

**Table 11.16 World Net Generation of Electricity by Type, 1980, 1990, and 2005**  
(Billion Kilowatthours)

Region and Country	Fossil Fuels			Nuclear Electric Power			Hydroelectric Power <sup>1</sup>			Total <sup>2</sup>		
	1980	1990	2005 <sup>P</sup>	1980	1990	2005 <sup>P</sup>	1980	1990	2005 <sup>P</sup>	1980	1990	2005 <sup>P</sup>
<b>North America</b>	<b>1,880.1</b>	<b>2,292.0</b>	<b>3,238.4</b>	<b>287.0</b>	<b>648.9</b>	<b>879.7</b>	<b>546.9</b>	<b>606.5</b>	<b>651.1</b>	<b>2,721.6</b>	<b>3,624.0</b>	<b>4,888.4</b>
Canada	79.8	101.9	152.2	35.9	69.2	87.4	251.0	293.9	359.9	367.9	468.7	609.6
Mexico	46.0	85.7	175.2	.0	2.8	10.3	16.7	23.2	27.5	63.6	116.6	222.4
United States	1,753.8	2,103.8	2,910.0	251.1	576.9	782.0	279.2	289.4	263.8	2,289.6	3,038.0	4,055.4
Other	.5	.7	1.0	.0	.0	.0	.0	.0	.0	.5	.7	1.0
<b>Central and South America</b>	<b>99.8</b>	<b>114.8</b>	<b>253.3</b>	<b>2.2</b>	<b>9.0</b>	<b>16.3</b>	<b>201.5</b>	<b>365.1</b>	<b>613.2</b>	<b>308.2</b>	<b>497.2</b>	<b>908.7</b>
Argentina	22.2	20.9	59.5	2.2	7.0	6.4	17.3	20.2	33.9	41.8	48.3	101.1
Brazil	7.5	8.1	34.1	.0	1.9	9.9	128.4	204.6	334.1	138.3	219.6	396.4
Paraguay	(s)	(s)	(s)	.0	.0	.0	.7	27.2	50.7	.8	27.2	50.7
Venezuela	17.6	21.0	24.9	.0	.0	.0	14.4	36.6	74.3	32.0	57.6	99.2
Other	52.4	64.8	134.9	.0	.0	.0	40.6	76.4	120.2	95.3	144.4	261.4
<b>Europe <sup>3</sup></b>	<b>R 1,453.3</b>	<b>R1,441.0</b>	<b>1,837.7</b>	<b>229.6</b>	<b>761.3</b>	<b>957.3</b>	<b>458.0</b>	<b>474.5</b>	<b>539.6</b>	<b>R2,154.7</b>	<b>R 2,696.4</b>	<b>3,494.7</b>
Belgium	38.3	25.0	33.0	11.9	40.6	45.2	.3	.3	.3	50.8	66.5	80.8
Czech Republic	--	--	50.8	--	--	23.5	--	--	2.4	--	--	77.4
Finland	22.0	22.8	22.0	6.6	18.3	22.1	10.1	10.8	13.6	38.7	51.8	67.1
France	118.0	44.3	57.2	63.4	298.4	429.0	68.3	52.8	51.2	250.8	397.6	543.6
Germany	390.3	358.9	362.3	55.6	145.1	154.9	18.8	17.2	19.4	469.9	526.0	579.4
Italy	125.5	167.5	231.1	2.1	.0	.0	45.0	31.3	33.3	176.4	202.1	278.5
Netherlands	58.0	63.2	81.8	3.9	3.3	3.8	.0	.1	.1	62.9	67.7	94.3
Norway	.1	.2	.5	.0	.0	.0	82.7	119.9	134.4	82.9	120.4	135.8
Poland	111.1	125.0	142.1	.0	.0	.0	2.3	1.4	2.2	113.8	126.7	146.2
Romania	51.4	49.7	31.6	.0	.0	5.3	12.5	10.9	20.0	63.9	60.6	56.9
Spain	74.5	66.5	173.1	5.2	51.6	54.7	29.2	25.2	19.4	109.2	143.9	270.3
Sweden	10.1	3.2	3.7	25.3	64.8	68.6	58.1	71.8	72.1	94.3	141.5	153.2
Switzerland	.9	.6	1.0	12.9	22.4	22.2	32.5	29.5	30.9	46.4	53.0	56.1
Turkey	12.0	32.3	114.8	.0	.0	.0	11.2	22.9	39.2	23.3	55.2	154.2
United Kingdom	228.9	230.0	277.5	32.3	62.5	75.2	3.9	5.1	4.9	265.1	299.0	372.6
Other	R 212.1	R 251.6	255.3	10.3	54.4	52.9	83.2	75.4	96.3	R 306.3	R 384.3	428.2
<b>Eurasia <sup>4</sup></b>	<b>1,037.1</b>	<b>1,204.1</b>	<b>843.6</b>	<b>72.9</b>	<b>201.3</b>	<b>235.8</b>	<b>184.0</b>	<b>230.7</b>	<b>244.7</b>	<b>1,294.0</b>	<b>1,636.1</b>	<b>1,327.3</b>
Kazakhstan	--	--	56.5	--	--	.0	--	--	7.8	--	--	64.2
Russia	--	--	588.4	--	--	140.2	--	--	172.9	--	--	904.4
Ukraine	--	--	79.7	--	--	83.3	--	--	12.4	--	--	175.4
Other	1,037.1	1,204.1	119.1	72.9	201.3	12.3	184.0	230.7	51.7	1,294.0	1,636.1	183.3
<b>Middle East</b>	<b>R 81.8</b>	<b>R 215.5</b>	<b>581.7</b>	<b>.0</b>	<b>.0</b>	<b>.0</b>	<b>9.6</b>	<b>9.6</b>	<b>21.0</b>	<b>R 91.4</b>	<b>R 225.1</b>	<b>602.7</b>
Iran	15.7	49.8	154.4	.0	.0	.0	5.6	6.0	15.9	21.3	55.9	170.4
Saudi Arabia	20.5	64.9	165.6	.0	.0	.0	.0	.0	.0	20.5	64.9	165.6
Other	R 45.7	R 100.7	261.7	.0	.0	.0	4.1	3.6	5.0	R 49.7	R 104.3	266.7
<b>Africa</b>	<b>128.8</b>	<b>243.6</b>	<b>430.3</b>	<b>.0</b>	<b>8.4</b>	<b>12.2</b>	<b>60.1</b>	<b>54.9</b>	<b>88.7</b>	<b>188.9</b>	<b>307.3</b>	<b>533.2</b>
Egypt	8.6	31.5	89.8	.0	.0	.0	9.7	9.9	12.1	18.3	41.4	102.5
South Africa	92.1	146.6	214.9	.0	8.4	12.2	1.0	1.0	.9	93.1	156.0	228.3
Other	28.2	65.5	125.7	.0	.0	.0	49.4	44.0	75.6	77.6	109.9	202.4
<b>Asia and Oceania <sup>3</sup></b>	<b>907.7</b>	<b>1,626.8</b>	<b>4,270.2</b>	<b>92.7</b>	<b>279.9</b>	<b>524.3</b>	<b>262.7</b>	<b>404.1</b>	<b>735.3</b>	<b>1,268.0</b>	<b>2,333.0</b>	<b>5,589.1</b>
Australia	74.5	131.8	218.4	.0	.0	.0	12.8	14.0	15.5	87.7	146.4	236.7
China	227.9	465.2	1,922.1	.0	.0	50.3	57.6	125.1	397.0	285.5	590.3	2,371.8
India	69.7	198.9	539.2	3.0	5.6	15.7	46.5	70.9	99.0	119.3	275.5	661.6
Indonesia	10.6	35.3	103.4	.0	.0	.0	2.2	6.7	10.7	12.8	43.0	120.3
Japan	381.6	524.0	645.5	78.6	192.2	278.4	87.8	88.4	77.4	549.1	817.3	1,024.6
South Korea	29.8	45.5	222.7	3.3	50.2	139.4	1.5	4.6	3.6	34.6	100.4	366.2
Taiwan	31.3	43.6	164.5	7.8	31.6	38.0	2.9	8.2	7.8	42.0	83.3	210.3
Thailand	12.3	38.7	115.7	.0	.0	.0	1.3	4.9	5.7	13.6	43.7	124.6
Other	70.1	143.8	338.6	(s)	.4	2.4	50.0	81.2	118.5	123.5	233.2	472.9
<b>World</b>	<b>5,588.5</b>	<b>7,137.9</b>	<b>11,455.3</b>	<b>684.4</b>	<b>1,908.8</b>	<b>2,625.6</b>	<b>1,722.9</b>	<b>2,145.4</b>	<b>2,893.5</b>	<b>8,026.9</b>	<b>R11,319.2</b>	<b>17,344.0</b>

<sup>1</sup> Excludes pumped storage, except for the United States.

<sup>2</sup> Wood, waste, geothermal, solar, wind, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, and miscellaneous technologies are included in total.

<sup>3</sup> Excludes countries that were part of the former U.S.S.R. See "U.S.S.R." in Glossary.

<sup>4</sup> Includes only countries that were part of the former U.S.S.R. See "U.S.S.R." in Glossary.

P=Preliminary. -- = Not applicable. (s)=Less than 0.05 billion kilowatthours.

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 8.2a. **All Other Data:** Energy Information Administration, International Energy Database, April 24, 2008.