

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

Year	Coal	Natural gas ^a	Petroleum ^b	Total
1960	143.2	28.3	78.3	249.7
1965	163.4	34.1	86.4	284.0
1970	158.6	41.7	106.7	307.0
1975	154.1	35.1	102.3	291.5
1980	153.6	41.3	99.7	294.6
1985	132.9	33.9	84.4	251.2
1990	139.0	35.7	89.9	264.5
1995	140.1	39.9	89.8	269.8
1996	145.7	40.4	89.1	275.3
1997	148.2	38.3	90.5	276.9
1998	138.8	34.9	92.6	266.3
1999	134.1	37.4	93.4	264.9
2000	143.0	38.2	97.4	278.6
2001	132.0	35.1	98.1	265.2
2002	138.2	36.8	96.9	271.9
2003	138.8	37.8	99.8	276.3
2004	140.0	38.1	101.1	279.2
2005	141.7	37.9	102.0	281.6
2006	142.5	36.1	97.2	275.8
2007	141.8	41.1	95.9	278.7
2008	135.1	41.0	94.0	270.1
2009	116.5	44.3	84.4	245.2
2010	124.6	47.9	83.5	256.1
2011	115.3	52.8	81.6	249.6
2012	103.8	56.9	79.0	239.7
2013	106.8	61.8	80.7	249.3
2014	98.5	68.5	82.2	249.2
2015	83.4	68.6	80.5	232.4
2016	69.7	70.8	76.8	217.3
2017	63.5	73.4	77.8	214.7
2018	61.0	79.2	79.4	219.6
2019	53.8	87.8	76.7	218.3
2020	35.4	93.3	64.0	192.8
2021	45.9	97.7	70.3	213.9
2022	41.1	101.3	71.4	213.8
2023	28.9	101.4	70.6	200.9

^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/>