

**Table 6.1 – Electric Net Summer Capability (All Sectors)**

(Gigawatts)

	<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>	NA	307.4	315.1	314.2	315.4	313.0	313.3	322.8	325.5	355.4	409.3	481.0
Petroleum/Natural Gas <sup>2</sup>	NA	220.4	283.8	320.7	374.2	418.2	436.9	466.1	437.9	468.6	491.8	509.8
Total Fossil Energy	444.1	527.8	598.9	634.9	689.5	731.2	750.2	788.9	763.4	824.0	901.1	990.8
Nuclear	51.8	99.6	97.9	98.2	98.7	99.2	99.6	100.9	104.0	108.8	108.8	108.8
Hydroelectric Pumped Storage <sup>3</sup>	NA	19.5	19.5	19.1	20.4	20.5	20.5	20.8	20.8	20.8	20.8	20.8
Conventional Hydroelectric	81.7	73.9	79.4	79.5	79.4	78.7	78.7	78.3	78.4	78.5	78.5	78.5
Geothermal	0.9	2.7	2.8	2.2	2.3	2.1	2.1	2.6	3.2	4.6	6.0	6.6
Wood <sup>4</sup>	0.1	5.5	6.1	5.9	5.8	5.9	5.9	7.2	7.6	8.5	10.1	11.9
Waste <sup>5</sup>	NA	2.5	3.9	3.8	3.8	3.8	3.8	3.8	3.9	4.0	4.1	4.1
Solar Thermal and Photovoltaic	NA	0.3	0.4	0.4	0.4	0.4	0.4	1.2	1.3	1.5	1.7	2.6
Wind	NA	1.8	2.4	3.9	4.4	6.0	6.2	16.3	17.7	18.8	19.8	20.1
Total Renewable Energy	82.7	86.8	94.9	95.7	96.1	96.9	97.1	109.3	112.1	115.9	120.2	123.9
Other <sup>6</sup>	NA	0.5	0.5	0.4	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7
Total Electric Capability	578.6	734.1	811.7	848.3	905.3	948.4	968.1	1020.6	1001.1	1070.2	1151.6	1245.0

**Sources:** EIA, *Annual Energy Outlook 2006* DOE/EIA-0383 (2006) (Washington, D.C., February 2006), Tables A9, A16; EIA, *Annual Energy Review 2004*, DOE/EIA-0384(2004) (Washington, D.C., August 2005), Table 8.11a.

**Notes:**

Data include electricity-only and combined-heat-and-power (CHP) plants whose primary business is to sell electricity – or electricity and heat – to the public. Through 1988, data are for net summer capacity at electric utilities only. Beginning in 1989, data also include net summer capacity at independent power producers and the commercial and industrial (end-use) sectors.

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

<sup>2</sup> Petroleum, natural gas, distillate fuel oil, residual fuel oil, petroleum coke, jet fuel, kerosene, other petroleum, waste oil, supplemental gaseous fuels, blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels. Includes natural gas-fired distributed generation.

<sup>3</sup> Pumped storage included in Conventional Hydro prior to 1989.

<sup>4</sup> Wood, black liquor, and other wood waste. Includes projections for energy crops after 2010. Includes other biomass in projections.

<sup>5</sup> Municipal solid waste, landfill gas, sludge waste, tires, agricultural byproducts, and other biomass. Waste included in Wood prior to 1985.

<sup>6</sup> Includes batteries, chemicals, hydrogen, pitch, sulfur, purchased steam, fuel cells, and miscellaneous technologies.

NA = not available