

Table 6.2 – Electricity-Only 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 ²	NA	299.9	305.2	305.2	305.8	303.0	303.4	313.7	315.0	340.9	385.7	453.1
Petroleum/Natural Gas ³	NA	198.7	243.9	279.4	325.1	362.9	378.9	409.4	379.1	407.3	428.1	443.9
Total Fossil Energy	NA	498.6	549.0	584.5	630.9	665.9	682.2	723.1	694.1	748.2	813.8	897.0
Nuclear	NA	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 ⁴	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	NA	73.3	78.2	78.4	78.3	77.9	77.9	77.7	77.8	77.9	77.9	77.9
Geothermal	NA	2.7	2.8	2.2	2.3	2.1	2.1	2.6	3.2	4.6	6.0	6.6
Wood ⁵	NA	1.0	1.5	1.5	1.4	1.4	1.4	2.2	2.2	2.5	3.5	4.6
Waste ⁶	NA	1.9	2.8	3.0	3.0	2.8	2.9	3.5	3.7	3.8	3.8	3.9
Solar Thermal and Photovoltaic	NA	0.3	0.4	0.4	0.4	0.4	0.4	0.5	0.6	0.7	0.8	0.9
Wind	NA	1.8	2.4	3.6	4.4	6.0	6.0	16.3	17.7	18.8	19.8	20.1
Total Renewable Energy	NA	80.9	88.1	89.1	89.7	90.6	90.7	102.7	105.1	108.2	111.8	114.1
Other	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Electric Capability ⁷	NA	698.6	754.5	790.8	839.2	876.3	893.1	947.5	924.0	986.0	1055.2	1140.7

Sources: EIA, *Annual Energy Outlook 2006* DOE/EIA-0383 (2006) (Washington, D.C., February 2006), Tables A9, A16; EIA, *Annual Energy Review 2003*, DOE/EIA-0384(2003) (Washington, D.C., September 2004), Table 8.11c.

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 net summer capacity at electric utilities only. Beginning in 1989, data also include net summer capacity at independent power producers.

¹ Anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and synthetic coal.

² 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.

³ Pumped storage included in Conventional Hydro prior to 1989.

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

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

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

NA = not available