

Table CT6. Industrial sector energy consumption estimates, selected years, 1960-2022, Montana

Year	Coal	Natural gas ^a	Petroleum						Hydro-electric power ^{e,f}	Biomass		Geo-thermal ^f	Solar ^{f,i}	Electricity ^j	End use ^{f,k}	Electrical system energy losses ^l	Total ^{f,k}
			Distillate fuel oil	HGL ^b	Motor gasoline ^c	Residual fuel oil	Other ^d	Total		Wood and waste ^{f,g}	Losses and co-products ^h						
													Thousand barrels				
1960	36	26	1,500	112	816	1,684	2,624	6,737	0	--	--	--	NA	2,951	--	--	--
1965	52	34	1,693	164	887	914	3,901	7,559	0	--	--	--	NA	3,939	--	--	--
1970	28	41	1,274	246	635	1,123	5,047	8,324	0	--	--	--	NA	6,029	--	--	--
1975	50	34	2,494	174	774	1,963	4,810	10,215	0	--	--	--	NA	5,160	--	--	--
1980	154	20	1,925	786	619	4,018	4,229	11,577	0	--	--	--	NA	5,815	--	--	--
1985	225	10	5,192	814	677	7	4,022	10,712	0	--	--	--	NA	5,841	--	--	--
1990	220	12	2,778	717	615	207	5,205	9,522	0	--	--	--	(s)	6,529	--	--	--
1995	622	20	2,283	333	646	233	4,936	8,432	0	--	--	--	(s)	6,368	--	--	--
2000	166	26	1,904	227	406	0	6,258	8,795	0	--	--	--	(s)	6,568	--	--	--
2005	89	27	3,519	287	638	106	5,115	9,665	0	--	--	--	(s)	4,784	--	--	--
2006	89	33	3,673	322	694	95	6,137	10,920	0	--	--	--	0	4,735	--	--	--
2007	110	32	4,474	676	501	0	6,667	12,318	0	--	--	--	0	6,163	--	--	--
2008	90	33	4,323	295	359	0	6,081	11,059	0	--	--	--	0	5,831	--	--	--
2009	60	25	3,800	31	357	27	5,596	9,811	0	--	--	--	0	4,773	--	--	--
2010	74	23	2,149	86	295	0	5,484	8,013	0	--	--	--	0	4,239	--	--	--
2011	81	23	2,372	132	296	0	5,886	8,686	0	--	--	--	0	3,983	--	--	--
2012	238	23	2,568	53	274	0	5,850	8,745	0	--	--	--	0	4,168	--	--	--
2013	262	24	2,591	83	290	(s)	5,504	8,469	0	--	--	--	0	4,229	--	--	--
2014	281	25	2,416	90	284	0	5,210	8,000	0	--	--	--	0	4,230	--	--	--
2015	279	26	1,658	125	348	0	5,500	7,632	0	--	--	--	0	4,488	--	--	--
2016	261	25	1,418	63	339	0	5,449	7,269	0	--	--	--	0	4,416	--	--	--
2017	252	27	1,448	88	341	0	R 5,728	R 7,605	0	--	--	--	0	4,515	--	--	--
2018	235	29	1,543	97	347	0	R 5,489	R 7,477	0	--	--	--	0	4,720	--	--	--
2019	197	28	1,854	147	342	0	R 5,594	R 7,938	0	--	--	--	0	5,057	--	--	--
2020	201	28	1,746	76	346	0	R 5,625	R 7,793	0	--	--	--	0	4,502	--	--	--
2021	232	28	1,567	121	336	0	R 5,526	R 7,552	0	--	--	--	0	4,496	--	--	--
2022	250	29	1,584	214	365	0	5,384	7,547	0	--	--	--	(s)	4,670	--	--	--
Trillion Btu																	
1960	0.8	27.0	8.7	0.4	4.3	10.6	16.3	40.3	0.0	2.7	NA	NA	NA	10.1	80.9	R 20.3	R 101.2
1965	1.2	34.3	9.9	0.6	4.7	5.7	24.1	45.0	0.0	3.7	NA	NA	NA	13.4	97.6	R 26.4	R 124.0
1970	0.6	42.5	7.4	0.9	3.3	7.1	31.1	49.8	0.0	3.0	NA	NA	NA	20.6	116.5	R 42.1	R 158.6
1975	1.0	34.6	14.5	0.6	4.1	12.3	29.5	61.0	0.0	3.0	NA	NA	NA	17.6	117.2	R 36.0	R 153.2
1980	2.9	20.3	11.2	2.8	3.3	25.3	26.1	68.6	0.0	8.3	NA	NA	NA	19.8	120.0	R 42.2	R 162.2
1985	4.1	10.3	30.2	2.8	3.6	(s)	25.4	62.1	0.0	9.8	0.1	NA	NA	19.9	106.3	R 40.5	R 146.8
1990	4.0	12.0	16.2	2.5	3.2	1.3	32.3	55.4	0.0	8.9	0.1	(s)	(s)	22.3	102.8	R 31.6	R 134.4
1995	11.2	21.0	13.3	1.2	3.4	1.5	30.6	49.8	0.0	14.4	0.1	(s)	(s)	21.7	118.4	R 33.0	R 151.4
2000	2.7	27.1	11.1	0.8	2.1	0.0	39.1	53.1	0.0	13.1	(s)	0.1	(s)	22.4	118.4	R 34.9	R 153.3
2005	1.3	28.3	20.5	1.0	3.3	0.7	31.2	56.6	0.0	10.8	0.0	0.1	(s)	16.3	113.5	R 26.4	R 139.9
2006	1.3	33.7	21.3	1.1	3.6	0.6	37.8	64.4	0.0	10.9	0.0	0.1	0.0	16.2	126.4	R 25.7	R 152.1
2007	1.6	32.6	25.9	2.3	2.6	0.0	40.3	71.1	0.0	13.1	0.0	0.1	0.0	21.0	139.5	R 33.3	R 172.8
2008	1.4	33.2	25.0	1.0	1.8	0.0	36.8	64.6	0.0	10.8	(s)	0.1	0.0	19.9	130.0	R 31.0	R 161.0
2009	0.9	25.0	22.0	0.1	1.8	0.2	34.8	58.8	0.0	9.1	(s)	0.1	0.0	16.3	110.1	R 24.3	R 134.5
2010	1.1	22.8	12.4	0.3	1.5	0.0	34.2	48.5	0.0	9.7	0.0	0.1	0.0	14.5	96.6	R 21.9	R 118.5
2011	1.2	23.0	13.7	0.5	1.5	0.0	36.8	52.5	0.0	1.5	0.0	0.1	0.0	13.6	91.9	R 17.2	R 109.1
2012	4.2	23.3	14.8	0.2	1.4	0.0	36.6	53.0	0.0	1.4	0.0	0.1	0.0	14.2	96.2	R 18.4	R 114.6
2013	4.5	24.7	14.9	0.3	1.5	(s)	34.3	51.1	0.0	1.3	0.0	0.1	0.0	14.4	96.0	R 20.0	R 116.0
2014	4.9	26.0	13.9	0.3	1.4	0.0	32.6	48.3	0.0	1.6	0.0	0.1	0.0	14.4	95.3	R 19.4	R 114.7
2015	5.0	26.4	9.6	0.5	1.8	0.0	34.3	46.1	0.0	1.7	0.0	0.1	0.0	15.3	94.6	R 21.2	R 115.8
2016	4.7	25.5	8.2	0.2	1.7	0.0	34.8	44.9	0.0	1.7	(s)	0.1	0.0	15.1	91.9	R 19.9	R 111.8
2017	4.5	27.8	8.3	0.3	1.7	0.0	36.5	46.9	0.0	2.1	(s)	0.1	0.0	15.4	96.8	R 19.1	R 116.0
2018	4.3	29.9	8.9	0.4	1.8	0.0	35.0	46.0	0.0	2.1	(s)	0.1	0.0	16.1	98.5	R 20.1	R 118.6
2019	3.5	29.1	10.7	0.6	1.7	0.0	35.5	48.5	0.0	2.1	(s)	0.1	0.0	17.3	100.5	R 23.2	R 123.7
2020	3.6	29.5	10.0	0.3	1.7	0.0	35.7	47.8	0.0	2.1	(s)	0.1	0.0	15.4	98.4	R 16.2	R 114.6
2021	4.2	29.6	9.0	0.5	1.7	0.0	35.2	46.4	0.0	1.9	0.0	0.1	0.0	15.3	97.6	R 18.4	R 115.9
2022	4.5	30.3	9.1	0.8	1.8	0.0	34.4	46.2	0.0	1.9	0.0	0.1	(s)	15.9	98.9	18.7	117.6

^a Includes supplemental gaseous fuels that are commingled with natural gas.^b Hydrocarbon gas liquids, include natural gas liquids and refinery olefins.^c Beginning in 1993, includes fuel ethanol blended into motor gasoline. There is a discontinuity in this time series between 2014 and 2015 because of coverage. See Technical Notes, Section 4.^d Includes asphalt and road oil, kerosene, lubricants, petroleum coke, and the "other petroleum products" category. See Technical Notes, Section 4.^e Conventional hydroelectric power. For 1960 through 1989, includes hydroelectric pumped-storage, which cannot be separately identified.^f There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.^g Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.^h Losses and co-products from the production of biodiesel and fuel ethanol.ⁱ Solar thermal and photovoltaic energy. Excludes a small amount of solar thermal energy consumed as heat that is included in the residential sector.^j Electricity sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers.^k Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and

the other fossil fuels from which they are mostly derived, but should be counted only once in End Use and Total. For 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 2009, includes a small amount of wind energy consumed by industrial utility-scale facilities.

^l Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses. Pre-1990 estimates are not comparable to those for later years. See Section 6 of Technical Notes for an explanation of changes in methodology.

kWh = Kilowatthours. -- = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.

Notes: · 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 the 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: U.S. Energy Information Administration, State Energy Data System. See Technical Notes. <http://www.eia.gov/state/seds/>