

Table 11.17 World Electrical Installed Capacity by Type, 1980, 1990, and 2002
(Million Kilowatts)

Region and Country	Fossil Fuels			Nuclear Electric Power			Hydroelectric Power ¹			Total ²		
	1980	1990	2002 ^P	1980	1990	2002 ^P	1980	1990	2002 ^P	1980	1990	2002 ^P
North America	481.7	575.0	752.1	57.7	112.2	110.7	135.7	159.1	176.6	676.4	860.0	1,058.2
Canada	26.6	28.0	31.9	5.9	11.9	10.6	47.9	57.9	67.2	80.8	98.9	111.0
Mexico	10.8	18.9	30.4	0.0	0.7	1.4	6.1	7.8	9.6	17.0	28.0	42.3
United States	444.1	527.8	689.5	51.8	99.6	98.7	81.7	93.4	99.8	578.4	732.8	904.6
Other	0.2	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.3
Central and South America	36.0	44.9	70.2	0.4	1.7	3.0	43.0	84.1	117.5	81.2	132.8	194.3
Argentina	8.0	9.5	16.4	0.4	1.0	1.0	3.6	6.6	9.6	12.0	17.2	27.0
Brazil	4.1	4.7	7.6	0.0	0.7	2.0	27.5	44.8	63.4	33.4	52.1	76.2
Paraguay	0.1	(s)	0.0	0.0	0.0	0.0	0.2	5.8	8.0	0.2	5.8	8.0
Venezuela	5.8	8.5	8.1	0.0	0.0	0.0	2.7	10.0	13.1	8.5	18.5	21.2
Other	18.0	22.1	38.0	0.0	0.0	0.0	9.0	16.9	23.4	27.1	39.2	61.8
Western Europe	291.8	315.8	356.0	44.7	117.7	127.7	126.7	140.5	146.4	464.0	577.1	654.5
Belgium	8.2	7.2	8.1	1.7	5.5	5.7	0.7	0.1	0.1	10.6	12.8	14.2
Finland	6.3	7.8	10.9	2.2	2.4	2.6	2.4	2.6	2.9	11.0	12.7	16.5
France	30.1	22.8	26.5	14.4	52.5	63.2	16.4	20.3	20.7	61.0	95.9	111.2
Germany	84.1	87.5	77.4	10.4	24.5	22.4	7.9	8.7	4.3	102.5	120.7	115.0
Italy	27.6	37.5	53.7	1.4	0.0	0.0	15.8	12.6	13.5	45.3	50.6	69.1
Netherlands	16.9	16.8	19.3	0.5	0.5	0.4	0.0	(s)	(s)	17.4	17.3	20.4
Norway	0.2	0.2	0.1	0.0	0.0	0.0	19.8	25.7	26.8	20.0	26.0	27.1
Spain	13.9	19.9	26.4	1.1	7.5	7.5	13.5	11.6	12.7	28.5	39.1	50.4
Sweden	7.9	7.2	7.3	4.6	9.9	9.5	14.9	15.8	16.5	27.4	33.5	33.6
Switzerland	0.6	0.8	0.5	1.9	3.0	3.2	11.5	10.1	11.6	14.0	13.9	15.6
Turkey	3.0	9.2	16.6	0.0	0.0	0.0	2.1	6.6	11.7	5.1	15.8	28.3
United Kingdom	65.6	59.1	61.8	6.5	11.4	12.5	2.5	1.4	1.5	74.5	72.0	77.0
Other	27.3	39.9	47.3	0.0	0.7	0.7	19.3	25.0	24.0	46.7	66.8	76.0
Eastern Europe and Former U.S.S.R.	261.1	311.1	299.7	14.2	45.8	48.2	61.0	77.0	79.9	336.3	433.9	427.9
Czech Republic	—	—	11.5	—	—	2.8	—	—	1.0	—	—	15.3
Kazakhstan	—	—	14.7	—	—	0.0	—	—	2.2	—	—	16.9
Poland	23.0	26.1	28.4	0.0	0.0	0.0	0.6	0.6	0.9	23.6	26.8	29.3
Romania	12.7	17.3	15.6	0.0	0.0	0.7	3.5	5.6	6.1	16.1	22.9	22.4
Russia	—	—	139.6	—	—	21.2	—	—	44.7	—	—	205.6
Ukraine	—	—	35.3	—	—	11.8	—	—	4.7	—	—	51.9
Other	225.5	267.7	54.6	14.2	45.8	11.6	56.9	70.7	20.3	296.5	384.2	86.6
Middle East	27.9	68.2	99.7	0.0	0.0	0.0	2.6	4.8	5.5	30.4	73.0	105.2
Iran	9.4	15.5	25.2	0.0	0.0	0.0	1.8	2.0	2.8	11.2	17.4	28.0
Saudi Arabia	5.9	19.1	23.8	0.0	0.0	0.0	0.0	0.0	0.0	5.9	19.1	23.8
Other	12.5	33.7	50.7	0.0	0.0	0.0	0.8	2.8	2.7	13.3	36.5	53.4
Africa	30.5	57.4	79.8	0.0	1.8	1.8	13.9	18.5	20.6	44.5	77.8	102.3
Egypt	2.4	8.7	14.9	0.0	0.0	0.0	2.4	2.7	2.7	4.9	11.5	17.6
South Africa	17.8	28.6	38.0	0.0	1.8	1.8	0.5	0.6	0.7	18.4	31.0	40.5
Other	10.3	20.1	26.9	0.0	0.0	0.0	10.9	15.2	17.2	21.2	35.4	44.2
Asia and Oceania	218.9	365.5	722.7	18.5	43.9	70.3	74.4	109.3	178.3	312.6	520.3	978.8
Australia	17.6	27.8	37.9	0.0	0.0	0.0	6.2	7.3	6.2	23.8	35.1	45.3
China	45.6	92.1	253.1	0.0	0.0	2.2	20.3	34.6	83.0	65.9	126.6	338.3
India	20.7	51.9	90.2	0.9	1.6	2.9	11.8	18.3	25.8	33.3	71.8	120.3
Indonesia	3.9	9.6	20.7	0.0	0.0	0.0	1.0	3.0	4.4	4.9	12.7	25.6
Japan	94.3	119.1	168.7	15.7	29.4	45.9	19.6	20.4	22.1	129.8	169.1	237.9
South Korea	6.5	11.0	38.6	0.6	7.6	13.7	0.8	1.3	1.6	7.9	20.0	54.5
Taiwan	6.9	10.2	20.6	1.3	5.1	5.1	1.4	2.6	4.4	9.6	17.9	30.1
Thailand	2.6	6.0	20.2	0.0	0.0	0.0	1.3	2.3	2.9	3.8	8.3	23.2
Other	20.9	37.8	72.7	0.1	0.1	0.5	12.1	19.6	27.9	33.7	58.8	103.6
World	1,347.9	1,738.0	2,380.0	135.6	323.2	361.7	457.3	593.3	724.7	1,945.4	2,675.0	3,521.1

¹ Excludes pumped storage, except for the United States.
² Wood, waste, geothermal, solar, wind, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, and miscellaneous technologies are included in total.
R=Revised. P=Preliminary. — = Not applicable. (s)=Less than 0.05 million kilowatts.

Note: Totals may not equal sum of components due to independent rounding.
Web Page: For related information, see <http://www.eia.doe.gov/international>.
Sources: **United States:** Table 8.11a **All Other Data:** Energy Information Administration, "International Energy Annual 2002" (May 2004), Tables 6.4, 6.4H, 6.4N, and 6.4T.