

Table 7.1 – Electricity Net Generation

(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	1,162	1,594	1,966	1,904	1,933	1,974	1,976	2,218	2,277	2,505	2,896	3,381
Petroleum ²	246	127	111	125	95	119	118	105	104	107	108	115
Natural Gas ³	346	373	601	639	691	650	700	774	1,018	1,102	1,069	990
Other Gases ⁴	NA	10	14	9	11	16	15	12	12	12	12	12
Total Fossil Energy	1,754	2,104	2,692	2,677	2,730	2,759	2,809	3,108	3,411	3,725	4,085	4,497
Nuclear	251	577	754	769	780	764	789	809	829	871	871	871
Hydroelectric Pumped Storage ⁵	NA	-4	-6	-9	-9	-9	-8	-9	-9	-9	-9	-9
Conventional Hydroelectric ⁶	279	293	276	217	264	276	270	301	302	303	303	303
Geothermal	5	15	14	14	14	14	14	18	23	34	47	53
Wood ⁷	0	33	38	35	39	38	37	76	79	86	103	103
Waste ⁸	0	13	23	22	23	24	23	27	28	29	30	30
Solar Thermal and Photovoltaic	NA	0	0	1	1	1	1	2	3	3	4	6
Wind	NA	3	6	7	10	11	14	51	56	60	63	65
Total Renewable Energy	285	357	356	295	351	363	359	476	491	515	549	559
Generation for Own Use ⁹	NA	NA	NA	NA	NA	NA	NA	-177	-192	-214	-252	-278
Other ¹⁰	NA	4	5	5	6	6	6	12	12	12	12	12
Total Electricity Generation	2,290	3,038	3,802	3,737	3,858	3,883	3,953	4,388	4,727	5,108	5,491	5,926

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

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 generation at electric utilities only. Beginning in 1989, data also include generation at independent power producers and the commercial and industrial (end-use) sectors.

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, including a small amount of supplemental gaseous fuels. 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. Data for 1980 included in conventional hydroelectric power.

⁶ Hydroelectric data through 1988 are for generation at electric utilities and industrial plants only; beginning in 1989, data also include generation at independent power producers and commercial plants.

⁷ Wood, black liquor, and other wood waste.

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

⁹ Includes nonutility and end-use sector generation for own use.

¹⁰ Batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, and miscellaneous technologies.

NA = not available