

**Table 8.4b Consumption for Electricity Generation by Energy Source: Electric Power Sector, Selected Years, 1949-2003** (Subset of Table 8.4a; Trillion Btu)

Year	Fossil Fuels					Nuclear Electric Power	Hydro-electric Pumped Storage <sup>5</sup>	Renewable Energy								Electricity Net Imports <sup>10</sup>	Total
	Coal <sup>1</sup>	Petroleum <sup>2</sup>	Natural Gas <sup>3</sup>	Other Gases <sup>4</sup>	Total			Conventional Hydroelectric Power	Wood <sup>6</sup>	Waste <sup>7</sup>	Geo-thermal	Solar <sup>8</sup>	Wind	Total	Other <sup>9</sup>		
1949	1,995	415	569	NA	2,979	0	( <sup>11</sup> )	1,349	6	NA	NA	NA	NA	1,355	NA	5	4,339
1950	2,199	472	651	NA	3,322	0	( <sup>11</sup> )	1,346	5	NA	NA	NA	NA	1,351	NA	6	4,679
1955	3,458	471	1,194	NA	5,123	0	( <sup>11</sup> )	1,322	3	NA	NA	NA	NA	1,325	NA	14	6,461
1960	4,228	553	1,785	NA	6,565	6	( <sup>11</sup> )	1,569	2	NA	1	NA	NA	1,571	NA	15	8,158
1965	5,821	722	2,395	NA	8,938	43	( <sup>11</sup> )	2,026	3	NA	4	NA	NA	2,033	NA	(s)	11,014
1970	7,227	2,117	4,054	NA	13,399	239	( <sup>11</sup> )	2,600	1	2	11	NA	NA	2,615	NA	7	16,259
1971	7,299	2,495	4,099	NA	13,893	413	( <sup>11</sup> )	2,790	1	2	12	NA	NA	2,806	NA	12	17,124
1972	7,811	3,097	4,084	NA	14,992	584	( <sup>11</sup> )	2,829	1	2	31	NA	NA	2,864	NA	26	18,466
1973	8,658	3,515	3,748	NA	15,921	910	( <sup>11</sup> )	2,827	1	2	43	NA	NA	2,873	NA	49	19,753
1974	8,534	3,365	3,519	NA	15,418	1,272	( <sup>11</sup> )	3,143	1	2	53	NA	NA	3,199	NA	43	19,933
1975	8,786	3,166	3,240	NA	15,191	1,900	( <sup>11</sup> )	3,122	(s)	2	70	NA	NA	3,194	NA	21	20,307
1976	9,720	3,477	3,152	NA	16,349	2,111	( <sup>11</sup> )	2,943	1	2	78	NA	NA	3,024	NA	29	21,513
1977	10,262	3,901	3,284	NA	17,446	2,702	( <sup>11</sup> )	2,301	3	2	77	NA	NA	2,383	NA	59	22,591
1978	10,238	3,987	3,297	NA	17,522	3,024	( <sup>11</sup> )	2,905	2	1	64	NA	NA	2,973	NA	67	23,587
1979	11,260	3,283	3,613	NA	18,156	2,776	( <sup>11</sup> )	2,897	3	2	84	NA	NA	2,986	NA	69	23,987
1980	12,123	2,634	3,810	NA	18,567	2,739	( <sup>11</sup> )	2,867	3	2	110	NA	NA	2,982	NA	71	24,359
1981	12,583	2,202	3,768	NA	18,553	3,008	( <sup>11</sup> )	2,725	3	1	123	NA	NA	2,852	NA	113	24,525
1982	12,582	1,568	3,342	NA	17,491	3,131	( <sup>11</sup> )	3,233	2	1	105	NA	NA	3,341	NA	100	24,063
1983	13,213	1,544	2,998	NA	17,754	3,203	( <sup>11</sup> )	3,494	2	2	129	NA	(s)	3,627	NA	121	24,705
1984	14,019	1,286	3,220	NA	18,526	3,553	( <sup>11</sup> )	3,353	5	4	165	(s)	(s)	3,527	NA	135	25,741
1985	14,542	1,090	3,160	NA	18,792	4,076	( <sup>11</sup> )	2,937	8	7	198	(s)	(s)	3,150	NA	140	26,158
1986	14,444	1,452	2,691	NA	18,586	4,380	( <sup>11</sup> )	3,038	5	7	219	(s)	(s)	3,270	NA	122	26,359
1987	15,173	1,257	2,935	NA	19,365	4,754	( <sup>11</sup> )	2,602	8	7	229	(s)	(s)	2,846	NA	158	27,124
1988	15,850	1,563	2,709	NA	20,123	5,587	( <sup>11</sup> )	2,302	10	8	217	(s)	(s)	2,536	NA	108	28,354
1989	<sup>12</sup> 16,121	<sup>124</sup> 1,697	<sup>123</sup> 1,107	7	<sup>12</sup> 20,932	<sup>125</sup> 6,022	( <sup>11</sup> )	<sup>12</sup> 2,808	<sup>1275</sup>	<sup>12126</sup>	<sup>12308</sup>	<sup>123</sup>	<sup>1222</sup>	<sup>123</sup> 3,342	2	37	29,916
1990	16,235	1,281	3,224	6	20,746	6,104	-36	3,014	106	180	326	4	29	3,658	(s)	8	30,481
1991	16,223	1,199	3,296	6	20,725	6,422	-47	2,985	104	217	335	5	31	3,677	4	67	30,848
1992	16,431	990	3,407	12	20,840	6,479	-43	2,586	120	252	338	4	30	3,329	3	87	30,695
1993	17,159	1,122	3,426	12	21,719	6,410	-42	2,861	129	255	351	5	31	3,632	3	95	31,818
1994	17,215	1,056	3,851	12	22,134	6,694	-35	2,620	134	269	325	5	36	3,389	2	153	32,337
1995	17,416	743	4,179	18	22,356	7,075	-28	3,149	106	282	280	5	33	3,855	2	134	33,395
1996	18,375	810	3,730	16	22,930	7,087	-32	3,528	117	280	300	5	33	4,264	2	137	34,388
1997	18,855	917	3,981	14	23,768	6,597	-41	3,581	117	292	309	5	34	4,337	1	116	34,777
1998	19,162	1,306	4,520	23	25,011	7,068	-46	3,241	125	287	311	5	31	4,000	2	88	<sup>R</sup> 36,123
1999	19,214	1,211	4,742	14	25,181	7,610	-62	3,218	125	290	312	5	46	3,996	1	99	36,825
2000	20,185	1,145	5,120	19	26,470	7,862	-57	2,768	126	294	296	5	57	3,547	1	<sup>R</sup> 115	<sup>R</sup> 37,939
2001	19,494	1,270	5,271	9	26,044	<sup>R</sup> 8,033	-90	2,169	116	314	289	6	68	2,962	0	75	<sup>R</sup> 37,024
2002	<sup>R</sup> 19,733	<sup>R</sup> 955	<sup>R</sup> 5,522	<sup>R</sup> 25	<sup>R</sup> 26,235	<sup>R</sup> 8,143	<sup>RP</sup> -88	<sup>RP</sup> 2,636	<sup>R</sup> 141	<sup>R</sup> 353	<sup>R</sup> 305	<sup>P</sup> 6	<sup>RP</sup> 105	<sup>RP</sup> 3,545	<sup>R</sup> 7	78	<sup>R</sup> 37,919
2003	<sup>P</sup> 20,419	<sup>P</sup> 1,200	<sup>P</sup> 4,805	<sup>P</sup> 13	<sup>P</sup> 26,437	<sup>P</sup> 7,973	<sup>P</sup> -88	<sup>P</sup> 2,722	<sup>P</sup> 152	<sup>P</sup> 336	<sup>P</sup> 276	<sup>P</sup> 5	<sup>P</sup> 108	<sup>P</sup> 3,600	<sup>P</sup> 1	<sup>P</sup> 22	<sup>P</sup> 37,945

<sup>1</sup> Anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and synthetic coal.  
<sup>2</sup> Distillate fuel oil, residual fuel oil, petroleum coke, jet fuel, kerosene, other petroleum, and waste oil.  
<sup>3</sup> Natural gas, plus a small amount of supplemental gaseous fuels that cannot be identified separately.  
<sup>4</sup> Blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.  
<sup>5</sup> Pumped storage facility production minus energy used for pumping.  
<sup>6</sup> Wood, black liquor, and other wood waste.  
<sup>7</sup> Municipal solid waste, landfill gas, sludge waste, tires, agricultural byproducts, and other biomass.  
<sup>8</sup> Solar thermal and photovoltaic energy.  
<sup>9</sup> Batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, and miscellaneous technologies.  
<sup>10</sup> See Note 3, "Electricity Imports and Exports," at end of section.  
<sup>11</sup> Included in "Conventional Hydroelectric Power."  
<sup>12</sup> Through 1988, data are for electric utilities only. Beginning in 1989, data are for electric utilities and independent power producers.  
R=Revised. P=Preliminary. NA=Not available. (s)=Less than 0.5 trillion Btu.  
Notes: • Data are for energy consumed to produce electricity. Data also include energy consumed to

produce useful thermal output at a small number of electric utility combined-heat-and-power (CHP) plants.  
• The electric power sector comprises 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. • See Table 8.4c for commercial and industrial CHP and electricity-only data. • 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: **Electricity Net Imports:** Tables 8.1 and A6. **All Other Data:** • 1949-1988—Tables 8.2b, 8.5b, A1, A4, A5, and A6. • 1989-1997—Energy Information Administration (EIA), Form EIA-759, "Monthly Power Plant Report" and Form EIA-867, "Annual Nonutility Power Producer Report." • 1998-2000—EIA, Form EIA-759, "Monthly Power Plant Report" and Form EIA-860B, "Annual Electric Generator Report—Nonutility." • 2001 and 2002—EIA, Form EIA-860, "Annual Electric Generator Report" and Form EIA-906, "Power Plant Report." • 2003—EIA, Form EIA-906, "Power Plant Report."