

Table 7.3 – Electricity Generation at Combined-Heat-and-Power 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 ¹	NA	34	56	52	52	58	61	53	68	99	168	203
Petroleum ²	NA	9	13	12	11	11	10	15	15	17	15	16
Natural Gas ³	NA	108	202	212	234	229	213	241	275	288	294	299
Other Gases ⁴	NA	10	14	9	11	15	15	4	4	5	5	5
Total Fossil Energy	NA	161	284	285	309	313	299	313	363	408	482	522
Nuclear	NA	0	0	0	0	0	0	0	0	0	0	0
Hydroelectric Pumped Storage ⁵	NA	0	0	0	0	0	0	0	0	0	0	0
Conventional Hydroelectric ⁶	NA	3	4	3	4	4	5	4	4	4	4	4
Geothermal	NA	0	0	0	0	0	0	0	0	0	0	0
Wood ⁷	NA	27	30	29	31	30	30	32	35	38	51	45
Waste ⁸	NA	3	6	5	5	6	5	2	2	2	2	2
Solar Thermal and Photovoltaic	NA	0	0	0	0	0	0	1	1	2	2	4
Wind	NA	0	0	0	0	0	0	0	0	0	0	0
Total Renewable Energy	NA	33	40	36	41	40	40	40	43	46	50	55
Other ⁹	NA	4	5	5	4	5	3	12	12	12	12	12
Total Electricity Generation	NA	198	329	326	354	358	342	364	417	466	543	589

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

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 and industrial (end-use sectors) electricity-only plants.

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

² Distillate fuel oil, residual fuel oil, petroleum coke, jet fuel, kerosene, other petroleum, and waste oil.

³ Natural gas, plus a small amount of supplemental gaseous fuels that cannot be identified separately. Forecast data include electricity generation from fuel cells.

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

⁵ Pumped-storage facility production, minus energy used for pumping.

⁶ Includes CHP plants that use multiple sources of energy, including hydropower.

⁷ Wood, black liquor, and other wood waste.

⁸ Municipal solid waste, landfill gas, sludge waste, tires, agricultural byproducts, and other biomass.

⁹ Batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, and miscellaneous technologies.

NA = not available