

Table 12.4 Carbon Dioxide Emissions From Energy Consumption: Industrial Sector
(Million Metric Tons of Carbon Dioxide^a)

| | Coal | Coal Coke Net Imports | Natural Gas ^b | Petroleum | | | | | | | | | Retail Elec- tricity ^g | Total ^h |
|--------------------|------|--------------------------------|-----------------------------|-------------------------------------|------------------|---------------|-----------------|--------------------------------|-------------------|----------------------|--------------------|-------|---|--------------------|
| | | | | Distillate Fuel Oil ^c | HGL ^d | Kero- sene | Lubri- cants | Motor Gasoline ^e | Petroleum Coke | Residual Fuel Oil | Other ^f | Total | | |
| 1973 Total | 371 | -1 | 536 | 106 | 44 | 11 | 7 | 18 | 52 | 144 | 99 | 483 | 515 | 1,904 |
| 1975 Total | 336 | 2 | 440 | 97 | 41 | 9 | 6 | 16 | 51 | 117 | 95 | 431 | 490 | 1,697 |
| 1980 Total | 289 | -4 | 429 | 96 | 72 | 13 | 7 | 11 | 48 | 105 | 131 | 483 | 601 | 1,798 |
| 1985 Total | 256 | -2 | 360 | 81 | 69 | 3 | 6 | 15 | 54 | 57 | 83 | 369 | 583 | 1,566 |
| 1990 Total | 258 | 1 | 432 | 84 | 49 | 1 | 7 | 13 | 67 | 31 | 115 | 366 | 638 | 1,695 |
| 1995 Total | 233 | 7 | 489 | 82 | 60 | 1 | 7 | 14 | 67 | 25 | 107 | 364 | 659 | 1,751 |
| 1996 Total | 227 | 3 | 505 | 86 | 61 | 1 | 6 | 14 | 71 | 24 | 125 | 391 | 678 | 1,803 |
| 1997 Total | 224 | 5 | 505 | 88 | 63 | 1 | 7 | 15 | 70 | 21 | 132 | 396 | 694 | 1,824 |
| 1998 Total | 219 | 8 | 495 | 88 | 58 | 2 | 7 | 14 | 80 | 16 | 117 | 382 | 706 | 1,809 |
| 1999 Total | 208 | 7 | 475 | 86 | 60 | 1 | 7 | 11 | 85 | 14 | 119 | 383 | 704 | 1,778 |
| 2000 Total | 211 | 7 | 483 | 87 | 63 | 1 | 7 | 11 | 76 | 17 | 107 | 369 | 719 | 1,788 |
| 2001 Total | 204 | 3 | 440 | 95 | 55 | 2 | 6 | 21 | 79 | 14 | 125 | 396 | 667 | 1,711 |
| 2002 Total | 188 | 7 | 448 | 88 | 56 | 1 | 6 | 22 | 79 | 13 | 122 | 386 | 654 | 1,683 |
| 2003 Total | 190 | 6 | 432 | 85 | 49 | 2 | 6 | 23 | 78 | 16 | 134 | 392 | 672 | 1,692 |
| 2004 Total | 191 | 16 | 437 | 88 | 52 | 2 | 6 | 26 | 85 | 18 | 136 | 413 | 674 | 1,731 |
| 2005 Total | 183 | 5 | 405 | 92 | 49 | 3 | 6 | 25 | 82 | 20 | 135 | 413 | 672 | 1,678 |
| 2006 Total | 179 | 7 | 404 | 91 | 48 | 2 | 6 | 26 | 85 | 16 | 147 | 422 | 650 | 1,662 |
| 2007 Total | 175 | 3 | 414 | 91 | 50 | 1 | 6 | 21 | 83 | 13 | 143 | 408 | 662 | 1,661 |
| 2008 Total | 168 | 5 | 412 | 98 | 39 | (s) | 6 | 17 | 78 | 13 | 126 | 376 | 642 | 1,602 |
| 2009 Total | 131 | -3 | 386 | 78 | 37 | (s) | 5 | 16 | 73 | 8 | 107 | 325 | 550 | 1,390 |
| 2010 Total | 153 | -1 | 421 | 84 | 41 | 1 | 6 | 17 | 68 | 6 | 115 | 338 | 587 | 1,498 |
| 2011 Total | 146 | 1 | 431 | 90 | 38 | (s) | 5 | 17 | 65 | 6 | 115 | 337 | 574 | 1,489 |
| 2012 Total | 141 | (s) | 447 | 93 | 48 | (s) | 5 | 17 | 70 | 3 | 110 | 346 | 543 | 1,477 |
| 2013 Total | 144 | -2 | 463 | 92 | 49 | (s) | 5 | 17 | 65 | 2 | 115 | 347 | 542 | 1,495 |
| 2014 Total | 143 | -2 | 478 | 100 | 45 | (s) | 5 | 14 | 64 | 2 | 107 | 337 | 543 | 1,498 |
| 2015 January | 12 | (s) | 45 | 9 | 6 | (s) | 1 | 1 | 6 | (s) | 8 | 31 | 42 | 130 |
| February | 11 | (s) | 41 | 10 | 5 | (s) | (s) | 1 | 2 | (s) | 9 | 28 | 41 | 121 |
| March | 11 | (s) | 42 | 9 | 5 | (s) | 1 | 1 | 6 | (s) | 8 | 30 | 39 | 122 |
| April | 10 | (s) | 39 | 8 | 4 | (s) | 1 | 1 | 6 | (s) | 9 | 29 | 37 | 115 |
| May | 11 | (s) | 39 | 6 | 3 | (s) | 1 | 1 | 6 | (s) | 11 | 29 | 42 | R 120 |
| June | 11 | (s) | 37 | 7 | 4 | (s) | (s) | 1 | 6 | (s) | 10 | 30 | 47 | 124 |
| July | 11 | (s) | 38 | 7 | 4 | (s) | 1 | 2 | 6 | (s) | 11 | 30 | 48 | 127 |
| August | 11 | (s) | 39 | 6 | 4 | (s) | (s) | 2 | 7 | (s) | 9 | 28 | 47 | 125 |
| September | 10 | (s) | 37 | 8 | 4 | (s) | (s) | 1 | 4 | (s) | 8 | 26 | 43 | 117 |
| October | 11 | (s) | 39 | 6 | 5 | (s) | 1 | 1 | 5 | (s) | 7 | 24 | 40 | 114 |
| November | 10 | (s) | 40 | 4 | 4 | (s) | (s) | 1 | 5 | (s) | 9 | 24 | 38 | 112 |
| December | 10 | (s) | 42 | 5 | 5 | (s) | (s) | 1 | 4 | (s) | 10 | 27 | 36 | 115 |
| Total | 129 | -2 | 478 | 85 | 53 | (s) | 6 | 17 | 65 | 2 | 109 | 337 | 502 | R 1,443 |
| 2016 January | 10 | (s) | 45 | 8 | 6 | (s) | (s) | 1 | 6 | (s) | 9 | 31 | 38 | 123 |
| February | 10 | (s) | 41 | 8 | 5 | (s) | (s) | 1 | 5 | (s) | 12 | 32 | 33 | R 117 |
| March | 10 | (s) | 42 | 9 | 4 | (s) | 1 | 1 | 6 | (s) | 9 | 30 | 31 | 113 |
| April | 9 | (s) | 39 | 6 | 4 | (s) | (s) | 1 | 4 | (s) | 10 | 26 | 32 | 107 |
| May | 9 | (s) | 39 | 6 | 4 | (s) | (s) | 1 | 4 | (s) | 9 | 24 | 36 | 109 |
| June | 9 | (s) | 38 | 7 | 3 | (s) | 1 | 1 | 3 | (s) | 9 | 25 | 42 | 114 |
| July | 9 | (s) | 39 | 4 | 4 | (s) | (s) | 2 | 5 | (s) | 9 | 24 | 46 | 118 |
| August | 9 | (s) | 40 | 7 | 4 | (s) | (s) | 2 | 7 | (s) | 11 | 31 | 46 | 125 |
| September | 9 | (s) | 38 | 7 | 4 | (s) | (s) | 1 | 4 | (s) | 10 | 27 | 40 | 114 |
| October | 9 | (s) | R 40 | 7 | 4 | (s) | (s) | 1 | 5 | (s) | 10 | 29 | 38 | 116 |
| November | 9 | (s) | 41 | 7 | 4 | (s) | (s) | 1 | 8 | (s) | 9 | 30 | 35 | 115 |
| December | 10 | (s) | 45 | 7 | 5 | (s) | (s) | 1 | 6 | (s) | 10 | 31 | 39 | 124 |
| Total | 113 | -2 | R 488 | 83 | 50 | (s) | 6 | 17 | 64 | 2 | 116 | 339 | 459 | R 1,398 |
| 2017 January | 9 | (s) | 45 | 7 | 6 | (s) | (s) | 1 | 7 | (s) | 9 | 31 | 37 | 122 |
| February | 9 | (s) | 40 | 7 | 4 | (s) | (s) | 1 | 4 | (s) | 8 | 25 | 32 | 106 |
| March | 9 | (s) | 43 | 10 | 5 | (s) | (s) | 1 | 2 | (s) | 11 | 30 | 34 | R 117 |
| April | R 9 | (s) | R 40 | 6 | 4 | (s) | (s) | 1 | 5 | (s) | 11 | 28 | 33 | R 110 |
| May | R 9 | (s) | 40 | 8 | 4 | (s) | (s) | 2 | 5 | (s) | 10 | 29 | 37 | R 115 |
| June | 9 | (s) | 39 | 7 | 3 | (s) | (s) | 1 | 4 | (s) | 10 | 26 | 40 | 113 |
| July | 9 | (s) | 40 | 6 | 4 | (s) | (s) | 2 | 8 | (s) | 10 | 29 | 44 | 122 |
| 7-Month Total | 65 | -1 | 287 | 50 | 30 | (s) | 3 | 10 | 35 | 1 | 69 | 199 | 257 | 805 |
| 2016 7-Month Total | 66 | -1 | 284 | 47 | 29 | (s) | 3 | 10 | 34 | 1 | 67 | 192 | 259 | 801 |
| 2015 7-Month Total | 77 | -1 | 280 | 56 | 31 | (s) | 4 | 10 | 40 | 1 | 66 | 207 | 296 | 859 |

^a Metric tons of carbon dioxide can be converted to metric tons of carbon equivalent by multiplying by 12/44.

^b Natural gas, excluding supplemental gaseous fuels.

^c Distillate fuel oil, excluding biodiesel.

^d Hydrocarbon gas liquids.

^e Finished motor gasoline, excluding fuel ethanol.

^f Aviation gasoline blending components, crude oil, motor gasoline blending components, petrochemical feedstocks, special naphthas, still gas, unfinished oils, waxes, and miscellaneous petroleum products.

^g Emissions from energy consumption (for electricity and a small amount of useful thermal output) in the electric power sector are allocated to the end-use sectors in proportion to each sector's share of total electricity retail sales. See Tables 7.6 and 12.6.

^h Excludes emissions from biomass energy consumption. See Table 12.7.

R=Revised. (s)=Less than 0.5 million metric tons and greater than -0.5 million metric tons.

Notes: • Data are estimates for carbon dioxide emissions from energy consumption, including the nonfuel use of fossil fuels. See "Section 12 Methodology and Sources" at end of section. • See "Carbon Dioxide" in Glossary. • See Note 1, "Emissions of Carbon Dioxide and Other Greenhouse Gases," at end of section. • Data exclude emissions from biomass energy consumption. See Table 12.7 and Note 2, "Accounting for Carbon Dioxide Emissions From Biomass Energy Combustion," 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/#environment> (Excel and CSV files) for all available annual and monthly data beginning in 1973.

Sources: See end of section.