

Table CO2.T1. Total CO2 emissions estimates from energy consumption by source, 1960-2023, United States
(million metric tons of carbon dioxide (CO2))

Year	Coal ^a	Natural gas ^b	Petroleum ^c	Total ^a
1960	925.7	646.5	1,343.1	2,915.3
1965	1,090.4	824.1	1,554.9	3,469.4
1970	1,155.6	1,133.9	1,970.9	4,260.4
1975	1,194.0	1,044.6	2,188.6	4,427.2
1980	1,462.4	1,058.2	2,242.9	4,763.5
1985	1,663.1	927.1	2,022.1	4,612.3
1990	1,819.4	1,027.1	2,183.3	5,029.8
1995	1,906.7	1,187.6	2,214.8	5,309.0
1996	1,992.3	1,209.9	2,304.3	5,506.5
1997	2,033.7	1,221.4	2,324.5	5,579.7
1998	2,049.2	1,195.7	2,369.3	5,614.1
1999	2,051.2	1,198.8	2,428.6	5,678.5
2000	2,146.9	1,246.6	2,475.4	5,868.9
2001	2,083.6	1,190.7	2,485.4	5,759.8
2002	2,086.1	1,231.8	2,476.8	5,794.7
2003	2,128.9	1,200.0	2,539.8	5,868.8
2004	2,142.5	1,206.3	2,616.8	5,965.6
2005	2,175.4	1,187.2	2,627.1	5,989.7
2006	2,139.3	1,169.1	2,600.9	5,909.3
2007	2,168.1	1,243.3	2,586.9	5,998.4
2008	2,134.1	1,252.1	2,417.9	5,804.1
2009	1,878.0	1,231.6	2,281.9	5,391.5
2010	1,986.3	1,292.4	2,303.2	5,581.9
2011	1,875.2	1,313.2	2,254.3	5,442.7
2012	1,657.9	1,371.4	2,194.2	5,223.5
2013	1,720.0	1,407.9	2,220.3	5,348.2
2014	1,715.8	1,437.6	2,250.8	5,404.2
2015	1,484.0	1,470.9	2,289.2	5,244.1
2016	1,357.6	1,481.8	2,311.5	5,150.9
2017	1,321.5	1,463.5	2,330.7	5,115.7
2018	1,265.5	1,626.5	2,376.5	5,268.5
2019	1,080.0	1,683.0	2,373.1	5,136.1
2020	877.9	1,652.6	2,042.8	4,573.3
2021	1,008.6	1,654.1	2,234.2	4,896.9
2022	945.3	1,742.3	2,249.9	4,937.5
2023	780.9	1,755.2	2,249.5	4,785.6

^a U.S. total includes industrial net imports of coal coke not allocated to the states.

^b Excludes supplemental gaseous fuels.

^c Excludes biofuels.

— = No consumption. Where shown, R = Revised data and (s) = Value less than 0.05.

Notes: • Data are carbon dioxide (CO2) emissions estimates from fossil fuels primary energy consumption for all sectors, excluding renewable energy. • Totals may not equal sum of components

due to independent rounding. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the technical notes for each type of energy.

Web page: All data are available at <https://www.eia.gov/state/seds/seds-data-complete.php>.

Data source: Table by the U.S. Energy Information Administration, State Energy Data System. See technical notes. <https://www.eia.gov/state/seds/>