Table 12.9 – Approximate Heat Rates for Electricity

(Btu per Kilowatthour)

	1980	1990	2000	2001	2002	2003
Fossil-Fueled Steam-Electric Plants[1]	10,388	10,402	10,201	10,146	10,119	10,107
Nuclear Steam-Electric Plants[2]	10,908	10,582	10,429	10,448	10,439	10,439
Geothermal Energy Plants[3]	21,639	21,096	21,017	21,017	21,017	21,017

Source: EIA, *Annual Energy Review 2003*, DOE/EIA-0384 (2003) (Washington, D.C., September 2004), Table A6

Notes:

[1] Through 2000, used as the thermal conversion factor for wood and waste electricity net generation at electric utilities. For all years, used as the thermal conversion factor for hydroelectric, solar, and wind electricity net generation. Through 2000, heat rates are for fossil-fueled steam-electric plants at electric utilities. For 2001 and 2002, heat rates are for fossil-fueled steam-electric plants at electric utilities and independent power producers. For 2003, the heat rate is for all fossil-fueled plants at electric utilities and independent power producers

[2] Used as the thermal conversion factor for nuclear electricity net generation.

[3] Used as the thermal conversion factor for geothermal electricity net generation