

Table CO2.T4. Industrial sector CO2 emissions estimates from energy consumption, 1960-2023, Pennsylvania
(million metric tons of carbon dioxide (CO2))

Year	Coal	Natural gas ^a	Petroleum ^b	Total
1960	80.5	11.3	23.4	115.2
1965	96.9	15.2	26.0	138.2
1970	85.6	18.0	24.1	127.7
1975	68.1	13.8	22.8	104.8
1980	52.5	17.6	17.4	87.5
1985	33.0	12.2	10.4	55.7
1990	35.5	12.9	14.3	62.7
1995	36.3	13.4	11.2	60.9
1996	36.8	13.0	10.5	60.4
1997	36.1	12.7	11.2	60.0
1998	26.4	12.3	10.9	49.6
1999	25.1	12.5	11.4	49.0
2000	25.8	12.5	11.0	49.3
2001	24.7	11.0	12.3	48.0
2002	24.6	11.3	11.4	47.3
2003	25.2	10.8	12.3	48.3
2004	25.1	10.8	12.6	48.5
2005	23.0	10.2	13.2	46.4
2006	22.3	10.5	13.8	46.6
2007	21.6	10.5	13.7	45.8
2008	21.1	10.6	13.2	44.9
2009	13.7	10.0	11.4	35.1
2010	17.2	11.8	11.1	40.1
2011	16.6	13.3	10.7	40.6
2012	17.1	15.2	9.8	42.2
2013	20.0	18.5	11.0	49.4
2014	20.5	21.7	11.4	53.6
2015	19.2	20.6	11.0	50.8
2016	14.8	21.2	9.9	46.0
2017	15.4	22.0	10.6	48.0
2018	16.2	24.1	10.3	50.6
2019	15.7	26.2	8.6	50.5
2020	10.9	24.9	6.3	42.1
2021	15.2	27.2	7.0	49.4
2022	15.4	27.5	7.7	50.7
2023	14.3	26.8	7.7	48.8

^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, 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 industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. • 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/>