..	..
Syrian Arab Republic	2011	42,025	38,742	3,283	..	..	..	..
	2012	31,188	27,951	3,237	..	..	..	..
	2013	25,933	22,933	3,000	..	..	..	..
	2014	21,726	18,726	3,000	..	..	..	..
Tajikistan	2011	16,234	38	16,196	..	..	..	..
	2012	16,998	74	16,924	..	..	..	..
	2013	17,115	44	17,071	..	..	..	..
	2014	16,472	472	16,000	..	..	..	..
Thailand	2011	151,595	143,632	7,935	..	*3	*23	2
	2012	166,471	158,013	8,431	..	*3	*23	1
	2013	175,531	168,397	5,748	..	305	1,080	1
	2014	180,862	173,631	5,540	..	305	1,385	1
Timor-Leste	2011	140	140	..	..	..	..	..
	2012	126	126	..	..	..	..	..
	2013	295	295	..	..	..	..	..
	2014	349	349	..	..	..	..	..
Turkey	2011	229,393	171,638	52,338	..	4,723	..	694
	2012	239,496	174,872	57,865	..	5,860	..	899
	2013	240,154	171,622	59,420	..	7,557	..	1,555
	2014	251,963	200,171	40,645	..	8,520	17	2,610
Turkmenistan	2011	17,220	17,220	0	..	..	..	..
	2012	17,750	17,750	0	..	..	..	..
	2013	18,870	18,870	..	..	..	..	..
	2014	20,400	20,400	..	..	..	..	..
United Arab Emirates	2011	99,137	99,137	..	..	..	..	..
	2012	106,222	106,222	..	..	..	..	..
	2013	109,979	109,979	..	..	..	..	..
	2014	116,528	116,528	..	..	..	..	..
Uzbekistan	2011	52,400	42,160	10,240	..	..	..	..
	2012	52,500	41,290	11,210	..	..	..	..
	2013	54,200	42,640	11,560	..	..	..	..
	2014	55,400	43,570	11,830	..	..	..	..
Viet Nam	2011	105,219	63,944	41,188	..	87	..	..
	2012	118,940	65,676	53,172	..	*92	..	..
	2013	128,549	70,287	58,170	..	*92	..	..
	2014	145,730	83,950	61,480	..	*300	..	..
Yemen	2011	6,204	6,204	..	..	..	..	..
	2012	7,073	7,073	..	..	..	..	..
	2013	8,501	8,501	..	..	..	..	..
	2014	7,646	7,646	..	..	..	..	..

Table 32

Production of electricity - by type

Gigawatt-hours

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
59,797	59,797	..	..	190,280	190,280	..	..	0
64,548	64,548	..	..	207,132	207,131	..	..	1
85,117	85,117	..	..	198,900	198,899	..	..	1
97,218	97,218	..	..	214,588	214,587	..	..	1
1,315	1,315	..	..	44,685	44,685	..	..	..
1,775	1,775	..	..	45,197	45,197	..	..	..
2,804	2,804	..	..	45,160	45,160	..	..	..
2,974	2,974	..	..	46,336	46,336	..	..	..
18	0	11	8	11,582	6,916	4,573	..	93
18	0	11	8	11,879	8,439	3,291	..	149
*20	0	*11	*9	12,024	4,870	6,918	..	236
*20	..	*11	*9	12,812	7,986	4,552	..	274
..	..	..	..	569	569	..	..	..
..	..	..	..	461	461	..	..	..
..	..	..	..	536	536	..	..	..
..	..	..	..	337	337	..	..	..
1,060	1,060	..	..	40,965	37,682	3,283	..	..
752	752	..	..	30,436	27,199	3,237	..	..
498	498	..	..	25,435	22,435	3,000	..	..
497	497	..	..	21,229	18,229	3,000	..	..
..	..	..	..	16,234	38	16,196	..	..
..	..	..	..	16,998	74	16,924	..	..
..	..	..	..	17,115	44	17,071	..	..
..	..	..	..	16,472	472	16,000	..	..
14,936	14,936	..	..	136,659	128,696	7,935	..	*28
15,134	15,134	..	..	151,337	142,879	8,431	..	*27
29,532	28,668	..	864	145,999	139,729	5,748	..	522
34,890	33,782	..	1,108	145,972	139,849	5,540	..	583
..	..	..	..	140	140	..	..	..
..	..	..	..	126	126	..	..	..
..	..	..	..	295	295	..	..	..
..	..	..	..	349	349	..	..	..
12,243	11,001	1,240	2	217,150	160,637	51,098	..	5,415
13,254	11,594	1,658	2	226,242	163,278	56,207	..	6,757
13,071	11,800	1,076	195	227,083	159,822	58,344	..	8,917
4,441	3,907	391	143	247,522	196,264	40,254	..	11,004
..	..	..	..	17,220	17,220	0	..	..
..	..	..	..	17,750	17,750	0	..	..
..	..	..	..	18,870	18,870	..	..	..
..	..	..	..	20,400	20,400	..	..	..
..	..	..	..	99,137	99,137	..	..	..
..	..	..	..	106,222	106,222	..	..	..
..	..	..	..	109,979	109,979	..	..	..
..	..	..	..	116,528	116,528	..	..	..
197	197	..	..	52,203	41,963	10,240	..	..
193	193	..	..	52,307	41,097	11,210	..	..
199	199	..	..	54,001	42,441	11,560	..	..
204	204	..	..	55,196	43,366	11,830	..	..
3,633	3,633	..	..	101,586	60,311	41,188	..	87
*3,703	*3,700	*1	*2	115,237	61,976	53,171	..	*90
*4,003	*4,000	*1	*2	124,546	66,287	58,169	..	*90
*4,182	*4,100	*80	*2	141,548	79,850	61,400	..	*298
269	269	..	..	5,935	5,935	..	..	..
346	346	..	..	6,727	6,727	..	..	..
245	245	..	..	8,256	8,256	..	..	..
240	240	..	..	7,406	7,406	..	..	..

Table 32

Production of electricity - by type

Gigawatt-hours

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Europe	2011	4,854,141	2,705,057	707,938	1,196,643	181,022	47,463	16,018
	2012	4,895,081	2,661,372	762,097	1,175,478	207,780	71,815	16,539
	2013	4,850,703	2,538,127	811,304	1,158,537	239,214	86,764	16,758
	2014	4,766,092	2,412,213	807,781	1,172,996	256,572	99,168	17,361
Albania	2011	4,217	59	4,158	..	..	..	..
	2012	4,725	..	4,725	..	..	..	..
	2013	6,956	..	6,956	..	..	..	..
	2014	4,724	..	4,724	..	..	..	..
Andorra	2011	91	12	79	..	..	..	..
	2012	88	12	76	..	..	..	..
	2013	115	13	102	..	..	..	..
	2014	127	13	113	..	..	..	..
Austria	2011	65,813	25,909	37,782	..	1,936	174	12
	2012	72,617	22,101	47,705	..	2,462	337	12
	2013	68,277	18,752	45,777	..	3,152	582	14
	2014	65,421	15,949	44,828	..	3,846	785	13
Belarus	2011	32,200	32,157	42	..	1	..	..
	2012	30,799	30,723	70	..	6	..	..
	2013	31,507	31,361	138	..	8	..	..
	2014	34,735	34,602	121	..	11	1	..
Belgium	2011	90,241	36,969	1,423	48,234	2,312	1,169	134
	2012	82,923	35,843	1,659	40,295	2,751	2,148	227
	2013	83,526	32,467	1,723	42,644	3,687	2,644	361
	2014	72,688	29,582	1,507	33,703	4,614	2,883	399
Bosnia and Herzegovina	2011	15,280	10,893	4,387	..	..	..	..
	2012	14,082	9,867	4,215	..	..	..	..
	2013	17,451	10,215	7,236	..	..	..	..
	2014	16,160	10,225	5,935	..	..	..	..
Bulgaria	2011	50,797	29,807	3,691	16,314	861	101	23
	2012	47,329	25,518	3,976	15,785	1,221	814	15
	2013	43,784	22,067	4,795	14,171	1,374	1,361	16
	2014	47,485	23,858	5,163	15,867	1,331	1,252	14
Croatia	2011	11,373	6,010	5,162	..	201	0	..
	2012	10,755	5,425	4,999	..	329	2	..
	2013	14,052	4,797	8,727	..	517	11	..
	2014	13,554	3,664	9,125	..	730	35	..
Czechia	2011	87,561	54,035	2,664	28,283	397	2,182	..
	2012	87,573	51,824	2,860	30,324	416	2,149	..
	2013	87,065	50,167	3,639	30,745	481	2,033	..
	2014	86,024	50,138	2,961	30,325	477	2,123	..
Denmark	2011	35,229	25,423	17	..	9,774	15	..
	2012	30,701	20,310	17	..	10,270	104	..
	2013	34,760	23,106	13	..	11,123	518	..
	2014	32,183	18,493	15	..	13,079	596	..
Estonia	2011	12,893	12,495	30	..	368	..	..
	2012	11,967	11,491	42	..	434	..	..
	2013	13,275	12,720	26	..	529	..	..
	2014	12,446	11,815	27	..	604	..	..
Faeroe Islands	2011	274	167	93	..	15	..	..
	2012	292	181	100	..	11	..	..
	2013	293	180	91	..	22	..	..
	2014	305	150	121	..	34	..	..
Finland	2011	73,506	37,083	12,445	23,187	481	10	300
	2012	70,416	29,746	16,859	22,987	494	11	319
	2013	71,263	33,744	12,838	23,606	774	12	289
	2014	68,093	29,711	13,397	23,580	1,107	8	290

Table 32

Production of electricity - by type

Gigawatt-hours

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
354,664	328,084	15,154	11,426	4,499,477	2,376,973	692,784	1,196,643	233,077
353,849	322,717	15,465	15,667	4,541,231	2,338,655	746,632	1,175,478	280,466
345,342	308,310	16,174	20,858	4,505,362	2,229,817	795,130	1,158,537	321,878
342,868	300,880	16,015	25,973	4,423,223	2,111,332	791,766	1,172,996	347,128
..	..	..	..	4,217	59	4,158	..	..
..	..	..	..	4,725	..	4,725	..	..
..	..	..	..	6,956	..	6,956	..	..
..	..	..	..	4,724	..	4,724	..	..
..	..	..	..	91	12	79	..	..
..	..	..	..	88	12	76	..	..
..	..	..	..	115	13	102	..	..
..	..	..	..	127	13	113	..	..
9,454	8,477	966	11	56,359	17,432	36,816	..	2,111
8,572	8,023	538	11	64,045	14,078	47,167	..	2,800
8,099	7,533	552	14	60,178	11,219	45,225	..	3,734
7,691	7,101	577	13	57,730	8,848	44,251	..	4,631
2,596	2,591	4	1	29,604	29,566	38	..	..
3,050	3,042	6	2	27,749	27,681	64	..	4
2,976	2,967	7	2	28,531	28,394	131	..	6
3,072	3,061	7	4	31,663	31,541	114	..	8
6,874	5,561	..	1,313	83,367	31,408	1,423	48,234	2,302
8,496	6,103	..	2,393	74,427	29,740	1,659	40,295	2,733
9,124	6,110	..	3,014	74,402	26,357	1,723	42,644	3,678
9,789	6,488	..	3,301	62,899	23,094	1,507	33,703	4,595
325	325	..	..	14,955	10,568	4,387	..	..
343	343	..	..	13,739	9,524	4,215	..	..
369	369	..	..	17,082	9,846	7,236	..	..
403	403	..	..	15,757	9,822	5,935	..	..
147	124	..	23	50,650	29,683	3,691	16,314	962
270	255	..	15	47,059	25,263	3,976	15,785	2,035
268	252	..	16	43,516	21,815	4,795	14,171	2,735
253	239	..	14	47,232	23,619	5,163	15,867	2,583
516	512	4	..	10,857	5,498	5,158	..	201
388	383	5	..	10,367	5,042	4,994	..	331
332	327	5	..	13,720	4,470	8,722	..	528
345	338	7	..	13,209	3,326	9,118	..	765
8,129	7,626	503	..	79,432	46,409	2,161	28,283	2,579
7,985	7,462	523	..	79,588	44,362	2,337	30,324	2,565
8,218	7,597	621	..	78,847	42,570	3,018	30,745	2,514
8,478	7,914	564	..	77,546	42,224	2,397	30,325	2,600
2,161	2,146	..	15	33,068	23,277	17	..	9,774
2,047	1,943	..	104	28,654	18,367	17	..	10,270
2,437	1,919	..	518	32,323	21,187	13	..	11,123
2,606	2,010	..	596	29,577	16,483	15	..	13,079
105	105	..	0	12,788	12,390	30	..	368
98	97	..	1	11,869	11,394	42	..	433
91	86	..	5	13,184	12,634	26	..	524
57	42	1	14	12,389	11,773	26	..	590
..	..	..	..	274	167	93	..	15
..	..	..	..	292	181	100	..	11
..	..	..	..	293	180	91	..	22
..	..	..	..	305	150	121	..	34
10,654	9,510	949	195	62,852	27,573	11,496	23,187	596
10,255	8,791	1,244	220	60,161	20,955	15,615	22,987	604
10,122	8,960	979	183	61,141	24,784	11,859	23,606	892
10,093	8,976	927	190	58,000	20,735	12,470	23,580	1,215

Table 32

Production of electricity - by type

Gigawatt-hours

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
France	2011	561,448	54,594	49,865	442,383	12,051	2,078	477
	2012	565,704	56,722	63,594	425,406	14,914	4,016	1,052
	2013	572,308	50,877	75,867	423,685	16,034	4,735	1,110
	2014	562,776	33,484	68,626	436,474	17,249	5,909	1,034
Germany	2011	613,068	410,773	23,511	107,971	48,883	19,599	2,331
	2012	629,812	423,424	27,849	99,460	50,670	26,380	2,029
	2013	638,729	428,094	28,782	97,290	51,708	31,010	1,845
	2014	627,795	409,688	25,444	97,129	57,357	36,056	2,121
Gibraltar	2011	171	171	..	..	..	..	..
	2012	176	176	..	..	..	..	..
	2013	189	189	..	..	..	..	..
	2014	198	198	..	..	..	..	..
Greece	2011	59,436	51,236	4,275	..	3,315	610	..
	2012	60,959	50,824	4,591	..	3,850	1,694	..
	2013	57,152	42,981	6,384	..	4,139	3,648	..
	2014	50,474	38,386	4,607	..	3,689	3,792	..
Guernsey	2011	85	85	..	..	..	..	..
	2012	68	68	..	..	..	..	..
	2013	289	289	..	..	..	..	..
	2014	227	227	..	..	..	..	..
Hungary	2011	36,019	19,485	222	15,685	626	1	..
	2012	34,635	17,851	213	15,793	770	8	..
	2013	30,291	13,933	213	15,370	718	25	32
	2014	29,371	12,652	302	15,649	657	56	55
Iceland	2011	17,211	2	12,507	..	..	..	4,702
	2012	17,549	3	12,337	..	..	..	5,209
	2013	18,116	5	12,863	..	3	..	5,245
	2014	18,122	3	12,873	..	8	..	5,238
Ireland	2011	27,474	22,386	707	..	4,380	1	..
	2012	27,600	22,575	1,014	..	4,010	1	..
	2013	26,142	20,655	944	..	4,542	1	..
	2014	26,314	20,185	988	..	5,140	1	..
Isle of Man	2011	499	496	3	..	..	..	..
	2012	296	292	4	..	..	..	..
	2013	*504	*500	*4	..	..	..	..
	2014	*504	*500	*4	..	..	..	..
Italy	2011	302,582	227,711	47,757	..	9,856	10,796	6,462
	2012	299,277	216,811	43,854	..	13,407	18,862	6,343
	2013	289,807	192,237	54,672	..	14,897	21,589	6,412
	2014	279,827	175,510	60,256	..	15,178	22,306	6,577
Jersey	2011	46	46	..	..	..	..	..
	2012	60	60	..	..	..	..	..
	2013	328	328	..	..	..	..	..
	2014	135	135	..	..	..	..	..
Latvia	2011	6,095	3,137	2,887	..	71	..	..
	2012	6,167	2,346	3,707	..	114	..	..
	2013	6,209	3,177	2,912	..	120	..	..
	2014	5,141	3,006	1,994	..	141	..	..
Liechtenstein	2011	72	4	62	..	..	6	..
	2012	86	4	74	..	..	9	..
	2013	85	3	69	..	..	13	..
	2014	40	3	22	..	..	16	..
Lithuania	2011	4,822	3,034	1,056	..	475	..	257
	2012	5,043	3,337	937	..	540	2	227
	2013	4,762	2,808	1,069	..	603	45	237
	2014	4,397	2,354	1,088	..	639	73	243

Table 32

Production of electricity - by type

Gigawatt-hours

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
15,852	13,255	476	2,121	545,596	41,339	49,389	442,383	12,485
21,882	17,220	654	4,008	543,822	39,502	62,940	425,406	15,974
18,786	13,225	743	4,818	553,522	37,652	75,124	423,685	17,061
18,629	12,619	800	5,210	544,147	20,865	67,826	436,474	18,982
50,614	48,649	327	1,638	562,454	362,124	23,184	107,971	69,175
44,094	42,421	350	1,323	585,718	381,003	27,499	99,460	77,756
44,892	43,466	182	1,244	593,837	384,628	28,600	97,290	83,319
45,450	43,874	162	1,414	582,345	365,814	25,282	97,129	94,120
..	..	..	..	171	171	..	..	..
..	..	..	..	176	176	..	..	..
..	..	..	..	189	189	..	..	..
..	..	..	..	198	198	..	..	..
2,553	2,553	..	..	56,883	48,683	4,275	..	3,925
2,351	2,351	..	..	58,608	48,473	4,591	..	5,544
1,885	1,885	..	..	55,267	41,096	6,384	..	7,787
1,792	1,792	..	..	48,682	36,594	4,607	..	7,481
..	..	..	..	85	85	..	..	..
..	..	..	..	68	68	..	..	..
..	..	..	..	289	289	..	..	..
..	..	..	..	227	227	..	..	..
696	695	..	1	35,323	18,790	222	15,685	626
516	508	..	8	34,119	17,343	213	15,793	770
612	555	..	57	29,679	13,378	213	15,370	718
642	531	..	111	28,729	12,121	302	15,649	657
..	..	..	..	17,211	2	12,507	..	4,702
..	..	..	..	17,549	3	12,337	..	5,209
..	..	..	..	18,116	5	12,863	..	5,248
..	..	..	..	18,122	3	12,873	..	5,246
1,964	1,963	..	1	25,510	20,423	707	..	4,380
2,126	2,125	..	1	25,474	20,450	1,014	..	4,010
2,056	2,055	..	1	24,086	18,600	944	..	4,542
2,073	2,072	..	1	24,241	18,113	988	..	5,140
..	..	..	..	499	496	3	..	..
..	..	..	..	296	292	4	..	..
..	..	..	..	*504	*500	*4	..	..
..	..	..	..	*504	*500	*4	..	..
23,563	22,183	868	512	279,019	205,528	46,889	..	26,602
16,057	15,025	573	459	283,220	201,786	43,281	..	38,153
16,073	15,124	627	322	273,734	177,113	54,045	..	42,576
15,742	14,749	738	255	264,085	160,761	59,518	..	43,806
33	33	..	..	13	13	..	..	..
43	43	..	..	17	17	..	..	..
181	181	..	..	147	147	..	..	..
37	37	..	..	99	99	..	..	..
88	79	9	0	6,007	3,058	2,878	..	71
183	176	7	0	5,984	2,170	3,700	..	114
257	251	3	3	5,952	2,926	2,909	..	117
257	246	7	4	4,884	2,760	1,987	..	137
..	..	..	..	72	4	62	..	6
..	..	..	..	86	4	74	..	9
..	..	..	..	85	3	69	..	13
..	..	..	..	40	3	22	..	16
600	343	..	257	4,222	2,691	1,056	..	475
787	560	..	227	4,256	2,777	937	..	542
621	384	..	237	4,141	2,424	1,069	..	648
736	493	..	243	3,661	1,861	1,088	..	712

Table 32

Production of electricity - by type

Gigawatt-hours

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Luxembourg	2011	3,718	2,498	1,130	..	64	26	..
	2012	3,818	2,543	1,160	..	77	38	..
	2013	2,888	1,573	1,158	..	83	74	..
	2014	2,967	1,623	1,169	..	80	95	..
Malta	2011	2,187	2,174	..	..	..	13	..
	2012	2,307	2,277	..	..	..	30	..
	2013	2,251	2,222	..	..	..	29	..
	2014	2,245	2,177	..	..	..	68	..
Montenegro	2011	2,809	1,600	1,209	..	..	..	..
	2012	2,844	1,367	1,477	..	..	..	..
	2013	3,945	1,444	2,501	..	..	..	..
	2014	3,040	1,322	1,716	..	..	2	..
Netherlands	2011	113,963	104,412	57	4,141	5,101	104	148
	2012	103,298	93,925	104	3,915	4,981	226	147
	2013	101,736	92,494	114	2,891	5,627	487	123
	2014	103,418	92,488	112	4,091	5,797	785	145
Norway	2011	127,655	4,739	121,552	..	1,283	..	81
	2012	147,716	3,354	142,812	..	1,548	..	2
	2013	133,975	3,152	128,699	..	1,881	..	243
	2014	142,327	3,172	136,636	..	2,216	..	303
Poland	2011	163,548	157,477	2,761	..	3,205	..	105
	2012	162,139	154,845	2,465	..	4,747	1	81
	2013	164,557	155,444	2,997	..	6,004	1	111
	2014	159,059	148,500	2,734	..	7,676	7	142
Portugal	2011	52,463	30,693	12,115	..	9,161	280	214
	2012	46,614	29,151	6,660	..	10,259	393	151
	2013	51,672	24,110	14,868	..	12,014	479	201
	2014	52,802	23,440	16,412	..	12,111	627	212
Republic of Moldova	2011	1,016	940	76	..	0	..	..
	2012	932	898	34	..	0	..	..
	2013	905	859	45	..	1	..	..
	2014	963	902	59	..	1	1	..
Romania	2011	62,217	34,135	14,946	11,747	1,388	1	..
	2012	59,045	32,594	12,337	11,466	2,640	8	..
	2013	58,887	27,021	15,308	11,618	4,520	420	..
	2014	65,676	26,903	19,280	11,676	6,201	1,616	..
Russian Federation	2011	1,054,765	713,689	167,608	172,941	5	..	522
	2012	1,070,734	725,399	167,319	177,534	5	..	477
	2013	1,059,092	703,481	182,654	172,508	5	..	444
	2014	1,064,207	705,598	177,141	180,757	96	160	455
Serbia	2011	38,600	29,357	9,243	..	..	..	..
	2012	36,799	26,885	9,914	..	..	..	..
	2013	39,877	29,024	10,853	..	..	..	..
	2014	34,060	22,437	11,617	..	..	6	..
Slovakia	2011	28,656	8,619	4,146	15,411	5	397	78
	2012	28,664	8,231	4,439	15,495	6	424	69
	2013	28,832	7,283	5,166	15,720	6	588	69
	2014	27,401	6,719	4,462	15,499	6	597	118
Slovenia	2011	16,059	6,073	3,706	6,215	0	65	..
	2012	15,736	5,958	4,087	5,528	0	163	..
	2013	16,103	5,661	4,923	5,300	4	215	..
	2014	17,437	4,440	6,366	6,370	4	257	..
Spain	2011	293,848	150,730	32,911	57,718	42,918	9,400	171
	2012	297,559	150,312	24,162	61,470	49,472	11,968	175
	2013	285,632	119,111	41,052	56,726	55,646	13,097	..
	2014	278,750	112,789	42,970	57,305	52,013	13,673	..

Table 32

Production of electricity - by type

Gigawatt-hours

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
208	178	4	26	3,510	2,320	1,126	..	64
225	182	5	38	3,593	2,361	1,155	..	77
265	185	6	74	2,623	1,388	1,152	..	83
271	170	6	95	2,696	1,453	1,163	..	80
10	5	..	5	2,177	2,169	..	..	8
26	9	..	17	2,281	2,268	..	..	13
35	6	..	29	2,216	2,216	..	..	0
75	7	..	68	2,170	2,170	..	..	..
..	..	..	..	2,809	1,600	1,209	..	..
..	..	..	..	2,844	1,367	1,477	..	..
..	..	..	..	3,945	1,444	2,501	..	..
2	..	..	2	3,038	1,322	1,716	..	..
24,748	23,582	..	1,166	89,215	80,830	57	4,141	4,187
25,148	23,881	..	1,267	78,150	70,044	104	3,915	4,087
24,608	22,998	..	1,610	77,128	69,496	114	2,891	4,627
21,960	20,048	..	1,912	81,458	72,440	112	4,091	4,815
9,538	4,379	5,101	58	118,117	360	116,451	..	1,306
8,619	2,897	5,720	2	139,097	457	137,092	..	1,548
8,472	2,670	5,559	243	125,503	482	123,140	..	1,881
7,671	2,651	4,717	303	134,656	521	131,919	..	2,216
8,342	8,235	2	105	155,206	149,242	2,759	..	3,205
8,449	8,365	2	82	153,690	146,480	2,463	..	4,747
8,917	8,802	3	112	155,640	146,642	2,994	..	6,004
8,881	8,729	3	149	150,178	139,771	2,731	..	7,676
8,347	8,251	14	82	44,116	22,442	12,101	..	9,573
8,344	8,184	10	150	38,270	20,967	6,650	..	10,653
9,010	8,780	20	210	42,662	15,330	14,848	..	12,484
8,435	8,117	23	295	44,367	15,323	16,389	..	12,655
34	34	..	..	982	906	76	..	0
32	32	..	..	900	866	34	..	0
44	44	..	..	861	815	45	..	1
72	71	..	1	891	831	59	..	1
2,780	2,626	129	25	59,437	31,509	14,817	11,747	1,364
4,252	3,908	158	186	54,793	28,686	12,179	11,466	2,462
6,519	5,918	246	355	52,368	21,103	15,062	11,618	4,585
6,095	5,037	327	731	59,581	21,866	18,953	11,676	7,086
64,108	63,002	1,106	..	990,657	650,687	166,502	172,941	527
67,181	66,158	1,023	..	1,003,553	659,241	166,296	177,534	482
64,495	63,047	1,448	..	994,597	640,434	181,206	172,508	449
66,732	65,186	1,546	..	997,475	640,412	175,595	180,757	711
230	230	..	..	38,370	29,127	9,243	..	..
171	171	..	..	36,628	26,714	9,914	..	..
202	202	..	..	39,675	28,822	10,853	..	..
289	289	..	..	33,771	22,148	11,617	..	6
2,492	1,996	101	395	26,164	6,623	4,045	15,411	85
2,536	2,039	88	409	26,128	6,192	4,351	15,495	90
2,470	1,825	106	539	26,362	5,458	5,060	15,720	124
3,040	2,317	116	607	24,361	4,402	4,346	15,499	114
436	248	125	63	15,623	5,825	3,581	6,215	2
534	251	126	157	15,202	5,707	3,961	5,528	6
622	247	166	209	15,481	5,414	4,757	5,300	10
749	271	228	250	16,688	4,169	6,138	6,370	11
40,818	39,750	861	207	253,030	110,980	32,050	57,718	52,282
41,427	40,752	462	213	256,132	109,560	23,700	61,470	61,402
38,128	37,145	943	40	247,504	81,966	40,109	56,726	68,703
32,111	31,006	1,064	41	246,639	81,783	41,906	57,305	65,645

Table 32

Production of electricity - by type

Gigawatt-hours

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Sweden	2011	150,376	17,256	66,556	60,475	6,078	11	..
	2012	166,562	16,283	79,058	64,037	7,165	19	..
	2013	153,166	15,336	61,496	66,457	9,842	35	..
	2014	153,662	13,632	63,872	64,877	11,234	47	..
Switzerland	2011	64,629	3,567	34,133	26,710	70	149	..
	2012	69,893	3,739	40,305	25,441	88	320	..
	2013	70,312	3,720	39,968	25,990	90	544	..
	2014	71,767	3,566	39,701	27,557	101	842	..
T.F.Yug.Rep. Macedonia	2011	6,759	5,325	1,433	..	..	1	..
	2012	6,262	5,218	1,041	..	..	3	..
	2013	6,094	4,501	1,584	..	..	9	..
	2014	5,303	4,082	1,207	..	..	14	..
Ukraine	2011	194,947	93,634	10,946	90,248	89	30	..
	2012	198,878	97,126	10,994	90,137	288	333	..
	2013	194,377	95,487	14,472	83,209	639	570	..
	2014	182,815	83,549	9,318	88,389	1,130	429	..
United Kingdom	2011	367,423	273,961	8,585	68,980	15,652	244	1
	2012	363,582	263,734	8,252	70,405	19,835	1,352	4
	2013	359,168	250,539	7,606	70,607	28,421	1,989	6
	2014	338,925	230,342	8,768	63,748	32,015	4,050	2
Oceania	2011	308,986	248,779	43,987	..	8,092	1,540	6,589
	2012	306,065	248,574	39,145	..	9,113	2,578	6,655
	2013	304,237	239,939	43,529	..	10,045	3,850	6,874
	2014	303,224	233,381	44,703	..	12,531	4,895	7,716
American Samoa	2011	155	155	..	..	..	..	..
	2012	157	156	..	..	..	1	..
	2013	*156	*155	..	..	..	*1	..
	2014	157	156	..	..	..	*1	..
Australia	2011	253,958	229,535	16,807	..	6,085	1,530	1
	2012	251,165	227,552	14,083	..	6,970	2,559	1
	2013	249,720	219,663	18,270	..	7,960	3,826	1
	2014	248,299	214,767	18,421	..	10,252	4,858	1
Cook Islands	2011	34	34	..	..	..	..	..
	2012	33	33	..	..	..	..	..
	2013	33	33	..	..	..	..	..
	2014	32	32	..	..	..	..	..
Fiji	2011	801	340	456	..	5	..	..
	2012	803	271	525	..	7	..	..
	2013	858	325	527	..	5	..	..
	2014	859	454	401	..	4	..	..
French Polynesia	2011	*761	*533	*225	..	..	*3	..
	2012	*768	*553	*209	..	..	*6	..
	2013	*744	*542	*195	..	..	*7	..
	2014	*721	*492	*219	..	..	*10	..
Guam	2011	*1,858	*1,858	..	..	..	..	..
	2012	*1,799	*1,799	..	..	..	..	..
	2013	1,736	1,736	..	..	..	..	..
	2014	*1,750	*1,750	..	..	..	..	..
Kiribati	2011	*24	*24	..	..	..	..	..
	2012	*24	*24	..	..	..	..	..
	2013	*24	*24	..	..	..	..	..
	2014	*24	*24	..	..	..	..	..
Marshall Islands	2011	*79	*79	..	..	..	..	..
	2012	78	78	..	..	..	0	..
	2013	84	83	..	..	..	0	..
	2014	*85	*85	..	..	..	0	..

Table 32

Production of electricity - by type

Gigawatt-hours

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
6,015	6,000	15	..	144,361	11,256	66,541	60,475	6,089
6,350	6,333	17	..	160,212	9,950	79,041	64,037	7,184
5,854	5,844	10	..	147,312	9,492	61,486	66,457	9,877
5,797	5,785	12	..	147,865	7,847	63,860	64,877	11,281
5,414	2,782	2,483	149	59,215	785	31,650	26,710	70
6,065	2,927	2,818	320	63,828	812	37,487	25,441	88
6,397	3,020	2,833	544	63,915	700	37,135	25,990	90
6,865	3,109	2,914	842	64,902	457	36,787	27,557	101
2	2	..	..	6,757	5,323	1,433	..	1
2	2	..	..	6,260	5,216	1,041	..	3
2	2	..	..	6,092	4,499	1,584	..	9
1	1	..	..	5,302	4,081	1,207	..	14
3,653	3,632	21	..	191,294	90,002	10,925	90,248	119
3,773	3,753	20	..	195,105	93,373	10,974	90,137	621
3,200	3,177	22	1	191,177	92,310	14,450	83,209	1,208
2,927	2,905	19	3	179,888	80,644	9,299	88,389	1,556
40,565	36,422	1,086	3,057	326,858	237,539	7,499	68,980	12,840
41,172	36,002	1,116	4,054	322,410	227,732	7,136	70,405	17,137
38,703	31,152	1,093	6,458	320,465	219,387	6,513	70,607	23,958
42,751	32,197	1,250	9,304	296,174	198,145	7,518	63,748	26,763
23,945	21,532	363	2,050	285,041	227,246	43,624	..	14,171
24,000	20,558	364	3,078	282,065	228,016	38,781	..	15,269
28,240	23,524	373	4,343	275,997	216,415	43,156	..	16,426
29,257	23,503	373	5,382	273,967	209,878	44,330	..	19,760
..	..	..	..	155	155	..	..	..
..	..	..	..	157	156	..	..	1
..	..	..	..	*156	*155	..	..	*1
..	..	..	..	157	156	..	..	*1
19,814	18,289	..	1,525	234,144	211,246	16,807	..	6,091
19,667	17,112	..	2,555	231,498	210,440	14,083	..	6,975
23,364	19,543	..	3,821	226,356	200,120	18,270	..	7,966
24,355	19,504	..	4,851	223,944	195,263	18,421	..	10,260
..	..	..	..	34	34	..	..	..
..	..	..	..	33	33	..	..	..
..	..	..	..	33	33	..	..	..
..	..	..	..	32	32	..	..	..
44	44	..	..	757	295	456	..	5
48	48	..	..	755	223	525	..	7
47	47	..	..	811	278	527	..	5
50	50	..	..	810	404	401	..	4
..	..	..	..	*761	*533	*225	..	*3
..	..	..	..	*768	*553	*209	..	*6
..	..	..	..	*744	*542	*195	..	*7
..	..	..	..	*721	*492	*219	..	*10
..	..	..	..	*1,858	*1,858	..	..	..
..	..	..	..	*1,799	*1,799	..	..	..
..	..	..	..	1,736	1,736	..	..	..
..	..	..	..	*1,750	*1,750	..	..	..
..	..	..	..	*24	*24	..	..	..
..	..	..	..	*24	*24	..	..	..
..	..	..	..	*24	*24	..	..	..
..	..	..	..	*24	*24	..	..	..
..	..	..	..	*79	*79	..	..	..
..	..	..	..	78	78	..	..	0
..	..	..	..	84	83	..	..	0
..	..	..	..	*85	*85	..	..	0

Table 32

Production of electricity - by type

Gigawatt-hours

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Micronesia (Fed. States of)	2011	66	64	..	..	..	*2	..
	2012	*67	*65	..	..	..	*2	..
	2013	*68	*66	..	..	..	*2	..
	2014	70	68	..	..	..	*2	..
Nauru	2011	23	23	..	..	..	0	..
	2012	24	24	..	..	..	0	..
	2013	*24	*24	..	..	..	0	..
	2014	*25	*25	..	..	..	0	..
New Caledonia	2011	2,267	1,843	375	..	46	4	..
	2012	2,288	1,827	399	..	57	5	..
	2013	2,506	1,994	455	..	52	5	..
	2014	2,622	2,272	288	..	57	5	..
New Zealand	2011	44,465	11,233	25,114	..	1,952	..	6,166
	2012	44,260	13,046	22,901	..	2,076	5	6,232
	2013	43,265	11,739	23,044	..	2,024	7	6,451
	2014	43,553	9,694	24,336	..	2,214	16	7,293
Niue	2011	3	3	..	..	..	0	..
	2012	3	3	..	..	..	0	..
	2013	3	3	..	..	..	0	..
	2014	3	3	..	..	..	0	..
Northern Mariana Islands	2011	*407	*407	..	..	..	..	..
	2012	*411	*411	..	..	..	..	..
	2013	*415	*415	..	..	..	..	..
	2014	*419	*419	..	..	..	..	..
Palau	2011	*78	*78	..	..	..	..	..
	2012	*78	*78	..	..	..	..	..
	2013	*78	*78	..	..	..	..	..
	2014	*79	*79	..	..	..	..	..
Papua New Guinea	2011	3,666	2,275	969	..	..	..	422
	2012	3,764	2,359	983	..	..	..	422
	2013	4,169	2,752	995	..	..	..	422
	2014	*4,169	*2,752	*995	..	..	..	*422
Samoa	2011	114	79	35	..	..	..	..
	2012	117	80	37	..	..	..	..
	2013	*121	*85	*36	..	..	..	..
	2014	*121	*85	*36	..	..	..	..
Solomon Islands	2011	83	83	..	..	..	..	..
	2012	83	83	..	..	..	..	..
	2013	89	89	..	..	..	..	..
	2014	92	92	..	..	..	..	..
Tonga	2011	53	53	..	..	..	..	..
	2012	52	52	..	..	..	..	..
	2013	*53	*51	..	..	..	*2	..
	2014	*55	*52	..	..	..	*2	..
Tuvalu	2011	5	5	..	..	..	..	..
	2012	*5	*5	..	..	..	..	..
	2013	*5	*5	..	..	..	..	..
	2014	*5	*5	..	..	..	..	..
Vanuatu	2011	*68	*57	6	..	*5	0	..
	2012	67	57	7	..	3	0	..
	2013	*68	*58	*7	..	*3	0	..
	2014	*67	*56	*7	..	*3	0	..
Wallis and Futuna Is.	2011	20	20	..	..	..	..	..
	2012	19	19	..	..	..	..	..
	2013	19	19	..	..	..	..	..
	2014	19	19	..	..	..	..	..

Table 32

Production of electricity - by type

Gigawatt-hours

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
..	..	..	..	66	64	..	..	*2
..	..	..	..	*67	*65	..	..	*2
..	..	..	..	*68	*66	..	..	*2
..	..	..	..	70	68	..	..	*2
..	..	..	..	23	23	..	..	0
..	..	..	..	24	24	..	..	0
..	..	..	..	*24	*24	..	..	0
..	..	..	..	*25	*25	..	..	0
*11	*10	..	*1	2,256	1,833	375	..	49
24	23	..	*1	2,264	1,804	399	..	61
207	206	..	1	2,299	1,788	455	..	56
*242	*241	..	*1	2,380	2,031	288	..	61
1,276	1,162	12	102	43,189	10,071	25,102	..	8,016
1,374	1,261	13	100	42,886	11,785	22,888	..	8,213
1,409	1,297	13	99	41,856	10,442	23,031	..	8,383
1,398	1,277	13	108	42,155	8,417	24,323	..	9,415
..	..	..	..	3	3	..	..	0
..	..	..	..	3	3	..	..	0
..	..	..	..	3	3	..	..	0
..	..	..	..	3	3	..	..	0
..	..	..	..	*407	*407	..	..	..
..	..	..	..	*411	*411	..	..	..
..	..	..	..	*415	*415	..	..	..
..	..	..	..	*419	*419	..	..	..
*6	*6	..	..	*72	*72	..	..	..
*6	*6	..	..	*72	*72	..	..	..
*6	*6	..	..	*72	*72	..	..	..
*6	*6	..	..	*73	*73	..	..	..
2,781	2,008	351	422	885	267	618	..	..
2,868	2,095	351	422	896	264	632	..	..
3,194	2,412	360	422	975	340	635	..	..
*3,194	*2,412	*360	*422	*975	*340	*635	..	..
*5	*5	..	..	109	74	35	..	..
*5	*5	..	..	112	75	37	..	..
*5	*5	..	..	*116	*80	*36	..	..
*5	*5	..	..	*116	*80	*36	..	..
*8	*8	..	..	75	75	..	..	..
*8	*8	..	..	75	75	..	..	..
*8	*8	..	..	81	81	..	..	..
*8	*8	..	..	84	84	..	..	..
..	..	..	..	53	53	..	..	..
..	..	..	..	52	52	..	..	..
..	..	..	..	*53	*51	..	..	*2
..	..	..	..	*55	*52	..	..	*2
..	..	..	..	5	5	..	..	..
..	..	..	..	*5	*5	..	..	..
..	..	..	..	*5	*5	..	..	..
..	..	..	..	*5	*5	..	..	..
..	..	..	..	*68	*57	6	..	*5
..	..	..	..	67	57	7	..	3
..	..	..	..	*68	*58	*7	..	*3
..	..	..	..	*67	*56	*7	..	*3
..	..	..	..	20	20	..	..	..
..	..	..	..	19	19	..	..	..
..	..	..	..	19	19	..	..	..
..	..	..	..	19	19	..	..	..