

Table 5.3 – Electricity Overview

(Billion Kilowatthours, unless otherwise noted)

	<u>1980</u>	<u>1990</u>	<u>2000</u>	<u>2001</u>	<u>2002</u>	<u>2003</u>	<u>2004</u> ⁷	<u>2010</u>	<u>2015</u>	<u>2020</u>	<u>2025</u>	<u>2030</u>
Electric-Power Sector												
Generation ¹	2,286	2,901	3,638	3,580	3,698	3,721	3,794	4,196	4,501	4,827	5,121	5,497
End-Use Sector Generation	3	137	164	157	160	162	160	192	226	280	370	429
Total 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
Capability (gigawatts)												
Electric-Power Sector ²	579	710	782	819	876	919	938	988	965	1,027	1,098	1,186
End-Use Sector ³	NA	24	30	29	29	30	30	32	37	44	56	64
Total Capability	579	734	812	848	905	949	968	1,021	1,002	1,072	1,154	1,250
Imports from Canada/Mexico	25	18	49	39	36	30	34	42	41	29	28	27
Exports to Canada/Mexico	4	16	15	16	14	24	22	21	18	15	13	13
Loss and Unaccounted for ⁴	216	203	243	226	253	233	248	NA	NA	NA	NA	NA
Retail Sales ⁵	2,094	2,713	3,421	3,370	3,463	3,488	3,551	3,978	4,300	4,629	4,956	5,341
Direct Use ⁶	NA	125	171	163	166	168	166	177	192	214	252	278
Total Use	2,094	2,838	3,592	3,533	3,629	3,656	3,717	4,155	4,491	4,844	5,208	5,619

Sources: EIA, *Annual Energy Outlook 2006*, DOE/EIA-0383(2006) (Washington, D.C., February 2005), Tables A8, A9, and A10; EIA, *Annual Energy Review 2004*, DOE/EIA-0384(2004) (Washington, D.C., August 2005), Tables 8.1, 8.11a, 8.11b, and 8.11d.

Notes:

¹ Electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity – or electricity and heat – to the public. Through 1988, data are for electric utilities only; beginning in 1989, data are for electric utilities and independent power producers.

² 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. All data after 1989 include electric-sector combined-heat-and-power (CHP) plants.

³ Commercial and industrial combined-heat-and-power (CHP) and electricity-only plants; and small on-site generating systems in the residential, commercial, and industrial sectors used primarily for own-use generation, but which may also sell some power to the grid. Data begins in 1989.

⁴ Electricity losses that occur between the point of generation and delivery to the customer, and data collection frame differences and nonsampling error.

⁵ Electricity retail sales to ultimate customers reported by electric utilities and other energy-service providers.

⁶ Commercial and industrial facility use of on-site net electricity generation; and electricity sales among adjacent or colocated facilities for which revenue information is not available.

NA = not available