

Table 2.1d Industrial Sector Energy Consumption Estimates, Selected Years, 1949-2010
(Trillion Btu)

Year	Primary Consumption ¹										Electricity Retail Sales ¹⁰	Electrical System Energy Losses ¹¹	Total	
	Fossil Fuels					Renewable Energy ²								
	Coal	Coal Coke Net Imports	Natural Gas ³	Petroleum ^{4,5}	Total	Hydroelectric Power ⁶	Geothermal ⁷	Solar/PV ⁸	Biomass ⁹	Total				
1949	5,433	-7	3,188	R3,475	R12,090	76	NA	NA	468	544	R12,633	418	1,672	R14,724
1950	5,781	1	3,546	R3,960	R13,288	69	NA	NA	532	602	R13,890	500	1,852	R16,241
1955	5,620	-10	4,701	R5,123	R15,434	38	NA	NA	631	669	R16,103	887	2,495	R19,485
1960	4,543	-6	5,973	R5,766	R16,277	39	NA	NA	680	719	R16,996	1,107	2,739	R20,842
1965	5,127	-18	7,339	R6,813	R19,260	33	NA	NA	855	888	R20,148	1,463	R3,487	R25,098
1970	4,656	-58	9,536	R7,776	R21,911	34	NA	NA	1,019	1,053	R22,964	1,948	R4,716	R29,628
1975	3,667	14	8,532	R8,127	R20,339	32	NA	NA	1,063	1,096	R21,434	2,346	R5,632	R29,413
1976	3,661	(s)	8,762	R8,990	R21,412	33	NA	NA	1,220	1,253	R22,665	2,573	R6,155	R31,393
1977	3,454	15	8,635	R9,747	R21,851	33	NA	NA	1,281	1,314	R23,165	2,682	R6,416	R32,263
1978	3,314	125	8,539	R9,835	R21,812	32	NA	NA	1,400	1,432	R23,244	2,761	R6,683	R32,688
1979	3,593	63	8,549	R10,548	R22,753	34	NA	NA	1,405	1,439	R24,192	2,873	R6,860	R33,925
1980	3,155	-35	8,333	R9,509	R20,962	33	NA	NA	1,600	1,633	R22,595	2,781	R6,664	R32,039
1981	3,157	-16	8,185	R8,265	R19,590	33	NA	NA	1,695	1,728	R21,318	2,817	R6,576	R30,712
1982	2,552	-22	7,068	R7,772	R17,370	33	NA	NA	1,650	1,683	R19,053	2,542	R6,020	R27,614
1983	2,490	-16	6,776	R7,390	R16,640	33	NA	NA	1,874	1,908	R18,548	2,648	R6,232	R27,428
1984	2,842	-11	7,405	R7,987	R18,222	33	NA	NA	1,918	1,951	R20,174	2,859	R6,538	R29,570
1985	2,760	-13	7,032	R7,714	R17,492	33	NA	NA	1,918	1,951	R19,443	2,855	R6,518	R28,816
1986	2,641	-17	6,646	R7,860	R17,130	33	NA	NA	1,915	1,948	R19,078	2,834	R6,362	R28,274
1987	2,673	9	7,283	R8,042	R18,006	33	NA	NA	1,914	1,947	R19,953	2,928	R6,497	R29,379
1988	2,828	40	7,655	R8,317	R18,840	33	NA	NA	1,989	2,022	R20,862	3,059	R6,757	R30,677
1989	2,787	30	8,088	R8,098	R19,003	28	2	-	1,841	1,871	R20,874	3,158	R7,288	R31,320
1990	2,756	5	8,451	R8,251	R19,463	31	2	-	1,684	1,717	R21,180	3,226	R7,404	R31,810
1991	2,601	10	8,572	R7,958	R19,141	30	2	-	1,652	1,684	R20,824	3,230	R7,345	R31,399
1992	2,515	35	8,918	R8,552	R20,019	31	2	-	1,705	1,737	R21,756	3,319	R7,496	R32,571
1993	2,496	27	9,070	R8,386	R19,980	30	2	-	1,741	1,773	R21,753	3,334	R7,541	R32,629
1994	2,510	58	9,126	R8,771	R20,465	62	3	-	1,862	1,927	R22,393	3,439	R7,689	R33,521
1995	2,488	61	9,592	R8,586	R20,727	55	3	-	1,934	1,992	R22,719	3,455	R7,796	R33,971
1996	2,434	23	9,901	R9,019	R21,377	61	3	-	1,969	2,033	R23,410	3,527	R7,968	R34,904
1997	2,395	46	9,933	R9,255	R21,629	58	3	-	1,996	2,057	R23,686	3,542	R7,972	R35,200
1998	2,335	67	9,763	R9,082	R21,248	55	3	-	1,872	1,929	R23,177	3,587	R8,079	R34,843
1999	2,227	58	9,375	R9,356	R21,016	49	4	-	1,882	1,934	R22,950	3,611	R8,203	R34,764
2000	2,256	65	9,500	R9,075	R20,896	42	4	-	1,881	1,928	R22,824	3,631	R8,208	R34,664
2001	2,192	29	8,676	R9,178	R20,075	33	5	-	1,681	1,719	R21,794	3,400	R7,526	R32,720
2002	2,019	61	8,845	R9,168	R20,093	39	5	-	1,676	1,720	R21,813	3,379	R7,484	R32,676
2003	2,041	51	8,488	R9,197	R19,777	43	3	-	1,679	1,726	R21,503	3,454	R7,575	R32,532
2004	2,047	138	8,536	R9,825	R20,545	33	4	-	1,817	1,853	R22,398	3,473	R7,635	R33,506
2005	1,954	44	7,903	R9,633	R19,534	32	4	-	1,837	1,873	R21,407	3,477	R7,557	R32,442
2006	1,914	61	7,846	R9,770	R19,591	29	4	-	1,897	1,930	R21,521	3,451	R7,415	R32,386
2007	1,865	25	8,090	R9,451	R19,431	16	5	-	1,944	1,964	R21,395	3,507	R7,517	R32,419
2008	1,796	41	R8,074	R8,511	R18,422	17	5	-	2,031	2,053	R20,474	3,444	R7,365	R31,284
2009	1,396	-24	R7,609	R7,816	R16,796	18	4	-	R1,982	R2,005	R18,801	R3,130	R6,582	R28,513
2010 ^P	1,618	-6	8,110	8,013	17,735	16	4	(s)	2,229	2,249	19,984	3,283	6,872	30,139

¹ See "Primary Energy Consumption" in Glossary.

² Most data are estimates. See Table 10.2b for notes on series components and estimation.

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

⁴ Based on petroleum product supplied. For petroleum, product supplied is used as an approximation of petroleum consumption. See Note 1, "Petroleum Products Supplied and Petroleum Consumption," at end of Section 5.

⁵ Does not include biofuels that have been blended with petroleum—biofuels are included in "Biomass."

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

⁷ Geothermal heat pump and direct use energy.

⁸ Photovoltaic (PV) electricity net generation (converted to Btu using the fossil-fuels heat rate—see Table A6) at industrial plants with capacity of 1 megawatt or greater.

⁹ Wood and wood-derived fuels; 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); fuel ethanol (minus denaturant); and losses and co-products from the production of fuel ethanol and biodiesel.

¹⁰ Electricity retail sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers.

¹¹ Total losses are calculated as the primary energy consumed by the electric power sector minus the energy content of electricity retail sales. Total losses are allocated to the end-use sectors in proportion to each sector's share of total electricity retail sales. See Note, "Electrical System Energy Losses," at end of section.

R=Revised. P=Preliminary. NA=Not available. - =No data reported. (s)=Less than +0.5 trillion Btu and greater than -0.5 trillion Btu.

Notes: • The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. See Note 2, "Classification of Power Plants Into Energy-Use Sectors," 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 2.1f, 5.14b, 6.5, 7.3, 7.7, 8.9, 10.2b, A4, A5, and A6.