

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

Year	Coal	Natural gas ^a	Petroleum ^b	Total
1960	61.6	20.1	48.8	130.4
1965	78.3	29.5	54.6	162.4
1970	78.2	43.1	65.6	186.9
1975	70.8	46.9	74.2	191.9
1980	71.7	45.9	61.8	179.4
1985	74.0	37.7	54.7	166.4
1990	74.8	46.1	58.4	179.4
1995	74.6	51.0	62.1	187.7
1996	75.5	53.5	64.1	193.1
1997	74.1	51.9	64.7	190.7
1998	78.5	45.8	65.8	190.0
1999	79.0	49.8	69.1	197.9
2000	76.0	51.1	66.8	193.9
2001	75.1	48.6	65.8	189.4
2002	70.4	51.8	66.5	188.8
2003	71.3	50.1	65.7	187.1
2004	73.8	49.5	65.5	188.8
2005	76.3	48.9	64.8	190.0
2006	73.7	43.1	62.4	179.2
2007	76.3	43.0	62.5	181.8
2008	76.2	42.1	57.2	175.4
2009	70.2	39.6	54.9	164.7
2010	71.4	40.1	56.2	167.6
2011	65.8	41.6	55.1	162.5
2012	59.2	42.4	53.8	155.5
2013	62.7	43.8	57.4	163.9
2014	58.9	46.3	58.6	163.8
2015	58.9	45.7	59.5	164.1
2016	44.9	48.6	60.4	154.0
2017	47.6	47.7	60.0	155.2
2018	48.3	53.1	61.9	163.3
2019	42.7	55.4	60.6	158.7
2020	31.9	52.8	51.7	136.4
2021	41.6	49.9	55.9	147.4
2022	40.4	57.2	56.5	154.1
2023	27.4	58.0	55.7	141.1

^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/>