

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

Year	Coal	Natural gas ^a	Petroleum ^b	Total
1960	11.0	10.2	18.8	40.0
1965	12.0	13.1	19.3	44.4
1970	12.4	18.5	22.6	53.5
1975	12.5	18.3	24.4	55.2
1980	22.3	14.1	22.8	59.2
1985	25.6	10.0	20.6	56.2
1990	31.8	9.0	20.4	61.3
1995	35.4	11.0	22.8	69.1
1996	36.4	11.7	24.1	72.2
1997	37.2	10.9	23.7	71.8
1998	40.4	9.6	24.6	74.6
1999	41.1	10.5	24.8	76.4
2000	42.4	10.6	24.7	77.8
2001	42.2	10.1	24.2	76.6
2002	42.1	10.2	24.9	77.1
2003	42.4	10.4	24.4	77.2
2004	42.3	10.4	25.8	78.5
2005	41.0	11.1	26.3	78.4
2006	41.5	10.9	27.1	79.5
2007	44.3	13.8	27.2	85.3
2008	46.3	15.6	26.8	88.6
2009	42.4	14.9	26.3	83.5
2010	47.1	14.6	26.8	88.5
2011	44.2	14.5	26.8	85.5
2012	40.3	13.9	25.3	79.5
2013	38.4	16.0	26.2	80.7
2014	38.3	16.3	27.0	81.6
2015	33.3	15.7	26.4	75.3
2016	28.5	16.4	27.0	71.9
2017	28.7	19.4	25.7	73.8
2018	31.2	22.3	26.4	79.8
2019	25.5	22.4	27.1	75.0
2020	17.5	20.5	25.2	63.3
2021	25.3	19.8	25.9	71.1
2022	21.8	22.5	27.2	71.5
2023	19.3	23.1	25.7	68.0

^a Excludes supplemental gaseous fuels.

^b 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. The state data do not account for interstate flow of electricity and represent CO2 emissions in the state where fossil fuels are burned to generate electricity, although the electricity might be sold to ultimate customers in other states and sectors.

• 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. <http://www.eia.gov/state/seds/>