

Table 2.1f Electric Power Sector Energy Consumption, Selected Years, 1949-2011
(Trillion Btu)

Year	Primary Consumption ¹												Electricity Net Imports ¹¹	Total Primary
	Fossil Fuels				Nuclear Electric Power ⁵	Renewable Energy ²								
	Coal	Natural Gas ³	Petroleum ⁴	Total		Hydroelectric Power ⁶	Geothermal ⁷	Solar/PV ⁸	Wind ⁹	Biomass ¹⁰	Total			
1949	1,995	569	415	2,979	0	1,349	NA	NA	NA	6	1,355	5	4,339	
1950	2,199	651	472	3,322	0	1,346	NA	NA	NA	5	1,351	6	4,679	
1955	3,458	1,194	471	5,123	0	1,322	NA	NA	NA	3	1,325	14	6,461	
1960	4,228	1,785	553	6,565	6	1,569	(s)	NA	NA	2	1,571	15	8,158	
1965	5,821	2,395	722	8,938	43	2,026	2	NA	NA	3	2,031	(s)	11,012	
1970	7,227	4,054	2,117	13,399	239	2,600	6	NA	NA	4	2,609	7	16,253	
1975	8,786	3,240	3,166	15,191	1,900	3,122	34	NA	NA	2	3,158	21	20,270	
1976	9,720	3,152	3,477	16,349	2,111	2,943	38	NA	NA	3	2,983	29	21,473	
1977	10,262	3,284	3,901	17,446	2,702	2,301	37	NA	NA	5	2,343	59	22,551	
1978	10,238	3,297	3,987	17,522	3,024	2,905	31	NA	NA	3	2,940	67	23,553	
1979	11,260	3,613	3,283	18,156	2,776	2,897	40	NA	NA	5	2,942	69	23,943	
1980	12,123	3,778	2,634	18,534	2,739	2,867	53	NA	NA	5	2,925	71	24,269	
1981	12,583	3,730	2,202	18,516	3,008	2,725	59	NA	NA	4	2,788	113	24,425	
1982	12,582	3,312	1,568	17,462	3,131	3,233	51	NA	NA	3	3,286	100	23,979	
1983	13,213	2,972	1,544	17,729	3,203	3,494	64	NA	(s)	4	3,562	121	24,614	
1984	14,019	3,199	1,286	18,504	3,553	3,353	81	(s)	(s)	9	3,443	135	25,635	
1985	14,542	3,135	1,090	18,767	4,076	2,937	97	(s)	(s)	14	3,049	140	26,032	
1986	14,444	2,670	1,452	18,566	4,380	3,038	108	(s)	(s)	12	3,158	122	26,227	
1987	15,173	2,916	1,257	19,346	4,754	2,602	112	(s)	(s)	15	2,729	158	26,988	
1988	15,850	2,693	1,563	20,106	5,587	2,302	106	(s)	(s)	17	2,425	108	28,227	
1989 ¹²	16,137	3,173	1,703	21,013	5,602	2,808	152	3	22	232	3,217	37	29,869	
1990	16,261	3,309	1,289	20,859	6,104	3,014	161	4	29	317	3,524	8	30,495	
1991	16,250	3,377	1,198	20,825	6,422	2,985	167	5	31	354	3,542	67	30,856	
1992	16,466	3,512	991	20,968	6,479	2,586	167	4	30	402	3,189	87	30,723	
1993	17,196	3,538	1,124	21,857	6,410	2,861	173	5	31	415	3,484	95	31,847	
1994	17,261	3,977	1,059	22,297	6,694	2,620	160	5	36	434	3,255	153	32,399	
1995	17,466	4,302	755	22,523	7,075	3,149	138	5	33	422	3,747	134	33,479	
1996	18,429	3,862	817	23,109	7,087	3,528	148	5	33	438	4,153	137	34,485	
1997	18,905	4,126	927	23,957	6,597	3,581	150	5	34	446	4,216	116	34,886	
1998	19,216	4,675	1,306	25,197	7,068	3,241	151	5	31	444	3,872	88	36,225	
1999	19,279	4,902	1,211	25,393	7,610	3,218	152	5	46	453	3,874	99	36,976	
2000	20,220	5,293	1,144	26,658	7,862	2,768	144	5	57	453	3,427	115	38,062	
2001	19,614	5,458	1,277	26,348	8,029	2,209	142	6	70	337	2,763	75	37,215	
2002	19,783	5,767	961	26,511	8,145	2,650	147	6	105	380	3,288	72	38,016	
2003	20,185	5,246	1,205	26,636	7,959	2,781	148	5	115	397	3,445	22	38,062	
2004	20,305	5,595	1,212	27,112	8,222	2,656	148	6	142	388	3,340	39	38,713	
2005	20,737	6,015	1,235	27,986	8,161	2,670	147	6	178	406	3,406	85	39,638	
2006	20,462	6,375	648	27,485	8,215	2,839	145	5	264	412	3,665	63	39,428	
2007	20,808	7,005	657	28,470	8,455	2,430	145	6	341	423	3,345	107	40,377	
2008	20,513	6,829	468	27,810	8,427	2,494	146	9	546	435	3,630	112	39,978	
2009	18,225	7,022	390	25,638	8,356	2,650	146	9	721	441	3,967	116	38,077	
2010	19,133	R7,527	378	R27,039	R8,434	R2,521	R148	R12	R923	R459	R4,064	R89	R39,626	
2011 ^P	17,986	7,740	288	26,014	8,259	3,153	163	18	1,168	444	4,945	127	39,346	

¹ See "Primary Energy Consumption" in Glossary.

² See Table 10.2c for notes on series components.

³ Natural gas only; excludes the estimated portion of supplemental gaseous fuels. See Note 1, "Supplemental Gaseous Fuels," at end of Section 6.

⁴ See Table 5.14c for series components.

⁵ Nuclear electricity net generation (converted to Btu using the nuclear heat rate—see Table A6).

⁶ Conventional hydroelectricity net generation (converted to Btu using the fossil-fuels heat rate—see Table A6).

⁷ Geothermal electricity net generation (converted to Btu using the fossil-fuels heat rate—see Table A6).

⁸ Solar thermal and photovoltaic (PV) electricity net generation (converted to Btu using the fossil-fuels heat rate—see Table A6).

⁹ Wind electricity net generation (converted to Btu using the fossil-fuels heat rate—see Table A6).

¹⁰ Wood and wood-derived fuels; and municipal solid waste from biogenic sources, landfill gas, sludge waste, agricultural byproducts, and other biomass. Through 2000, also includes non-renewable waste

(municipal solid waste from non-biogenic sources, and tire-derived fuels).

¹¹ Net imports equal imports minus exports.

¹² 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 fuels consumed to produce electricity and useful thermal output. • The electric power sector comprises 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. • See Note 3, "Electricity Imports and Exports," at end of Section 8. • Totals may not equal sum of components due to independent rounding.

Web Pages: • See <http://www.eia.gov/totalenergy/data/monthly/#consumption> for updated monthly and annual data. • See <http://www.eia.gov/totalenergy/data/annual/#consumption> for all annual data beginning in 1949.

Sources: Tables 5.14c, 6.5, 7.3, 8.1, 8.2b, 10.2c, A4, A5, and A6.