

Table 8.1 Electricity Overview, Selected Years, 1949-2003
(Billion Kilowatthours)

Year	Net Generation				Imports ¹		Exports ¹		T & D Losses ⁵ and Unaccounted for ⁶	End Use		
	Electric Power Sector ²	Commercial Sector ³	Industrial Sector ⁴	Total	From Canada	Total	To Canada	Total		Retail Sales ⁷	Direct Use ⁸	Total
1949	291	NA	5	296	NA	2	NA	(s)	43	255	NA	255
1950	329	NA	5	334	NA	2	NA	(s)	44	291	NA	291
1955	547	NA	3	550	NA	5	NA	(s)	58	497	NA	497
1960	756	NA	4	759	NA	5	NA	1	76	688	NA	688
1965	1,055	NA	3	1,058	NA	4	NA	4	104	954	NA	954
1970	1,532	NA	3	1,535	NA	6	NA	4	145	1,392	NA	1,392
1971	1,613	NA	3	1,616	NA	7	NA	4	150	1,470	NA	1,470
1972	1,750	NA	3	1,753	NA	10	NA	3	166	1,595	NA	1,595
1973	1,861	NA	3	1,864	NA	17	NA	3	165	1,713	NA	1,713
1974	1,867	NA	3	1,870	NA	15	NA	3	177	1,706	NA	1,706
1975	1,918	NA	3	1,921	NA	11	NA	5	180	1,747	NA	1,747
1976	2,038	NA	3	2,041	NA	11	NA	2	194	1,855	NA	1,855
1977	2,124	NA	3	2,127	NA	20	NA	3	197	1,948	NA	1,948
1978	2,206	NA	3	2,209	NA	21	NA	1	211	2,018	NA	2,018
1979	2,247	NA	3	2,251	NA	23	NA	2	200	2,071	NA	2,071
1980	2,286	NA	3	2,290	NA	25	NA	4	216	2,094	NA	2,094
1981	2,295	NA	3	2,298	NA	36	NA	3	184	2,147	NA	2,147
1982	2,241	NA	3	2,244	NA	33	NA	4	187	2,086	NA	2,086
1983	2,310	NA	3	2,313	NA	39	NA	3	198	2,151	NA	2,151
1984	2,416	NA	3	2,419	NA	42	NA	3	173	2,286	NA	2,286
1985	2,470	NA	3	2,473	NA	46	NA	5	190	2,324	NA	2,324
1986	2,487	NA	3	2,490	NA	41	NA	5	158	2,369	NA	2,369
1987	2,572	NA	3	2,575	NA	52	NA	6	164	2,457	NA	2,457
1988	2,704	NA	3	2,707	NA	39	NA	7	161	2,578	NA	2,578
1989	² 2,848	4	⁴ 115	2,967	NA	26	NA	15	223	2,647	108	2,755
1990	2,901	6	131	3,038	16	18	16	16	214	2,713	114	2,827
1991	2,936	6	133	3,074	20	22	2	2	213	2,762	118	2,880
1992	2,934	6	143	3,084	26	28	2	3	224	2,763	122	2,886
1993	3,044	7	146	3,197	29	31	3	4	236	2,861	128	2,989
1994	3,089	8	151	3,248	45	47	1	2	224	2,935	134	3,069
1995	3,194	8	151	3,353	41	43	2	4	235	3,013	144	3,157
1996	3,284	9	151	3,444	42	43	2	3	237	3,101	146	3,247
1997	3,329	9	154	3,492	43	43	7	9	232	3,146	148	3,294
1998	3,457	9	154	3,620	40	40	12	14	221	3,264	161	3,425
1999	3,530	9	156	3,695	43	43	13	14	229	3,312	183	3,495
2000	3,638	8	157	3,802	49	49	13	15	231	3,421	183	3,605
2001	3,580	7	149	3,737	38	39	16	16	^R 215	3,370	^{RE} 174	^R 3,544
2002	^R 3,698	^R 7	^R 153	^R 3,858	36	36	13	^R 14	^R 241	^R 3,463	^{RE} 178	^R 3,641
2003	^P 3,691	^P 8	^P 150	^P 3,848	^P 29	^P 30	^P 24	^P 24	^P 179	^P 3,500	^E 175	^P 3,675

¹ Electricity transmitted across U.S. borders with Canada and Mexico.

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 other energy service providers.

⁸ Commercial and industrial facility use of onsite net electricity generation; and electricity sales among adjacent or co-located facilities for which revenue information is not available.

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 data not shown for 1951-1969, see <http://www.eia.doe.gov/emeu/aer/elect.html>.

• For related information, see <http://www.eia.doe.gov/fuelelectric.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, "Annual Report of International Electrical Export/Imports Data." For 2001-2003, data from the California Independent System Operator were used in combination with the Form FE-781R values to estimate electricity trade with Mexico. See Note 3, "Electricity Imports and Exports," at end of section. **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.