Table 2.4 Industrial Sector Energy Consumption

(Trillion Btu)

	End-Use Energy Consumption[a]													Electrical System Energy Losses[k]	Total
	Primary Consumption[b]														
	Fossil Fuels[c]				Renewable Energy[d]										
	Coal	Natural Gas[e]	Petroleum[f]	Total[g]	Hydroelectric Power[h]	Geothermal	Solar[i]	Wind	Biomass	Total	Total Primary	Electricity[j]	Total End Use		
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**	**9,857**	**8,427**	**19,450**	**5**	**4**	**8**	**(s)**	**2,475**	**2,493**	**21,943**	**3,358**	**25,301**	**5,534**	**30,835**
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**	**8,784**	**20,511**	**4**	**4**	**11**	**(s)**	**2,416**	**2,435**	**22,946**	**3,420**	**26,366**	**5,349**	**31,715**
2020 Total	**938**	**10,437**	**8,476**	**19,838**	**3**	**4**	**12**	**(s)**	**2,270**	**2,290**	**22,128**	**3,272**	**25,401**	**4,913**	**30,314**
2021 Total	**1,036**	**10,603**	**8,881**	**20,471**	**3**	**4**	**14**	**(s)**	**2,336**	**2,357**	**22,828**	**3,414**	**26,242**	**5,147**	**31,390**
2022 Total	**987**	**10,782**	**8,455**	**20,168**	**3**	**4**	**15**	**(s)**	**R 2,404**	**R 2,426**	**R 22,594**	**3,482**	**R 26,076**	**5,107**	**R 31,183**
2023 January	82	968	671	1,718	(s)	(s)	1	(s)	R 204	R 205	R 1,923	274	R 2,197	R 392	R 2,589
February	79	887	592	1,556	(s)	(s)	1	(s)	R 181	R 183	R 1,739	261	R 2,000	347	R 2,347
March	83	957	688	1,727	(s)	(s)	1	(s)	R 199	R 201	R 1,927	283	R 2,210	387	R 2,597
April	74	896	701	1,670	(s)	(s)	2	(s)	R 186	R 188	R 1,858	273	R 2,131	360	R 2,491
May	75	878	739	1,689	(s)	(s)	2	(s)	R 197	R 199	R 1,888	289	R 2,177	406	R 2,583
June	75	845	725	1,643	(s)	(s)	2	(s)	R 188	R 191	R 1,833	294	R 2,128	439	R 2,567
July	74	866	721	1,657	(s)	(s)	2	(s)	R 196	R 198	R 1,855	309	R 2,164	479	R 2,643
August	74	885	788	1,744	(s)	(s)	2	(s)	R 196	R 198	R 1,942	314	R 2,256	472	R 2,728
September	73	862	754	1,684	(s)	(s)	1	(s)	R 190	R 192	R 1,876	295	R 2,171	407	R 2,578
October	73	908	759	1,738	(s)	(s)	1	(s)	R 195	R 196	R 1,935	293	R 2,228	407	R 2,635
November	76	938	758	1,770	(s)	(s)	1	(s)	R 197	R 199	R 1,969	280	R 2,249	R 406	R 2,654
December	74	994	691	1,753	(s)	(s)	1	(s)	R 205	R 207	R 1,960	279	R 2,239	R 413	R 2,652
Total	**912**	**10,883**	**8,587**	**20,349**	**3**	**4**	**16**	**(s)**	**R 2,334**	**R 2,357**	**R 22,706**	**3,444**	**R 26,149**	**4,926**	**R 31,076**
2024 January	73	1,004	R 712	R 1,788	(s)	(s)	1	(s)	R 197	R 198	R 1,986	281	R 2,267	433	R 2,700
February	74	908	R 629	R 1,609	(s)	(s)	1	(s)	R 187	R 188	1,798	266	2,064	353	R 2,417
March	75	947	R 668	R 1,686	(s)	(s)	2	(s)	R 201	R 203	R 1,889	283	R 2,172	377	R 2,550
April	70	890	R 695	R 1,651	(s)	(s)	2	(s)	R 190	R 193	R 1,843	280	R 2,123	365	R 2,488
May	72	881	R 768	R 1,719	(s)	(s)	2	(s)	R 197	R 200	R 1,918	299	R 2,217	424	R 2,641
June	71	849	R 720	R 1,635	(s)	(s)	2	(s)	R 188	R 190	R 1,825	301	R 2,127	440	R 2,567
July	73	885	R 751	R 1,707	(s)	(s)	2	(s)	R 198	R 201	R 1,908	316	R 2,224	473	R 2,697
August	74	896	R 799	R 1,765	(s)	(s)	2	(s)	R 202	R 204	R 1,969	320	R 2,288	471	R 2,759
September	71	859	R 745	R 1,672	(s)	(s)	2	(s)	R 193	R 195	R 1,868	300	R 2,167	415	R 2,582
October	77	891	R 822	R 1,787	(s)	(s)	1	(s)	R 194	R 196	R 1,983	301	R 2,284	409	R 2,693
November	76	918	R 707	R 1,698	(s)	(s)	1	(s)	R 200	R 202	R 1,900	284	R 2,184	413	R 2,597
December	79	1,004	R 707	R 1,787	(s)	(s)	1	(s)	R 205	R 207	R 1,993	287	R 2,280	429	R 2,709
Total	**885**	**10,933**	**R 8,723**	**R 20,503**	**3**	**4**	**18**	**(s)**	**R 2,352**	**R 2,378**	**R 22,881**	**3,519**	**R 26,400**	**5,015**	**R 31,414**
2025 January	73	1,036	R 755	R 1,862	(s)	(s)	1	(s)	R 201	R 203	R 2,065	288	R 2,353	442	R 2,796
February	69	922	R 598	R 1,588	(s)	(s)	1	(s)	R 181	R 183	1,771	271	2,042	369	2,411
March	73	957	R 675	R 1,704	(s)	(s)	2	(s)	R 199	R 201	R 1,905	285	R 2,190	371	R 2,561
April	66	898	R 685	R 1,647	(s)	(s)	2	(s)	R 186	R 189	R 1,836	288	R 2,124	378	R 2,502
May	64	R 899	R 743	R 1,703	(s)	(s)	2	(s)	R 193	R 196	R 1,899	298	R 2,197	411	R 2,608
June	65	856	762	1,680	(s)	(s)	2	(s)	191	194	1,874	309	2,182	449	2,632
6-Month Total	**410**	**5,567**	**4,219**	**10,185**	**2**	**2**	**10**	**(s)**	**1,151**	**1,165**	**11,350**	**1,739**	**13,088**	**2,421**	**15,510**
2024 6-Month Total	**436**	**5,479**	**4,191**	**10,087**	**2**	**2**	**9**	**(s)**	**1,160**	**1,173**	**11,260**	**1,711**	**12,971**	**2,392**	**15,363**
2023 6-Month Total	**469**	**5,431**	**4,117**	**10,002**	**2**	**2**	**8**	**(s)**	**1,154**	**1,166**	**11,169**	**1,674**	**12,843**	**2,331**	**15,174**

[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.