

Table 2.4 Industrial Sector Energy Consumption
(Trillion Btu)

| | Primary Consumption ^a | | | | | | | | | | | Elec- tricity Retail Sales ⁱ | Electrical System Energy Losses ^j | Total ^f |
|--------------------|----------------------------------|-----------------------------|-----------------------------|--------------------|--|-----------------|--------------------|------|--------------|-------|------------------|--|---|--------------------|
| | Fossil Fuels ^b | | | | Renewable Energy ^c | | | | | | Total Primary | | | |
| | Coal | Natural Gas ^d | Petro- leum ^e | Total ^f | Hydro- electric Power ^g | Geo- thermal | Solar ^h | Wind | Bio- mass | Total | | | | |
| 1950 Total | 5,781 | 3,546 | 3,960 | 13,288 | 69 | NA | NA | NA | 532 | 602 | 13,890 | 500 | 1,852 | 16,241 |
| 1955 Total | 5,620 | 4,701 | 5,123 | 15,434 | 38 | NA | NA | NA | 631 | 669 | 16,103 | 887 | 2,495 | 19,485 |
| 1960 Total | 4,543 | 5,973 | 5,766 | 16,277 | 39 | NA | NA | NA | 680 | 719 | 16,996 | 1,107 | 2,739 | 20,842 |
| 1965 Total | 5,127 | 7,339 | 6,813 | 19,260 | 33 | NA | NA | NA | 855 | 888 | 20,148 | 1,463 | 3,487 | 25,098 |
| 1970 Total | 4,656 | 9,536 | 7,776 | 21,911 | 34 | NA | NA | NA | 1,019 | 1,053 | 22,964 | 1,948 | 4,716 | 29,628 |
| 1975 Total | 3,667 | 8,532 | 8,127 | 20,339 | 32 | NA | NA | NA | 1,063 | 1,096 | 21,434 | 2,346 | 5,632 | 29,413 |
| 1980 Total | 3,155 | 8,333 | 9,509 | 20,962 | 33 | NA | NA | NA | 1,600 | 1,633 | 22,595 | 2,781 | 6,664 | 32,039 |
| 1985 Total | 2,760 | 7,032 | 7,714 | 17,492 | 33 | NA | NA | NA | 1,918 | 1,951 | 19,443 | 2,855 | 6,518 | 28,816 |
| 1990 Total | 2,756 | 8,443 | 8,251 | 19,455 | 31 | | (s) | – | 1,684 | 1,717 | 21,172 | 3,226 | 7,404 | 31,802 |
| 1995 Total | 2,488 | 9,592 | 8,585 | 20,726 | 55 | 3 | (s) | – | 1,934 | 1,992 | 22,718 | 3,455 | 7,796 | 33,969 |
| 2000 Total | 2,256 | 9,500 | 9,073 | 20,895 | 42 | 4 | (s) | – | 1,881 | 1,928 | 22,823 | 3,631 | 8,208 | 34,662 |
| 2001 Total | 2,192 | 8,676 | 9,176 | 20,073 | 33 | 5 | (s) | – | 1,681 | 1,719 | 21,792 | 3,400 | 7,526 | 32,718 |
| 2002 Total | 2,019 | 8,832 | 9,166 | 20,078 | 39 | 5 | (s) | – | 1,676 | 1,720 | 21,797 | 3,379 | 7,484 | 32,660 |
| 2003 Total | 2,041 | 8,488 | 9,228 | 19,809 | 43 | 3 | (s) | – | 1,678 | 1,725 | 21,533 | 3,454 | 7,565 | 32,553 |
| 2004 Total | 2,047 | 8,550 | 9,825 | 20,560 | 33 | 4 | (s) | – | 1,815 | 1,852 | 22,411 | 3,473 | 7,631 | 33,515 |
| 2005 Total | 1,954 | 7,907 | 9,634 | 19,539 | 32 | 4 | (s) | – | 1,834 | 1,871 | 21,410 | 3,477 | 7,554 | 32,441 |
| 2006 Total | 1,914 | 7,861 | 9,767 | 19,603 | 29 | 4 | 1 | – | 1,892 | 1,926 | 21,529 | 3,451 | 7,411 | 32,390 |
| 2007 Total | 1,865 | 8,074 | 9,441 | 19,404 | 16 | 5 | 1 | – | 1,937 | 1,958 | 21,362 | 3,507 | 7,515 | 32,384 |
| 2008 Total | 1,793 | 8,083 | 9,275 | 18,492 | 17 | 5 | 1 | – | 2,012 | 2,035 | 20,527 | 3,444 | 7,362 | 31,333 |
| 2009 Total | 1,392 | 7,609 | 7,805 | 16,783 | 18 | 4 | 2 | – | 1,948 | 1,972 | 18,755 | 3,130 | 6,580 | 28,465 |
| 2010 Total | 1,631 | 8,278 | 8,174 | 18,078 | 16 | 4 | 3 | – | 2,320 | 2,343 | 20,421 | 3,314 | 6,934 | 30,669 |
| 2011 Total | 1,561 | 8,481 | 8,138 | 18,190 | 17 | 4 | 4 | (s) | 2,375 | 2,401 | 20,591 | 3,382 | 7,005 | 30,979 |
| 2012 Total | 1,513 | 8,819 | 8,166 | 18,501 | 22 | 4 | 7 | (s) | 2,349 | 2,382 | 20,884 | 3,363 | 6,810 | 31,057 |
| 2013 Total | 1,546 | 9,140 | 8,360 | 19,029 | 33 | 4 | 9 | (s) | 2,403 | 2,449 | 21,478 | 3,362 | 6,785 | 31,625 |
| 2014 Total | 1,530 | 9,441 | 8,126 | 19,076 | 12 | 4 | 11 | 1 | 2,456 | 2,484 | 21,560 | 3,404 | 6,832 | 31,796 |
| 2015 Total | 1,380 | 9,426 | 8,246 | 19,034 | 13 | 4 | 14 | (s) | 2,460 | 2,491 | 21,525 | 3,366 | 6,578 | 31,469 |
| 2016 January | 102 | 886 | 729 | 1,716 | 1 | (s) | 1 | (s) | 209 | 212 | 1,928 | 269 | 534 | 2,731 |
| February | 103 | 818 | 717 | 1,638 | 1 | (s) | 1 | (s) | 197 | 200 | 1,837 | 262 | 485 | 2,584 |
| March | 105 | 825 | 707 | 1,637 | 1 | (s) | 2 | (s) | 206 | 210 | 1,847 | 270 | 504 | 2,621 |
| April | 97 | 776 | 651 | 1,524 | 1 | (s) | 2 | (s) | 193 | 196 | 1,720 | 268 | 516 | 2,504 |
| May | 99 | 771 | 651 | 1,520 | 1 | (s) | 2 | (s) | 204 | 207 | 1,727 | 278 | 557 | 2,562 |
| June | 100 | 743 | 663 | 1,505 | 1 | (s) | 2 | (s) | 202 | 205 | 1,710 | 285 | 578 | 2,573 |
| July | 101 | 775 | 665 | 1,539 | 1 | (s) | 2 | (s) | 208 | 211 | 1,751 | 297 | 600 | 2,648 |
| August | 99 | 786 | 747 | 1,629 | 1 | (s) | 2 | (s) | 209 | 213 | 1,841 | 304 | 583 | 2,729 |
| September | 98 | 756 | 686 | 1,538 | 1 | (s) | 2 | (s) | 197 | 200 | 1,737 | 284 | 519 | 2,540 |
| October | 99 | 779 | 726 | 1,602 | 1 | (s) | 2 | (s) | 204 | 207 | 1,808 | 278 | 522 | 2,608 |
| November | 99 | 808 | 695 | 1,598 | 1 | (s) | 1 | (s) | 206 | 208 | 1,806 | 268 | 512 | 2,586 |
| December | 103 | 895 | 713 | 1,708 | 1 | (s) | 1 | (s) | 231 | 234 | 1,942 | 268 | 548 | 2,758 |
| Total | 1,205 | 9,617 | 8,350 | 19,154 | 12 | 4 | 19 | 1 | 2,467 | 2,503 | 21,657 | 3,333 | 6,461 | 31,450 |
| 2017 January | 100 | 892 | 726 | 1,715 | 1 | (s) | 1 | (s) | 216 | 219 | 1,933 | 259 | 513 | 2,705 |
| February | 99 | 793 | 621 | 1,511 | 1 | (s) | 1 | (s) | 197 | 199 | 1,710 | 246 | 462 | 2,418 |
| March | 100 | 857 | 732 | 1,687 | 1 | (s) | 2 | (s) | 210 | 214 | 1,901 | 265 | 531 | 2,696 |
| April | 97 | 785 | 686 | 1,567 | 1 | (s) | 2 | (s) | 198 | 202 | 1,769 | 259 | 505 | 2,533 |
| May | 99 | 786 | 721 | 1,604 | 1 | (s) | 2 | (s) | 205 | 209 | 1,813 | 273 | 551 | 2,638 |
| June | 97 | 768 | 709 | 1,571 | 1 | (s) | 2 | (s) | 202 | 206 | 1,777 | 281 | 559 | 2,617 |
| July | 103 | 784 | 730 | 1,615 | 1 | (s) | 3 | (s) | 210 | 214 | 1,829 | 287 | 575 | 2,691 |
| August | 103 | 798 | 710 | 1,608 | 1 | (s) | 2 | (s) | 214 | 218 | 1,826 | 293 | 558 | 2,678 |
| September | 101 | 773 | 687 | 1,559 | 1 | (s) | 2 | (s) | 198 | 202 | 1,760 | 274 | 508 | 2,543 |
| October | 100 | 822 | 717 | 1,635 | 1 | (s) | 2 | (s) | 207 | 210 | 1,845 | 271 | 523 | 2,640 |
| November | 100 | 862 | 747 | 1,705 | 1 | (s) | 2 | (s) | 209 | 212 | 1,917 | 260 | 518 | 2,696 |
| December | 103 | 935 | 733 | 1,767 | 1 | (s) | 1 | (s) | 218 | 221 | 1,988 | 262 | 539 | 2,789 |
| Total | 1,201 | 9,853 | 8,518 | 19,544 | 13 | 4 | 24 | 1 | 2,485 | 2,527 | 22,071 | 3,229 | 6,344 | 31,645 |
| 2018 January | 98 | 942 | 805 | 1,841 | 1 | (s) | 2 | (s) | 213 | 216 | 2,057 | 259 | 516 | 2,832 |
| February | 94 | 846 | 670 | 1,608 | 1 | (s) | 2 | (s) | 196 | 199 | 1,807 | 246 | 458 | 2,511 |
| March | 99 | 901 | 776 | 1,773 | 1 | (s) | 2 | (s) | 210 | 214 | 1,987 | 262 | 514 | 2,763 |
| April | 98 | 854 | 680 | 1,630 | 1 | (s) | 2 | (s) | 203 | 207 | 1,837 | 257 | 499 | 2,594 |
| May | 99 | 834 | 744 | 1,675 | 1 | (s) | 3 | (s) | 209 | 213 | 1,889 | 278 | 579 | 2,745 |
| June | 95 | 806 | 731 | 1,631 | 1 | (s) | 3 | (s) | 205 | 209 | 1,840 | 278 | 558 | 2,676 |
| July | 94 | 830 | 751 | 1,673 | 1 | (s) | 3 | (s) | 214 | 218 | 1,891 | 291 | 577 | 2,759 |
| 7-Month Total | 677 | 6,012 | 5,157 | 11,830 | 8 | 2 | 16 | 1 | 1,450 | 1,477 | 13,307 | 1,871 | 3,700 | 18,878 |
| 2017 7-Month Total | 694 | 5,664 | 4,924 | 11,270 | 8 | 2 | 14 | (s) | 1,438 | 1,462 | 12,733 | 1,869 | 3,697 | 18,298 |
| 2016 7-Month Total | 707 | 5,594 | 4,783 | 11,079 | 8 | 2 | 11 | (s) | 1,420 | 1,442 | 12,520 | 1,930 | 3,773 | 18,224 |

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