

**Table 6.3 – Combined-Heat-and-Power Plant Net Summer Capability**

(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>2</sup>	NA	7.5	10.0	9.1	9.5	10.0	9.9	9.1	10.5	14.5	23.6	27.9
Petroleum/Natural Gas <sup>3</sup>	NA	21.7	39.9	41.3	49.1	55.3	58.0	56.7	58.7	61.4	63.7	65.9
Total Fossil Energy	NA	29.2	49.9	50.4	58.6	65.3	67.9	65.8	69.3	75.9	87.3	93.8
Nuclear	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hydroelectric Pumped Storage	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Conventional Hydroelectric	NA	0.6	1.1	1.1	1.1	0.8	0.8	0.7	0.7	0.7	0.7	0.7
Geothermal	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wood <sup>4</sup>	NA	4.6	4.9	4.6	4.7	4.7	4.8	5.0	5.5	6.0	6.6	7.3
Waste <sup>5</sup>	NA	0.4	0.6	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3
Solar Thermal and Photovoltaic	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.7	0.8	0.9	1.7
Wind	NA	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Renewable Energy	NA	5.3	6.1	5.8	5.8	5.6	5.6	7.0	7.5	8.1	8.8	10.3
Other	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 <sup>6</sup>	NA	35.5	57.2	57.4	65.6	72.1	75.0	73.4	77.5	84.7	96.8	104.8

**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 8.11c.

**Notes:**

Includes combined-heat-and-power (CHP) plants whose primary business is to sell electricity and heat to the public. Includes electric utility CHP plants. Also includes commercial and industrial CHP and a small number of commercial electricity-only plants.

<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