

**Table 7.2 – Net Generation at Electricity-Only Plants**

(Billion Kilowatthours)

	<u>1980</u>	<u>1990</u>	<u>2000</u>	<u>2001</u>	<u>2002</u>	<u>2003</u>	<u>2004</u>	<u>2010</u>	<u>2015</u>	<u>2020</u>	<u>2025</u>	<u>2030</u>
Coal <sup>1</sup>	1,162	1,560	1,911	1,852	1,881	1,916	1,916	2,164	2,209	2,405	2,728	3,178
Petroleum <sup>2</sup>	246	118	98	113	83	109	108	90	89	90	93	99
Natural Gas <sup>3</sup>	346	265	399	427	457	421	486	533	743	814	775	691
Other Gases <sup>4</sup>	NA	0	0	0	0	0	0	NA	NA	NA	NA	NA
Total Fossil Energy	1,754	1,942	2,408	2,392	2,422	2,446	2,510	2,787	3,041	3,310	3,596	3,968
Nuclear	251	577	754	769	780	764	789	809	829	871	871	871
Hydroelectric Pumped Storage <sup>5</sup>	NA	-4	-6	-9	-9	-9	-8	-9	-9	-9	-9	-9
Conventional Hydroelectric <sup>6</sup>	276	290	271	214	260	272	264	297	297	298	299	299
Geothermal	5	15	14	14	14	14	14	18	23	34	47	53
Wood <sup>7</sup>	0.3	6	7	7	7	7	7	45	45	49	51	58
Waste <sup>8</sup>	0.2	10	18	17	17	18	18	25	26	27	28	28
Solar Thermal and Photovoltaic	NA	0.4	0.5	0.5	0.6	0.5	0.6	1	1	1	2	2
Wind	NA	3	6	7	10	11	14	51	56	60	63	65
Total Renewable Energy	282	324	316	259	311	323	319	436	448	469	489	504
Other <sup>10</sup>	0	0	0	0	1	1	3	NA	NA	NA	NA	NA
Total Electricity Generation	2,286	2,840	3,473	3,411	3,505	3,525	3,611	4,020	4,306	4,638	4,945	5,332

**Sources:** EIA, *Annual Energy Review 2004*, DOE/EIA-0384(2004) (Washington, D.C., August 2005), Table 8.2c; and EIA, *Annual Energy Outlook 2006*, DOE/EIA-0383(2006) (Washington, D.C., February 2006), Tables A8 and A16.

**Notes:**

Data are for electricity-only plants in the electric-power sector whose primary business is to sell electricity to the public. Through 1988, data are for generation at electric utilities only. Beginning in 1989, data also include generation at independent power producers.

<sup>1</sup> Anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and synthetic coal.

<sup>2</sup> Distillate fuel oil, residual fuel oil, petroleum coke, jet fuel, kerosene, other petroleum, and waste oil.

<sup>3</sup> Natural gas, including a small amount of supplemental gaseous fuels. Forecast data include electricity generation from fuel cells.

<sup>4</sup> Blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels (including refinery and still gas).

<sup>5</sup> Pumped-storage facility production, minus energy used for pumping. Data for 1980 included in conventional hydroelectric power.

<sup>6</sup> Hydroelectric data through 1988 are for generation at electric utilities and industrial plants only; beginning in 1989, data also include generation at independent power producers and commercial plants.

<sup>7</sup> Wood, black liquor, and other wood waste.

<sup>8</sup> Municipal solid waste, landfill gas, sludge waste, tires, agricultural byproducts, and other biomass.

<sup>9</sup> Includes nonutility and end-use sector generation for own use.

<sup>10</sup> Batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, and miscellaneous technologies.

NA = not available