

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

Year	Coal	Natural gas <sup>a</sup>	Petroleum <sup>b</sup>	Total
1960	2.9	1.4	6.7	11.0
1965	2.4	1.7	7.2	11.3
1970	5.5	1.8	7.5	14.7
1975	6.5	1.9	7.8	16.2
1980	15.5	1.3	8.6	25.4
1985	28.7	1.3	8.0	38.0
1990	35.6	1.5	7.6	44.6
1995	37.9	2.2	7.7	47.8
1996	38.3	2.4	7.9	48.6
1997	36.6	2.8	7.9	47.3
1998	38.9	2.4	7.3	48.5
1999	39.1	2.8	7.7	49.5
2000	40.4	2.8	7.8	51.0
2001	39.9	3.0	8.7	51.6
2002	40.2	3.2	8.1	51.5
2003	40.1	2.9	8.3	51.3
2004	37.9	3.0	8.9	49.8
2005	41.1	2.6	9.0	52.7
2006	39.5	2.6	8.8	51.0
2007	40.1	3.0	9.6	52.7
2008	40.5	3.2	9.5	53.1
2009	40.3	2.7	8.5	51.6
2010	39.1	3.4	10.1	52.5
2011	37.6	3.8	12.5	54.0
2012	38.8	3.8	13.8	56.3
2013	37.5	4.3	15.0	56.9
2014	38.1	4.7	16.1	58.9
2015	39.0	5.2	13.3	57.5
2016	37.7	5.5	11.3	54.5
2017	38.0	5.8	12.6	56.4
2018	39.0	6.7	13.1	58.8
2019	35.6	8.2	13.0	56.7
2020	34.8	9.4	11.3	55.5
2021	34.7	9.9	11.6	56.2
2022	35.4	10.3	11.7	57.4
2023	31.2	11.4	11.7	54.3

<sup>a</sup> Excludes supplemental gaseous fuels.

<sup>b</sup> 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/>

**Table CO2.T2. Residential sector CO2 emissions estimates from energy consumption, 1960-2023, North Dakota**  
(million metric tons of carbon dioxide (CO2))

Year	Coal <sup>a</sup>	Natural gas <sup>b</sup>	Petroleum <sup>c</sup>	Total
1960	0.5	0.2	0.9	1.6
1965	0.3	0.3	0.7	1.4
1970	0.1	0.4	0.9	1.4
1975	0.1	0.5	0.6	1.2
1980	(s)	0.5	0.6	1.2
1985	0.1	0.5	0.5	1.1
1990	(s)	0.4	0.6	1.0
1995	(s)	0.5	0.5	1.0
1996	(s)	0.6	0.6	1.2
1997	(s)	0.6	0.6	1.2
1998	(s)	0.5	0.5	1.0
1999	(s)	0.5	0.6	1.1
2000	(s)	0.5	0.7	1.2
2001	(s)	0.5	0.7	1.2
2002	(s)	0.5	0.6	1.2
2003	(s)	0.5	0.7	1.2
2004	(s)	0.5	0.7	1.3
2005	(s)	0.5	0.6	1.2
2006	(s)	0.4	0.5	1.0
2007	(s)	0.5	0.5	1.1
2008	—	0.6	0.7	1.2
2009	—	0.6	0.5	1.1
2010	—	0.5	0.5	1.0
2011	—	0.6	0.5	1.0
2012	—	0.5	0.4	0.9
2013	—	0.6	0.4	1.1
2014	—	0.7	0.5	1.1
2015	—	0.6	0.4	1.0
2016	—	0.5	0.4	0.9
2017	—	0.6	0.4	1.0
2018	—	0.7	0.5	1.1
2019	—	0.7	0.6	1.3
2020	—	0.6	0.4	1.0
2021	—	0.6	0.5	1.0
2022	—	0.7	0.5	1.2
2023	—	0.7	0.5	1.2

<sup>a</sup> Beginning in 2008, consumption data not collected and assumed to be zero.

<sup>b</sup> Excludes supplemental gaseous fuels.

<sup>c</sup> 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 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/>

**Table CO2.T3. Commercial sector CO2 emissions estimates from energy consumption, 1960-2023, North Dakota**  
(million metric tons of carbon dioxide (CO2))

Year	Coal	Natural gas <sup>a</sup>	Petroleum <sup>b</sup>	Total
1960	0.3	0.2	0.2	0.7
1965	0.2	0.3	0.3	0.8
1970	0.1	0.5	0.3	0.8
1975	0.1	0.7	0.4	1.2
1980	0.1	0.6	0.5	1.3
1985	0.2	0.5	0.3	0.9
1990	0.1	0.4	0.1	0.7
1995	0.1	0.5	0.1	0.8
1996	0.2	0.6	0.1	0.9
1997	0.2	0.5	0.2	0.9
1998	0.1	0.5	0.2	0.8
1999	0.2	0.5	0.2	0.8
2000	0.2	0.5	0.2	0.9
2001	0.2	0.5	0.2	0.9
2002	0.2	0.5	0.2	0.9
2003	0.2	0.5	0.2	0.9
2004	0.4	0.5	0.1	1.0
2005	0.4	0.5	0.2	1.0
2006	0.2	0.4	0.2	0.8
2007	0.4	0.5	0.2	1.0
2008	0.2	0.5	0.2	0.9
2009	0.2	0.5	0.2	0.9
2010	0.1	0.5	0.3	0.9
2011	0.1	0.6	0.6	1.3
2012	0.1	0.5	0.5	1.2
2013	0.1	0.7	0.7	1.5
2014	0.1	0.7	0.7	1.5
2015	0.1	0.7	0.3	1.1
2016	0.1	0.6	0.3	1.0
2017	0.1	0.7	0.3	1.1
2018	0.1	0.8	0.3	1.1
2019	0.1	0.8	0.3	1.2
2020	0.1	0.8	0.4	1.2
2021	(s)	0.7	0.4	1.2
2022	(s)	0.9	0.4	1.4
2023	(s)	0.9	0.4	1.3

<sup>a</sup> Excludes supplemental gaseous fuels.

<sup>b</sup> 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 commercial sector includes commercial combined-heat-and-power (CHP) and commercial 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/>

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

Year	Coal	Natural gas <sup>a</sup>	Petroleum <sup>b</sup>	Total
1960	0.7	1.0	2.6	4.4
1965	0.6	1.1	2.8	4.5
1970	0.7	0.8	2.5	4.0
1975	0.7	0.7	2.3	3.7
1980	0.7	0.1	2.3	3.1
1985	6.7	0.4	2.3	9.3
1990	8.2	0.5	2.3	11.0
1995	9.4	0.9	2.2	12.5
1996	8.5	1.0	2.2	11.6
1997	8.1	1.4	2.0	11.5
1998	8.4	1.4	1.9	11.6
1999	8.3	1.3	1.8	11.4
2000	9.0	1.2	2.0	12.1
2001	8.8	1.3	2.5	12.5
2002	8.6	1.4	2.0	12.1
2003	8.9	1.1	2.1	12.1
2004	7.9	1.2	2.4	11.6
2005	8.7	0.9	2.6	12.3
2006	9.0	1.0	2.6	12.6
2007	8.7	1.2	2.6	12.5
2008	8.7	1.4	2.9	13.0
2009	8.9	1.1	2.4	12.5
2010	9.1	1.6	3.4	14.0
2011	8.8	1.9	4.5	15.2
2012	8.9	1.9	4.9	15.8
2013	8.4	2.1	5.6	16.1
2014	8.9	2.3	6.1	17.3
2015	9.1	2.8	4.3	16.3
2016	9.0	2.9	3.4	15.2
2017	9.0	3.1	4.3	16.4
2018	9.1	3.6	4.4	17.1
2019	8.0	4.1	4.3	16.4
2020	8.2	5.6	3.6	17.5
2021	8.1	5.7	4.0	17.8
2022	8.1	6.0	4.0	18.1
2023	6.6	6.3	3.9	16.8

<sup>a</sup> Excludes supplemental gaseous fuels.

<sup>b</sup> 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/>

**Table CO2.T5. Transportation sector CO2 emissions estimates from energy consumption, 1960-2023, North Dakota**  
(million metric tons of carbon dioxide (CO2))

Year	Coal <sup>a</sup>	Natural gas <sup>b</sup>	Petroleum <sup>c</sup>	Total
1960	(s)	(s)	2.9	2.9
1965	(s)	(s)	3.3	3.4
1970	(s)	(s)	3.9	3.9
1975	(s)	(s)	4.5	4.5
1980	—	(s)	5.2	5.2
1985	—	(s)	4.8	4.9
1990	—	0.1	4.5	4.6
1995	—	0.3	4.8	5.1
1996	—	0.3	4.9	5.2
1997	—	0.3	5.0	5.3
1998	—	(s)	4.7	4.7
1999	—	0.5	5.1	5.6
2000	—	0.6	5.0	5.6
2001	—	0.7	5.3	6.0
2002	—	0.8	5.2	6.0
2003	—	0.8	5.4	6.1
2004	—	0.8	5.6	6.3
2005	—	0.7	5.5	6.2
2006	—	0.7	5.5	6.2
2007	—	0.7	6.3	7.1
2008	—	0.6	5.6	6.3
2009	—	0.5	5.4	5.9
2010	—	0.8	5.9	6.7
2011	—	0.8	7.0	7.8
2012	—	0.9	7.9	8.8
2013	—	0.8	8.3	9.1
2014	—	0.9	8.9	9.8
2015	—	0.8	8.3	9.1
2016	—	0.8	7.3	8.1
2017	—	1.1	7.6	8.6
2018	—	1.2	8.0	9.2
2019	—	1.7	7.8	9.5
2020	—	1.6	6.8	8.4
2021	—	2.0	6.7	8.8
2022	—	2.0	6.8	8.8
2023	—	2.0	6.8	8.9

<sup>a</sup> Beginning in 1978, consumption data not collected and assumed to be zero.

<sup>b</sup> Transportation use of natural gas to operate pipelines and as vehicle fuel. Excludes supplemental gaseous fuels.

<sup>c</sup> 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 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/>

**Table CO2.T6. Electric power sector CO2 emissions estimates from energy consumption, 1960-2023, North Dakota**  
(million metric tons of carbon dioxide (CO2))

Year	Coal	Natural gas <sup>a</sup>	Petroleum <sup>b</sup>	Total
1960	1.3	(s)	(s)	1.3
1965	1.3	(s)	(s)	1.3
1970	4.6	(s)	(s)	4.6
1975	5.6	(s)	(s)	5.6
1980	14.6	(s)	(s)	14.7
1985	21.7	(s)	(s)	21.7
1990	27.2	(s)	(s)	27.3
1995	28.4	(s)	(s)	28.4
1996	29.6	(s)	0.1	29.7
1997	28.3	(s)	0.1	28.4
1998	30.3	—	(s)	30.3
1999	30.6	—	(s)	30.6
2000	31.2	—	(s)	31.2
2001	30.9	(s)	(s)	30.9
2002	31.3	(s)	(s)	31.4
2003	30.9	(s)	(s)	30.9
2004	29.6	(s)	(s)	29.6
2005	31.9	(s)	(s)	32.0
2006	30.3	(s)	(s)	30.4
2007	31.0	(s)	(s)	31.0
2008	31.6	(s)	(s)	31.7
2009	31.3	(s)	(s)	31.3
2010	29.8	(s)	(s)	29.9
2011	28.7	(s)	(s)	28.7
2012	29.7	(s)	(s)	29.7
2013	29.0	(s)	(s)	29.0
2014	29.1	0.1	(s)	29.2
2015	29.7	0.3	(s)	30.1
2016	28.6	0.6	(s)	29.2
2017	28.9	0.4	(s)	29.3
2018	29.8	0.5	(s)	30.3
2019	27.5	0.8	(s)	28.3
2020	26.5	0.8	(s)	27.4
2021	26.5	0.8	(s)	27.4
2022	27.2	0.7	(s)	27.9
2023	24.6	1.5	(s)	26.1

<sup>a</sup> Excludes supplemental gaseous fuels.

<sup>b</sup> 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 electric power sector

consists of electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. • 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>.

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