

Table 8.1 Electricity Overview, Selected Years, 1949-2006
(Billion Kilowatthours)

Year	Net Generation				Trade						T & D Losses ⁵ and Unaccounted for ⁶	End Use		
	Electric Power Sector ²	Commercial Sector ³	Industrial Sector ⁴	Total	Imports ¹		Exports ¹		Net Imports ¹	Retail Sales ⁷		Direct Use ⁸	Total	
					From Canada	Total	To Canada	Total						
1949	291	NA	5	296	NA	2	NA	(s)	2	43	255	NA	255	
1950	329	NA	5	334	NA	2	NA	(s)	2	44	291	NA	291	
1955	547	NA	3	550	NA	5	NA	(s)	4	58	497	NA	497	
1960	756	NA	4	759	NA	5	NA	1	5	76	688	NA	688	
1965	1,055	NA	3	1,058	NA	4	NA	4	(s)	104	954	NA	954	
1970	1,532	NA	3	1,535	NA	6	NA	4	2	145	1,392	NA	1,392	
1971	1,613	NA	3	1,616	NA	7	NA	4	4	150	1,470	NA	1,470	
1972	1,750	NA	3	1,753	NA	10	NA	3	8	166	1,595	NA	1,595	
1973	1,861	NA	3	1,864	NA	17	NA	3	14	165	1,713	NA	1,713	
1974	1,867	NA	3	1,870	NA	15	NA	3	13	177	1,706	NA	1,706	
1975	1,918	NA	3	1,921	NA	11	NA	5	6	180	1,747	NA	1,747	
1976	2,038	NA	3	2,041	NA	11	NA	2	9	194	1,855	NA	1,855	
1977	2,124	NA	3	2,127	NA	20	NA	3	17	197	1,948	NA	1,948	
1978	2,206	NA	3	2,209	NA	21	NA	1	20	211	2,018	NA	2,018	
1979	2,247	NA	3	2,251	NA	23	NA	2	20	200	2,071	NA	2,071	
1980	2,286	NA	3	2,290	NA	25	NA	4	21	216	2,094	NA	2,094	
1981	2,295	NA	3	2,298	NA	36	NA	3	33	184	2,147	NA	2,147	
1982	2,241	NA	3	2,244	NA	33	NA	4	29	187	2,086	NA	2,086	
1983	2,310	NA	3	2,313	NA	39	NA	3	35	198	2,151	NA	2,151	
1984	2,416	NA	3	2,419	NA	42	NA	3	40	173	2,286	NA	2,286	
1985	2,470	NA	3	2,473	NA	46	NA	5	41	190	2,324	NA	2,324	
1986	2,487	NA	3	2,490	NA	41	NA	5	36	158	2,369	NA	2,369	
1987	2,572	NA	3	2,575	NA	52	NA	6	46	164	2,457	NA	2,457	
1988	2,704	NA	3	2,707	NA	39	NA	7	32	161	2,578	NA	2,578	
1989	2,848	4	415	2,967	NA	26	NA	15	11	223	2,647	109	2,756	
1990	2,901	6	131	3,038	16	18	16	16	2	203	2,713	125	2,837	
1991	2,936	6	133	3,074	20	22	2	2	20	207	2,762	124	2,886	
1992	2,934	6	143	3,084	26	28	2	3	25	212	2,763	134	2,897	
1993	3,044	7	146	3,197	29	31	3	4	28	224	2,861	139	3,001	
1994	3,089	8	151	3,248	45	47	1	2	45	211	2,935	146	3,081	
1995	3,194	8	151	3,353	41	43	2	4	39	229	3,013	151	3,164	
1996	3,284	9	151	3,444	42	43	2	3	40	231	3,101	153	3,254	
1997	3,329	9	154	3,492	43	43	7	9	34	224	3,146	156	3,302	
1998	3,457	9	154	3,620	40	40	12	14	26	221	3,264	161	3,425	
1999	3,530	9	156	3,695	43	43	13	14	29	240	3,312	172	3,484	
2000	3,638	8	157	3,802	49	49	13	15	34	244	3,421	171	3,592	
2001	3,580	7	149	3,737	38	39	16	16	22	R202	R3,394	163	R3,557	
2002	3,698	7	153	3,858	37	37	15	16	21	R248	R3,465	166	3,632	
2003	3,721	7	155	3,883	29	30	24	24	6	R228	R3,494	168	R3,662	
2004	3,808	8	154	3,971	33	34	22	23	11	R266	R3,547	168	R3,716	
2005	R3,902	8	R145	R4,055	43	45	19	20	25	R264	R3,661	R155	R3,816	
2006P	3,900	8	145	4,053	41	42	24	25	18	251	3,665	E155	3,820	

¹ Electricity transmitted across U.S. borders. Net imports equal imports minus exports.

² Electricity-only and combined-heat-and-power (CHP) plants within the NAICS (North American Industry Classification System) 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.

³ Commercial combined-heat-and-power (CHP) and commercial electricity-only plants.

⁴ Industrial combined-heat-and-power (CHP) and industrial electricity-only plants. Through 1988, data are for industrial hydroelectric power only.

⁵ Transmission and distribution losses (electricity losses that occur between the point of generation and delivery to the customer). See Note, "Electrical System Energy Losses," at end of Section 2.

⁶ Data collection frame differences and nonsampling error.

⁷ Electricity retail sales to ultimate customers by electric utilities and, beginning in 1996, other energy service providers.

⁸ Use of electricity that is 1) self-generated, 2) produced by either the same entity that consumes the power or an affiliate, and 3) used in direct support of a service or industrial process located within the same facility or group of facilities that house the generating equipment. Direct use is exclusive of station use.

R=Revised. P=Preliminary. E=Estimate. NA=Not available. (s)=Less than 0.5 billion kilowatthours.

Notes: • See Note 1, "Coverage of Electricity Statistics," and Note 2, "Classification of Power Plants Into Energy-Use Sectors," at end of section. • Totals may not equal sum of components due to independent rounding.

Web Pages: • For all data beginning in 1949, see <http://www.eia.doe.gov/emeu/aer/elect.html>.
• For related information, see <http://www.eia.doe.gov/fueelectric.html>.

Sources: **Net Generation, Electric Power Sector:** Table 8.2b. **Net Generation, Commercial Sector:** Table 8.2d. **Net Generation, Industrial Sector:** • 1949-September 1977—Federal Power Commission (FPC), Form FPC-4, "Monthly Power Plant Report," for plants with generating capacity exceeding 10 megawatts, and FPC, Form FPC-12C, "Industrial Electric Generating Capacity," for all other plants. • October 1977-1978—Federal Energy Regulatory Commission (FERC), Form FPC-4, "Monthly Power Plant Report," for plants with generating capacity exceeding 10 megawatts, and FERC, Form FPC-12C, "Industrial Electric Generating Capacity," for all other plants. • 1979—FERC, Form FPC-4, "Monthly Power Plant Report," for plants with generating capacity exceeding 10 megawatts, and EIA estimates for all other plants. • 1980-1988—Estimated by EIA as the average generation over the 6-year period of 1974-1979. • 1989 forward—Table 8.2d. **Net Generation, Total:** Table 8.2a. **Imports and Exports:** • 1949-September 1977—Unpublished FPC data. • October 1977-1980—Unpublished Economic Regulatory Administration (ERA) data. • 1981—Department of Energy (DOE), Office of Energy Emergency Operations, "Report on Electric Energy Exchanges with Canada and Mexico for Calendar Year 1981," April 1982 (revised June 1982). • 1982 and 1983—DOE, ERA, *Electricity Exchanges Across International Borders*. • 1984-1986—DOE, ERA, *Electricity Transactions Across International Borders*. • 1987 and 1988—DOE, ERA, Form ERA-781R, "Annual Report of International Electrical Export/Import Data." • 1989—DOE, Fossil Energy, Form FE-781R, "Annual Report of International Electrical Export/Import Data." • 1990 forward—National Energy Board of Canada, and DOE, Fossil Energy, Office of Fuels Programs, Form FE-781R, "Export/Import Data." For 2001 forward, data from the California Independent System Operator are used in combination with the Form FE-781R values to estimate electricity trade with Mexico. **T & D Losses and Unaccounted for:** Calculated as the sum of total net generation and imports minus total end use and exports. **End Use:** Table 8.9.