

Table 2.1f Electric Power Sector Energy Consumption, Selected Years, 1949-2010
(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	R(s)	NA	NA	2	1,571	15	8,158	
1965	5,821	2,395	722	8,938	43	2,026	R2	NA	NA	3	R2,031	(s)	R11,012	
1970	7,227	4,054	2,117	13,399	239	2,600	R6	NA	NA	4	R2,609	7	R16,253	
1975	8,786	3,240	3,166	15,191	1,900	3,122	R34	NA	NA	2	R3,158	21	R20,270	
1976	9,720	3,152	3,477	16,349	2,111	2,943	R38	NA	NA	3	R2,983	29	R21,473	
1977	10,262	3,284	3,901	17,446	2,702	2,301	R37	NA	NA	5	R2,343	59	R22,551	
1978	10,238	3,297	3,987	17,522	3,024	2,905	R31	NA	NA	3	R2,940	67	R23,553	
1979	11,260	3,613	3,283	18,156	2,776	2,897	R40	NA	NA	5	R2,942	69	R23,943	
1980	12,123	3,778	2,634	18,534	2,739	2,867	R53	NA	NA	5	R2,925	71	R24,269	
1981	12,583	3,730	2,202	18,516	3,008	2,725	R59	NA	NA	4	R2,788	113	R24,425	
1982	12,582	3,312	1,568	17,462	3,131	3,233	R51	NA	NA	3	R3,286	100	R23,979	
1983	13,213	2,972	1,544	17,729	3,203	3,494	R64	NA	(s)	4	R3,562	121	R24,614	
1984	14,019	3,199	1,286	18,504	3,553	3,353	R81	(s)	(s)	9	R3,443	135	R25,635	
1985	14,542	3,135	1,090	18,767	4,076	2,937	R97	(s)	(s)	14	R3,049	140	R26,032	
1986	14,444	2,670	1,452	18,566	4,380	3,038	R108	(s)	(s)	12	R3,158	122	R26,227	
1987	15,173	2,916	1,257	19,346	4,754	2,602	R112	(s)	(s)	15	R2,729	158	R26,988	
1988	15,850	2,693	1,563	20,106	5,587	2,302	R106	(s)	(s)	17	R2,425	108	R28,227	
1989 ¹²	16,137	3,173	1,703	21,013	5,602	2,808	R152	3	22	232	R3,217	37	R29,869	
1990	16,261	3,309	1,289	20,859	6,104	3,014	R161	4	29	317	R3,524	8	R30,495	
1991	16,250	3,377	1,198	20,825	6,422	2,985	R167	5	31	354	R3,542	67	R30,856	
1992	16,466	3,512	991	20,968	6,479	2,586	R167	4	30	402	R3,189	87	R30,723	
1993	17,196	3,538	1,124	21,857	6,410	2,861	R173	5	31	415	R3,484	95	R31,847	
1994	17,261	3,977	1,059	22,297	6,694	2,620	R160	5	36	434	R3,255	153	R32,399	
1995	17,466	4,302	755	22,523	7,075	3,149	R138	5	33	422	R3,747	134	R33,479	
1996	18,429	3,862	817	23,109	7,087	3,528	R148	5	33	438	R4,153	137	R34,485	
1997	18,905	4,126	927	23,957	6,597	3,581	R150	5	34	446	R4,216	116	R34,886	
1998	19,216	4,675	1,306	25,197	7,068	3,241	R151	5	31	444	R3,872	88	R36,225	
1999	19,279	4,902	1,211	25,393	7,610	3,218	R152	5	46	453	R3,874	99	R36,976	
2000	20,220	5,293	1,144	26,658	7,862	2,768	R144	5	57	453	R3,427	115	R38,062	
2001	19,614	5,458	1,277	26,348	8,029	2,209	R142	6	70	337	R2,763	75	R37,215	
2002	19,783	5,767	961	26,511	8,145	2,650	R147	6	105	380	R3,288	72	R38,016	
2003	20,185	5,246	1,205	26,636	7,959	2,781	R148	5	115	397	R3,445	22	R38,062	
2004	20,305	5,595	1,212	27,112	8,222	2,656	R148	6	142	388	R3,340	39	R38,713	
2005	20,737	6,015	1,235	27,986	8,161	2,670	R147	6	178	406	R3,406	R85	R39,638	
2006	20,462	6,375	648	27,485	8,215	2,839	R145	5	264	412	R3,665	63	R39,428	
2007	20,808	7,005	657	28,470	8,455	2,430	R145	6	341	423	R3,345	107	R40,377	
2008	20,513	6,829	468	27,810	8,427	2,494	R146	9	546	435	R3,630	112	R39,978	
2009	R18,225	R7,022	390	R25,638	R8,356	R2,650	R146	R9	R721	R441	R3,967	R116	R38,077	
2010 ^P	19,133	7,517	378	27,028	8,441	2,492	153	13	924	440	4,022	88	39,579	

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 Page: See <http://www.eia.gov/totalenergy/data/annual/#consumption> for all data beginning in 1949.

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