

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

Year	Coal	Natural gas <sup>a</sup>	Petroleum <sup>b</sup>	Total
1960	0.4	3.0	7.3	10.7
1965	0.5	3.7	7.5	11.7
1970	1.1	4.7	8.5	14.3
1975	1.8	4.2	10.8	16.8
1980	5.7	3.2	11.3	20.2
1985	9.4	2.5	10.2	22.1
1990	16.1	2.3	9.5	27.9
1995	16.7	3.1	10.9	30.7
1996	13.2	3.3	11.4	27.9
1997	15.4	3.2	11.2	29.9
1998	17.7	3.2	11.1	32.0
1999	17.8	3.3	11.7	32.8
2000	16.8	3.6	11.3	31.7
2001	17.6	3.5	11.0	32.0
2002	15.9	3.7	11.3	30.9
2003	18.1	3.7	11.4	33.1
2004	18.7	3.6	12.5	34.8
2005	19.1	3.7	13.0	35.8
2006	18.5	3.9	13.5	36.0
2007	19.3	3.9	14.7	38.0
2008	19.4	4.1	13.7	37.2
2009	16.5	4.0	12.6	33.1
2010	19.4	3.8	11.7	35.0
2011	15.8	4.2	12.0	32.1
2012	15.0	4.0	11.8	30.8
2013	15.9	4.3	11.9	32.1
2014	16.7	4.2	11.6	32.6
2015	17.1	4.0	11.4	32.5
2016	15.5	4.1	11.6	31.1
2017	14.9	4.3	12.0	31.2
2018	14.6	4.7	11.9	31.2
2019	15.2	4.8	12.2	32.3
2020	9.5	4.6	12.2	26.2
2021	11.8	4.5	12.1	28.4
2022	12.6	4.9	12.1	29.6
2023	12.5	5.1	11.9	29.4

<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, Montana**  
(million metric tons of carbon dioxide (CO2))

Year	Coal <sup>a</sup>	Natural gas <sup>b</sup>	Petroleum <sup>c</sup>	Total
1960	(s)	0.9	0.2	1.2
1965	(s)	1.1	0.3	1.4
1970	(s)	1.4	0.3	1.7
1975	(s)	1.3	0.5	1.8
1980	(s)	1.0	0.4	1.4
1985	(s)	1.0	0.3	1.3
1990	(s)	0.9	0.3	1.3
1995	(s)	1.1	0.2	1.3
1996	(s)	1.2	0.3	1.5
1997	(s)	1.1	0.3	1.5
1998	(s)	1.0	0.2	1.2
1999	(s)	1.1	0.2	1.2
2000	(s)	1.1	0.3	1.4
2001	(s)	1.1	0.3	1.4
2002	(s)	1.2	0.3	1.5
2003	(s)	1.1	0.4	1.5
2004	(s)	1.1	0.5	1.6
2005	(s)	1.1	0.5	1.6
2006	(s)	1.0	0.5	1.6
2007	(s)	1.1	0.6	1.6
2008	—	1.2	0.6	1.8
2009	—	1.2	0.6	1.8
2010	—	1.1	0.5	1.6
2011	—	1.2	0.5	1.7
2012	—	1.0	0.4	1.5
2013	—	1.1	0.4	1.6
2014	—	1.2	0.5	1.6
2015	—	1.0	0.5	1.5
2016	—	1.0	0.4	1.5
2017	—	1.2	0.5	1.7
2018	—	1.2	0.5	1.7
2019	—	1.3	0.6	2.0
2020	—	1.2	0.6	1.8
2021	—	1.2	0.5	1.7
2022	—	1.3	0.7	2.0
2023	—	1.2	0.5	1.8

<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, Montana**  
(million metric tons of carbon dioxide (CO2))

Year	Coal	Natural gas <sup>a</sup>	Petroleum <sup>b</sup>	Total
1960	(s)	0.7	0.4	1.1
1965	(s)	0.7	0.3	1.1
1970	(s)	1.0	0.3	1.3
1975	(s)	1.0	0.4	1.4
1980	(s)	0.8	0.2	1.0
1985	(s)	0.8	0.5	1.2
1990	0.1	0.7	0.1	0.9
1995	(s)	0.7	0.1	0.8
1996	(s)	0.8	0.1	1.0
1997	0.1	0.8	0.1	1.0
1998	(s)	0.7	0.1	0.8
1999	(s)	0.7	0.1	0.7
2000	(s)	0.7	0.1	0.9
2001	(s)	0.7	0.1	0.9
2002	(s)	0.8	0.1	0.9
2003	(s)	0.8	0.2	1.0
2004	0.2	0.7	0.2	1.1
2005	0.2	0.7	0.2	1.1
2006	0.2	0.7	0.2	1.1
2007	(s)	0.7	0.2	0.9
2008	(s)	0.8	0.2	1.0
2009	(s)	1.3	0.1	1.4
2010	(s)	1.1	0.1	1.2
2011	(s)	1.2	0.1	1.4
2012	(s)	1.0	0.1	1.2
2013	(s)	1.1	0.1	1.3
2014	(s)	1.2	0.1	1.3
2015	(s)	1.1	0.2	1.2
2016	(s)	1.2	0.2	1.4
2017	(s)	1.3	0.2	1.5
2018	(s)	1.5	0.2	1.7
2019	(s)	1.5	0.2	1.7
2020	(s)	1.5	0.2	1.7
2021	(s)	1.4	0.2	1.6
2022	(s)	1.5	0.3	1.8
2023	(s)	1.5	0.3	1.8

<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 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, Montana**  
(million metric tons of carbon dioxide (CO2))

Year	Coal	Natural gas <sup>a</sup>	Petroleum <sup>b</sup>	Total
1960	0.1	1.4	2.5	4.0
1965	0.1	1.8	2.8	4.7
1970	0.1	2.2	3.0	5.3
1975	0.1	1.8	4.1	6.0
1980	0.3	1.0	4.5	5.8
1985	0.4	0.5	3.8	4.7
1990	0.4	0.6	3.3	4.3
1995	1.1	1.1	3.1	5.2
1996	0.2	1.1	3.6	4.9
1997	0.2	1.1	3.2	4.5
1998	0.2	1.2	3.3	4.8
1999	0.3	1.3	3.6	5.1
2000	0.3	1.4	2.9	4.6
2001	0.2	1.3	2.5	4.0
2002	0.1	1.3	3.0	4.4
2003	0.1	1.3	3.2	4.6
2004	0.1	1.3	3.6	5.0
2005	0.1	1.5	3.7	5.3
2006	0.1	1.7	3.9	5.8
2007	0.2	1.7	4.7	6.6
2008	0.1	1.7	4.4	6.2
2009	0.1	1.3	3.5	4.9
2010	0.1	1.2	2.7	3.9
2011	0.1	1.2	2.8	4.1
2012	0.4	1.2	2.9	4.5
2013	0.4	1.3	2.9	4.6
2014	0.5	1.3	2.8	4.6
2015	0.5	1.3	2.6	4.4
2016	0.4	1.3	2.5	4.3
2017	0.4	1.4	2.6	4.5
2018	0.4	1.5	2.6	4.6
2019	0.3	1.5	2.8	4.7
2020	0.3	1.5	2.8	4.6
2021	0.4	1.5	2.6	4.5
2022	0.4	1.5	2.6	4.5
2023	0.3	1.6	2.5	4.4

<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, Montana**  
(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)	4.1	4.2
1965	(s)	(s)	4.1	4.1
1970	(s)	(s)	4.8	4.9
1975	(s)	0.1	5.8	5.8
1980	—	0.2	6.2	6.3
1985	—	0.1	5.7	5.8
1990	—	0.1	5.7	5.8
1995	—	0.2	6.8	7.0
1996	—	0.2	6.7	6.9
1997	—	0.2	6.8	7.0
1998	—	0.2	6.8	7.0
1999	—	0.3	7.0	7.3
2000	—	0.4	7.1	7.5
2001	—	0.4	7.2	7.6
2002	—	0.4	7.2	7.6
2003	—	0.5	6.8	7.3
2004	—	0.5	7.4	7.8
2005	—	0.4	7.8	8.3
2006	—	0.4	8.1	8.5
2007	—	0.4	8.5	8.9
2008	—	0.4	7.8	8.2
2009	—	0.3	7.6	7.8
2010	—	0.4	7.7	8.1
2011	—	0.4	7.8	8.2
2012	—	0.4	7.5	7.9
2013	—	0.4	7.7	8.1
2014	—	0.2	7.6	7.8
2015	—	0.2	7.3	7.6
2016	—	0.3	7.7	7.9
2017	—	0.2	7.9	8.1
2018	—	0.2	7.9	8.1
2019	—	0.2	7.8	8.0
2020	—	0.2	7.9	8.1
2021	—	0.2	8.0	8.1
2022	—	0.1	7.8	8.0
2023	—	0.1	7.8	7.9

<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, Montana**  
(million metric tons of carbon dioxide (CO2))

Year	Coal	Natural gas <sup>a</sup>	Petroleum <sup>b</sup>	Total
1960	0.2	(s)	(s)	0.3
1965	0.4	0.1	(s)	0.5
1970	1.1	0.1	(s)	1.2
1975	1.7	0.1	(s)	1.7
1980	5.4	0.2	(s)	5.7
1985	9.0	(s)	(s)	9.1
1990	15.6	(s)	(s)	15.6
1995	15.6	(s)	0.8	16.4
1996	13.0	(s)	0.7	13.7
1997	15.1	(s)	0.7	15.9
1998	17.4	(s)	0.7	18.2
1999	17.5	(s)	0.8	18.3
2000	16.6	(s)	0.9	17.4
2001	17.3	(s)	0.9	18.2
2002	15.7	(s)	0.8	16.5
2003	17.9	(s)	0.7	18.7
2004	18.4	(s)	0.8	19.2
2005	18.7	(s)	0.7	19.5
2006	18.2	(s)	0.8	19.0
2007	19.2	0.1	0.7	20.0
2008	19.2	(s)	0.7	20.0
2009	16.4	(s)	0.8	17.2
2010	19.3	(s)	0.7	20.0
2011	15.7	0.3	0.8	16.7
2012	14.6	0.3	0.8	15.7
2013	15.4	0.4	0.8	16.6
2014	16.3	0.3	0.7	17.3
2015	16.6	0.4	0.9	17.8
2016	15.0	0.3	0.8	16.1
2017	14.5	0.3	0.8	15.6
2018	14.2	0.3	0.7	15.2
2019	14.9	0.3	0.8	15.9
2020	9.1	0.2	0.8	10.1
2021	11.4	0.3	0.8	12.5
2022	12.1	0.4	0.8	13.3
2023	12.1	0.6	0.8	13.5

<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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