

Table 2.4 Industrial Sector Energy Consumption
(Trillion Btu)

	End-Use Energy Consumption ^a													Electrical System Energy Losses ^k	Total
	Primary Consumption ^b										Total Primary	Electricity ^j	Total End Use		
	Fossil Fuels ^c				Renewable Energy ^d										
	Coal	Natural Gas ^e	Petro-leum ^f	Total ^g	Hydro-electric Power ^h	Geo-thermal	Solar ⁱ	Wind	Bio-mass	Total					
1950 Total	5,781	3,546	3,943	13,271	17	NA	NA	NA	532	549	13,820	500	14,319	1,340	15,659
1955 Total	5,620	4,701	5,093	15,404	11	NA	NA	NA	631	642	16,046	887	16,933	2,005	18,938
1960 Total	4,543	5,973	5,720	16,231	12	NA	NA	NA	680	692	16,923	1,107	18,030	2,234	20,264
1965 Total	5,127	7,339	6,750	19,197	11	NA	NA	NA	855	866	20,063	1,463	21,526	2,873	24,399
1970 Total	4,656	9,536	7,754	21,888	11	NA	NA	NA	1,019	1,030	22,918	1,948	24,866	3,995	28,862
1975 Total	3,667	8,532	8,092	20,304	11	NA	NA	NA	1,063	1,074	21,378	2,346	23,725	4,797	28,522
1980 Total	3,155	8,333	9,464	20,916	11	NA	NA	NA	1,600	1,611	22,527	2,781	25,308	5,900	31,209
1985 Total	2,760	7,032	7,656	17,434	11	NA	NA	NA	1,918	1,928	19,363	2,855	22,218	5,782	28,000
1990 Total	2,756	8,443	8,200	19,403	10	2	(s)	—	1,684	1,696	21,100	3,226	24,326	6,652	30,978
1995 Total	2,488	9,592	8,525	20,666	18	3	(s)	—	1,934	1,955	22,622	3,455	26,077	7,048	33,125
2000 Total	2,256	9,500	8,999	20,821	14	4	(s)	—	1,881	1,900	22,721	3,631	26,352	7,592	33,945
2005 Total	1,954	7,907	9,567	19,472	11	4	(s)	—	1,834	1,849	21,322	3,477	24,799	7,003	31,803
2010 Total	1,631	8,278	8,083	17,986	6	4	1	—	2,320	2,331	20,317	3,314	23,631	6,328	29,958
2011 Total	1,561	8,481	8,055	18,107	6	4	1	(s)	2,375	2,387	20,494	3,382	23,876	6,247	30,123
2012 Total	1,513	8,819	8,066	18,401	8	4	2	(s)	2,349	2,363	20,765	3,363	24,128	6,103	30,230
2013 Total	1,546	9,140	8,260	18,930	12	4	3	(s)	2,407	2,427	21,357	3,362	24,719	6,043	30,762
2014 Total	1,530	9,441	8,021	18,971	4	4	4	(s)	2,466	2,478	21,449	3,404	24,853	6,068	30,921
2015 Total	1,380	9,426	8,135	18,923	5	4	5	(s)	2,474	2,489	21,411	3,366	24,777	5,836	30,613
2016 Total	1,205	9,617	8,243	19,046	4	4	7	(s)	2,487	2,503	21,549	3,333	24,882	5,639	30,520
2017 Total	1,195	9,864	8,427	19,458	5	4	8	(s)	2,475	2,493	21,951	3,358	25,309	5,534	30,843
2018 Total	1,180	10,474	8,747	20,375	4	4	9	(s)	2,471	2,489	22,864	3,414	26,278	5,535	31,813
2019 Total	1,117	10,630	8,785	20,511	4	4	11	(s)	2,416	2,435	22,946	3,420	26,366	5,349	31,716
2020 Total	938	10,437	8,476	19,838	3	4	12	2	2,270	2,292	22,130	3,272	25,403	4,913	30,315
2021 Total	1,036	10,603	8,885	20,476	3	4	14	(s)	2,336	2,357	22,833	3,414	26,247	5,147	31,394
2022 January	86	1,015	713	1,809	(s)	(s)	1	(s)	201	202	2,011	287	2,298	446	2,744
February	83	899	631	1,610	(s)	(s)	1	(s)	180	182	1,792	262	2,054	371	2,425
March	86	950	729	1,760	(s)	(s)	1	(s)	196	198	1,957	286	2,243	385	2,627
April	82	888	675	1,640	(s)	(s)	1	(s)	188	190	1,830	281	2,111	370	2,481
May	83	872	688	1,634	(s)	(s)	2	(s)	197	199	1,832	294	2,126	431	2,558
June	81	837	730	1,645	(s)	(s)	2	(s)	193	195	1,839	303	2,142	458	2,600
July	81	855	761	1,693	(s)	(s)	2	(s)	198	200	1,892	309	2,201	484	2,684
August	81	868	753	1,697	(s)	(s)	2	(s)	194	196	1,894	318	2,212	479	2,691
September	79	840	741	1,655	(s)	(s)	1	(s)	178	180	1,835	295	2,131	414	2,544
October	82	885	730	1,694	(s)	(s)	1	(s)	190	192	1,886	290	2,176	409	2,585
November	80	919	704	1,700	(s)	(s)	1	(s)	192	193	1,894	279	2,173	414	2,587
December	81	954	602	1,631	(s)	(s)	1	(s)	191	193	1,824	279	2,103	432	2,535
Total	987	10,782	8,455	20,168	3	4	15	(s)	2,297	2,320	22,488	3,482	25,970	5,107	31,077
2023 January	82	966	670	R 1,715	(s)	(s)	1	(s)	195	196	1,911	274	2,185	391	2,576
February	79	886	591	1,555	(s)	(s)	1	(s)	173	175	1,729	261	1,990	347	2,337
March	83	956	688	1,725	(s)	(s)	1	(s)	189	192	1,917	283	2,199	387	2,586
April	74	897	701	R 1,670	(s)	(s)	2	(s)	177	179	1,850	273	2,123	360	R 2,482
May	75	877	738	1,688	(s)	(s)	2	(s)	188	190	1,878	289	2,167	406	2,573
June	75	845	725	1,643	(s)	(s)	2	(s)	180	182	1,825	294	2,119	439	2,558
July	74	865	721	1,656	(s)	(s)	2	(s)	187	189	1,845	309	2,154	478	R 2,632
August	74	887	788	R 1,746	(s)	(s)	2	(s)	187	189	1,936	314	2,250	472	R 2,721
September	73	859	754	1,682	(s)	(s)	1	(s)	181	183	1,865	295	2,160	407	2,567
October	73	907	759	1,738	(s)	(s)	1	(s)	186	187	1,925	293	2,218	407	2,626
November	76	940	758	1,772	(s)	(s)	1	(s)	189	190	1,963	280	R 2,242	405	2,648
December	74	997	690	1,757	(s)	(s)	1	(s)	197	198	1,955	279	R 2,234	416	2,650
Total	913	10,883	8,583	20,346	3	4	16	(s)	2,228	2,251	22,597	3,444	26,041	4,926	30,967
2024 January	73	R 1,001	R 694	R 1,768	(s)	(s)	1	(s)	187	189	R 1,957	284	R 2,240	437	R 2,677
February	74	907	R 634	R 1,613	(s)	(s)	1	(s)	178	180	R 1,793	267	R 2,060	355	R 2,415
March	76	R 943	R 656	R 1,671	(s)	(s)	2	(s)	192	194	R 1,865	283	R 2,148	381	R 2,528
April	72	883	R 682	R 1,632	(s)	(s)	2	(s)	181	184	R 1,816	279	R 2,095	367	R 2,462
May	70	R 877	R 753	R 1,698	(s)	(s)	2	(s)	188	191	R 1,888	299	R 2,187	423	R 2,610
June	70	843	R 706	R 1,614	(s)	(s)	2	(s)	179	181	R 1,795	299	R 2,094	438	R 2,533
July	69	R 878	R 737	R 1,683	(s)	(s)	2	(s)	189	192	R 1,874	311	R 2,185	469	R 2,655
August	70	R 894	R 757	R 1,717	(s)	(s)	2	(s)	193	195	R 1,912	317	R 2,230	472	R 2,702
September	70	859	742	1,668	(s)	(s)	2	(s)	184	187	1,855	297	2,152	415	2,567
9-Month Total	645	8,085	6,360	15,063	2	3	14	(s)	1,672	1,692	16,755	2,637	19,391	3,758	23,149
2023 9-Month Total	689	8,039	6,376	15,080	2	3	13	(s)	1,657	1,675	16,755	2,592	19,347	3,687	23,034
2022 9-Month Total	744	8,023	6,420	15,142	2	3	12	(s)	1,724	1,741	16,884	2,634	19,517	3,838	23,355

^a Sum of "Total Primary" and "Electricity." See "End-Use Energy Consumption" in Glossary.
^b Energy consumed in the form that it is first accounted for, before any transformation to secondary or tertiary forms of energy. See "Primary Energy Consumption" in Glossary.
^c Includes non-combustion use of fossil fuels.
^d See Table 10.2b for notes on series components and estimation.
^e Natural gas only; excludes the estimated portion of supplemental gaseous fuels. See Note 3, "Supplemental Gaseous Fuels," at end of Section 4.
^f Does not include biofuels that have been blended with petroleum—biofuels are included in "Biomass."
^g Includes coal coke net imports, which are not separately displayed. See Tables 1.4a and 1.4b.
^h Conventional hydroelectric power.
ⁱ Includes both utility-scale and small-scale solar photovoltaic (PV) electricity net generation in the industrial sector. See Tables 10.2b and 10.5.
^j Electricity sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers.
^k Total losses are calculated as the primary energy consumed by the electric

power sector minus the energy content of electricity sales to ultimate customers. Total losses are allocated to the end-use sectors in proportion to each sector's share of total electricity sales to ultimate customers. See Note 1, "Electrical System Energy Losses," at end of section.
R=Revised. NA=Not available. —=No data reported. (s)=Less than 0.5 trillion Btu.
Notes: • Data are estimates, except for coal totals; hydroelectric power in 1949–1978 and 1989 forward; solar; wind; and electricity sales to ultimate customers.
• 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 7. • See Note 2, "Other Energy Losses," at end of section. • See Note 3, "Energy Consumption Data and Surveys," at end of section. • Totals may not equal sum of components due to independent rounding.
• Geographic coverage is the 50 states and the District of Columbia.
Web Page: See <http://www.eia.gov/totalenergy/data/monthly/#consumption> (Excel and CSV files) for all available annual data beginning in 1949 and monthly data beginning in 1973.
Sources: See end of section.