

Table 11.2 Carbon Dioxide Emissions From Energy Consumption: Residential Sector
(Million Metric Tons of Carbon Dioxide^a)

| | Coal | Natural Gas ^b | Petroleum | | | | Electricity ^e | Total ^f |
|----------------------------------|------|--------------------------|----------------------------------|------------------|----------|-------|--------------------------|--------------------|
| | | | Distillate Fuel Oil ^c | HGL ^d | Kerosene | Total | | |
| 1973 Total | 9 | 264 | 148 | 36 | 17 | 201 | 435 | 908 |
| 1975 Total | 6 | 266 | 134 | 32 | 12 | 178 | 419 | 869 |
| 1980 Total | 3 | 256 | 97 | 20 | 8 | 125 | 531 | 915 |
| 1985 Total | 4 | 240 | 81 | 20 | 12 | 112 | 557 | 914 |
| 1990 Total | 3 | 238 | 72 | 22 | 5 | 99 | 622 | 962 |
| 1995 Total | 2 | 263 | 67 | 25 | 5 | 97 | 677 | 1,039 |
| 2000 Total | 1 | 271 | 68 | 35 | 7 | 109 | 804 | 1,185 |
| 2005 Total | 1 | 262 | 64 | 32 | 6 | 102 | 895 | 1,261 |
| 2010 Total | NA | 259 | 42 | 33 | 2 | 77 | 874 | 1,210 |
| 2011 Total | NA | 255 | 39 | 31 | 1 | 71 | 823 | 1,149 |
| 2012 Total | NA | 225 | 36 | 25 | 1 | 61 | 757 | 1,043 |
| 2013 Total | NA | 266 | 36 | 29 | 1 | 66 | 767 | 1,100 |
| 2014 Total | NA | 278 | 40 | 31 | 1 | 71 | 766 | 1,115 |
| 2015 Total | NA | 253 | 41 | 28 | 1 | 70 | 714 | 1,037 |
| 2016 Total | NA | 238 | 32 | 27 | 1 | 60 | 683 | 981 |
| 2017 Total | NA | 241 | 32 | 27 | 1 | 60 | 645 | 946 |
| 2018 Total | NA | 274 | 38 | 32 | 1 | 70 | 672 | 1,016 |
| 2019 Total | NA | 276 | 35 | 35 | 1 | 71 | 611 | 958 |
| 2020 Total | NA | 256 | 30 | 31 | 1 | 62 | 571 | 890 |
| 2021 Total | NA | 259 | 35 | 30 | 1 | 66 | 600 | 925 |
| 2022 January | NA | R 52 | 5 | 5 | (s) | 11 | 59 | 123 |
| February | NA | 43 | 6 | 4 | (s) | 10 | 48 | 102 |
| March | NA | 32 | 4 | 3 | (s) | 8 | 39 | 79 |
| April | NA | 21 | 3 | 3 | (s) | 5 | 34 | 60 |
| May | NA | 11 | 2 | 2 | (s) | 4 | 41 | 56 |
| June | NA | 7 | 2 | 1 | (s) | 3 | 55 | 65 |
| July | NA | 6 | 1 | 1 | (s) | 2 | 71 | 79 |
| August | NA | 6 | 1 | 1 | (s) | 2 | 68 | 75 |
| September | NA | 6 | 2 | 1 | (s) | 3 | 50 | 59 |
| October | NA | 13 | 3 | 2 | (s) | 5 | 37 | 55 |
| November | NA | 28 | 3 | 3 | (s) | 6 | 39 | 73 |
| December | NA | 46 | 4 | 5 | (s) | 9 | 54 | 108 |
| Total | NA | 272 | 36 | 32 | 1 | 68 | 591 | 931 |
| 2023 January | NA | 44 | 5 | 5 | (s) | 10 | 48 | R 102 |
| February | NA | 38 | 5 | 4 | (s) | 10 | 37 | 85 |
| March | NA | 35 | 4 | 4 | (s) | 8 | 38 | 80 |
| April | NA | 19 | 3 | 2 | (s) | 5 | 31 | 54 |
| May | NA | 11 | 2 | 2 | (s) | 4 | 34 | 49 |
| June | NA | 7 | 2 | 1 | (s) | 3 | R 46 | 57 |
| July | NA | 6 | 1 | 1 | (s) | 2 | 67 | 75 |
| August | NA | 6 | 1 | 1 | (s) | 2 | 66 | 74 |
| September | NA | 6 | 2 | 1 | (s) | 3 | 49 | 59 |
| October | NA | R 12 | 3 | 2 | (s) | 5 | 37 | 54 |
| November | NA | 27 | 3 | 3 | (s) | 6 | 37 | 71 |
| December | NA | 36 | 4 | 4 | (s) | 8 | 44 | 88 |
| Total | NA | 247 | 35 | 30 | 1 | 66 | 532 | 845 |
| 2024 January | NA | 50 | 5 | 5 | (s) | 10 | 59 | 119 |
| February | NA | 35 | 5 | 4 | (s) | 9 | 38 | 82 |
| March | NA | 28 | 4 | 3 | (s) | 7 | 32 | 67 |
| April | NA | 17 | 2 | 2 | (s) | 5 | 29 | 52 |
| May | NA | 9 | 2 | 1 | (s) | 4 | 37 | 50 |
| June | NA | 7 | 2 | 1 | (s) | 3 | 52 | 61 |
| July | NA | 6 | 1 | 1 | (s) | 2 | 66 | 74 |
| August | NA | 6 | 1 | 1 | (s) | 2 | 63 | 71 |
| September | NA | 6 | 2 | 1 | (s) | 3 | 47 | 56 |
| October | NA | 11 | 2 | 2 | (s) | 4 | 37 | 52 |
| 10-Month Total | NA | 176 | 27 | 22 | 1 | 49 | 460 | 685 |
| 2023 10-Month Total | NA | 184 | 28 | 22 | 1 | 51 | 453 | 688 |
| 2022 10-Month Total | NA | 198 | 28 | 24 | 1 | 53 | 502 | 752 |

^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 and renewable diesel fuel.

^d Hydrocarbon gas liquids.

^e 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 sales to ultimate customers. See Tables 7.6 and 11.6.

^f Through 2011, excludes emissions from biomass energy consumption. Beginning in 2012, excludes emissions from biomass energy consumption except small amounts of emissions from "other biofuels." See "Biomass" and "Other Biofuels" in Glossary. See Table 11.7 for energy-related carbon dioxide emissions from wood, biomass waste, fuel ethanol (minus denaturant), and biodiesel.

R=Revised. NA=Not available. (s)=Less than 0.5 million metric tons.

Notes: • Data are estimates for carbon dioxide emissions from energy consumption. See "Section 11 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. • Through 2011, data exclude emissions from biomass energy consumption; beginning in 2012, data exclude emissions from biomass energy consumption except small amounts of emissions from "other biofuels." See "Biomass" and "Other Biofuels" in Glossary. See Table 11.7 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.