Table 2.2b Consumption for Electricity Generation: Electric Power Sector, 1949-2001

(Trillion Btu)

Year	Fossil Fuels					Nuclear Electric Power	Hydro-electric Pumped Storage [5]	Renewable Energy							Other [9]	Total
	Coal [1]	Petroleum [2]	Natural Gas [3]	Other Gases [4]	Total			Conventional Hydroelectric Power	Wood [6]	Waste [7]	Geothermal	Solar [8]	Wind	Total		
1949	1,995	415	569	NA	2,979	0	([10])	1,349	6	NA	NA	NA	NA	1,355	NA	4,334
1950	2,199	472	651	NA	3,322	0	([10])	1,346	5	NA	NA	NA	NA	1,351	NA	4,673
1951	2,507	400	791	NA	3,697	0	([10])	1,361	5	NA	NA	NA	NA	1,366	NA	5,063
1952	2,557	420	942	NA	3,920	0	([10])	1,404	6	NA	NA	NA	NA	1,411	NA	5,330
1953	2,777	514	1,070	NA	4,362	0	([10])	1,356	5	NA	NA	NA	NA	1,361	NA	5,724
1954	2,841	417	1,206	NA	4,464	0	([10])	1,304	3	NA	NA	NA	NA	1,307	NA	5,772
1955	3,458	471	1,194	NA	5,123	0	([10])	1,322	3	NA	NA	NA	NA	1,325	NA	6,448
1956	3,790	455	1,283	NA	5,527	0	([10])	1,398	2	NA	NA	NA	NA	1,400	NA	6,927
1957	3,855	498	1,383	NA	5,737	(s)	([10])	1,480	2	NA	NA	NA	NA	1,482	NA	7,219
1958	3,721	486	1,421	NA	5,628	2	([10])	1,555	2	NA	NA	NA	NA	1,557	NA	7,187
1959	4,029	552	1,686	NA	6,267	2	([10])	1,511	2	NA	NA	NA	NA	1,513	NA	7,782
1960	4,228	553	1,785	NA	6,565	6	([10])	1,569	2	NA	1	NA	NA	1,571	NA	8,143
1961	4,355	557	1,889	NA	6,801	20	([10])	1,621	1	NA	2	NA	NA	1,624	NA	8,445
1962	4,622	560	2,035	NA	7,217	26	([10])	1,780	1	NA	2	NA	NA	1,784	NA	9,027
1963	5,050	585	2,211	NA	7,846	38	([10])	1,737	1	NA	4	NA	NA	1,743	NA	9,627
1964	5,380	634	2,397	NA	8,411	40	([10])	1,853	2	NA	5	NA	NA	1,859	NA	10,309
1965	5,821	722	2,395	NA	8,938	43	([10])	2,026	3	NA	4	NA	NA	2,033	NA	11,015
1966	6,302	883	2,696	NA	9,881	64	([10])	2,028	3	NA	4	NA	NA	2,036	NA	11,981
1967	6,445	1,011	2,834	NA	10,290	88	([10])	2,311	3	NA	7	NA	NA	2,321	NA	12,699
1968	6,994	1,181	3,245	NA	11,421	142	([10])	2,313	4	NA	9	NA	NA	2,327	NA	13,889
1969	7,219	1,571	3,596	NA	12,386	154	([10])	2,614	3	NA	13	NA	NA	2,630	NA	15,170
1970	7,227	2,117	4,054	NA	13,399	239	([10])	2,600	1	2	11	NA	NA	2,615	NA	16,252
1971	7,299	2,495	4,099	NA	13,893	413	([10])	2,790	1	2	12	NA	NA	2,806	NA	17,112
1972	7,811	3,097	4,084	NA	14,992	584	([10])	2,829	1	2	31	NA	NA	2,864	NA	18,440
1973	8,658	3,515	3,748	NA	15,921	910	([10])	2,827	1	2	43	NA	NA	2,873	NA	19,704
1974	8,534	3,365	3,519	NA	15,418	1,272	([10])	3,143	1	2	53	NA	NA	3,199	NA	19,889
1975	8,786	3,166	3,240	NA	15,191	1,900	([10])	3,122	(s)	2	70	NA	NA	3,194	NA	20,286
1976	9,720	3,477	3,152	NA	16,349	2,111	([10])	2,943	1	2	78	NA	NA	3,024	NA	21,484
1977	10,262	3,901	3,284	NA	17,446	2,702	([10])	2,301	3	2	77	NA	NA	2,383	NA	22,531
1978	10,238	3,987	3,297	NA	17,522	3,024	([10])	2,905	2	1	64	NA	NA	2,973	NA	23,519
1979	11,260	3,283	3,613	NA	18,156	2,776	([10])	2,897	3	2	84	NA	NA	2,986	NA	23,917
1980	12,123	2,634	3,810	NA	18,567	2,739	([10])	2,867	3	2	110	NA	NA	2,982	NA	24,287
1981	12,583	2,202	3,768	NA	18,553	3,008	([10])	2,725	3	1	123	NA	NA	2,852	NA	24,412
1982	12,582	1,568	3,342	NA	17,491	3,131	([10])	3,233	2	1	105	NA	NA	3,341	NA	23,963
1983	13,213	1,544	2,998	NA	17,754	3,203	([10])	3,494	2	2	129	NA	(s)	3,627	NA	24,584
1984	14,019	1,286	3,220	NA	18,526	3,553	([10])	3,353	5	4	165	(s)	(s)	3,527	NA	25,605
1985	14,542	1,090	3,160	NA	18,792	R4,076	([10])	2,937	8	7	198	(s)	(s)	3,150	NA	26,018
1986	14,444	1,452	2,691	NA	18,586	R4,380	([10])	3,038	5	7	219	(s)	(s)	3,270	NA	26,236
1987	15,173	1,257	2,935	NA	19,365	R4,754	([10])	2,602	8	7	229	(s)	(s)	2,846	NA	26,965
1988	15,850	1,563	2,709	NA	20,123	R5,587	([10])	2,302	10	8	217	(s)	(s)	2,536	NA	28,246
1989P,[11]	16,102	1,696	3,107	7	20,911	R5,602	([10])	2,801	75	126	R296	R3	R19	3,321	2	29,837
1990P	16,222	1,271	3,224	6	20,723	R6,104	-36	3,000	101	179	R315	R4	R24	3,623	(s)	30,414
1991P	16,223	1,199	3,296	6	20,725	R6,422	-47	2,972	104	217	R325	R5	R27	3,651	4	30,754
1992P	16,431	990	3,407	12	20,840	R6,479	-43	2,586	120	252	R338	R4	30	3,329	3	30,608
1993P	17,159	1,122	3,426	12	21,719	R6,410	-42	2,861	129	255	R351	R5	31	3,632	3	31,723
1994P	17,215	1,056	3,851	12	22,134	R6,694	-35	2,620	134	269	R325	R5	36	3,389	2	32,184
1995P	17,416	743	4,179	18	22,356	R7,075	-28	3,149	106	282	R280	R5	33	3,855	2	33,261
1996P	18,375	810	3,730	16	22,930	R7,087	-32	3,528	117	280	R300	R5	R33	4,264	2	34,251
1997P	18,855	917	3,981	14	23,768	R6,597	R-41	3,581	117	292	R309	R5	R34	4,337	1	34,661
1998P	19,162	1,306	4,520	23	25,011	R7,068	-46	3,241	125	287	R311	R5	31	4,000	2	36,034
1999P	19,214	1,211	4,742	14	25,181	R7,610	R-62	3,218	125	290	R312	R5	46	3,996	1	36,726
2000P	20,153	1,145	5,120	19	26,438	R7,862	R-57	2,768	126	294	R296	R5	R57	3,547	1	37,792
2001P	19,620	1,281	5,170	23	26,094	8,028	-90	2,181	130	288	290	5	59	2,953	5	36,990

[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.
[4] Blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.
[5] Pumped storage facility production minus energy used for pumping.
[6] Wood, black liquor, and other wood waste.
[7] Municipal solid waste, landfill gas, sludge waste, tires, agricultural byproducts, and other biomass.
[8] Solar thermal and photovoltaic energy.
[9] Batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, and miscellaneous technologies.
[10] Included in "Conventional Hydroelectric Power."
[11] Through 1988, data are for consumption at electric utilities only. Beginning in 1989, data also include consumption at independent power producers.

R=Revised. P=Preliminary. NA=Not available. (s)=Less than 0.5 trillion Btu.

Notes: • Data are for fuels consumed to produce electricity; they exclude fuels consumed to produce useful thermal output. Consumption for electricity generation at combined-heat-and-power (CHP) plants is estimated. • The electric power sector (electric utilities and independent power producers) comprises electricity-only and combined-heat-and-power (CHP) plants whose primary business is to sell electricity, or electricity and heat, to the public—i.e., NAICS 22 plants. • Totals may not equal sum of components due to independent rounding.

Sources: See sources for Tables 8.2b, 8.2c, 8.3b, 8.3c, and A3-A6.