

Table CT1. Energy consumption estimates for selected energy sources in physical units, selected years, 1960-2023, Montana

Year			Petroleum								Nuclear electric power	Hydro-electric power ^g	Wind	Fuel ethanol ^h	Biodiesel
	Coal	Natural gas ^a	Distillate fuel oil ^b	HGL ^c	Jet fuel ^d	Motor gasoline ^e	Residual fuel oil	Other ^f	Total						
	Thousand short tons	Billion cubic feet	Thousand barrels												
1960	253	56	4,898	737	265	6,922	2,063	4,234	19,118	0	5,801	0	NA	NA	
1965	370	71	4,962	926	384	7,709	1,241	4,587	19,809	0	8,389	0	NA	NA	
1970	763	88	4,827	1,326	649	9,262	1,268	5,338	22,670	0	8,745	0	NA	NA	
1971	731	88	5,715	1,402	767	9,494	1,262	5,285	23,926	0	9,594	0	NA	NA	
1972	830	84	6,206	1,705	762	10,137	1,469	6,031	26,308	0	9,444	0	NA	NA	
1973	951	90	6,989	1,503	757	10,883	1,765	6,151	28,048	0	7,520	0	NA	NA	
1974	923	80	7,840	1,466	780	10,550	2,262	5,418	28,316	0	9,724	0	NA	NA	
1975	1,149	80	7,586	1,370	818	10,630	2,178	5,105	27,687	0	10,166	0	NA	NA	
1976	2,507	74	8,411	1,421	753	11,605	2,525	5,127	29,843	0	12,402	0	NA	NA	
1977	3,385	71	8,258	1,368	772	11,100	2,506	5,266	29,270	0	8,460	0	NA	NA	
1978	3,390	73	8,232	1,662	699	12,809	2,502	5,095	30,999	0	11,708	0	NA	NA	
1979	3,686	70	9,037	1,094	907	11,162	5,773	4,896	32,869	0	10,344	0	NA	NA	
1980	3,520	61	7,509	1,806	920	10,416	4,025	4,585	29,262	0	9,966	0	NA	NA	
1981	3,622	52	6,469	1,027	800	10,797	2,494	4,099	25,686	0	11,323	0	1	NA	
1982	2,826	52	5,828	1,446	625	10,429	1,608	3,590	23,525	0	10,920	0	24	NA	
1983	2,533	46	8,863	1,497	652	10,525	1,306	3,804	26,648	0	11,561	0	26	NA	
1984	5,283	47	8,161	1,032	642	10,451	798	4,181	25,266	0	11,112	(s)	23	NA	
1985	5,713	47	10,444	1,576	678	10,188	133	4,301	27,320	0	10,175	(s)	15	NA	
1986	7,780	41	6,621	1,505	867	10,158	47	4,843	24,041	0	10,857	(s)	8	NA	
1987	7,730	39	6,223	1,716	718	10,258	23	5,218	24,156	0	8,925	0	6	NA	
1988	10,634	42	6,078	1,515	809	10,441	221	5,448	24,513	0	8,237	0	1	NA	
1989	10,458	46	7,336	1,608	750	10,310	180	5,709	25,893	0	9,571	0	(s)	NA	
1990	9,850	43	7,280	1,740	708	10,328	218	5,518	25,792	0	10,717	0	3	NA	
1991	10,786	45	7,220	1,053	615	10,360	145	4,890	24,284	0	11,970	0	13	NA	
1992	11,300	46	6,836	1,018	864	10,727	88	5,623	25,156	0	8,271	(s)	13	NA	
1993	9,499	53	7,315	2,200	901	10,999	680	5,212	27,308	0	9,614	0	15	NA	
1994	11,357	52	7,381	1,055	855	11,097	369	5,930	26,687	0	8,150	0	0	NA	
1995	10,272	58	8,049	918	1,052	11,328	236	6,428	28,011	0	10,746	0	17	NA	
1996	8,210	61	8,070	1,618	999	11,753	181	7,421	30,041	0	13,795	0	0	NA	
1997	9,653	60	9,037	277	793	11,480	162	6,780	28,528	0	13,406	0	0	NA	
1998	11,046	60	7,863	271	798	11,596	106	7,698	28,333	0	11,118	0	10	NA	
1999	11,074	62	7,921	527	836	11,768	20	9,551	30,624	0	13,822	0	11	NA	
2000	10,554	68	8,069	1,324	747	11,559	1	7,953	29,652	0	9,623	0	13	NA	
2001	11,000	65	8,476	1,400	756	11,640	2	6,090	28,365	0	6,613	0	35	(s)	
2002	9,841	70	8,145	1,502	768	11,871	39	6,948	29,274	0	9,567	0	35	(s)	
2003	11,127	68	7,953	2,151	832	11,846	6	6,046	28,835	0	8,702	0	30	(s)	
2004	11,522	67	9,988	2,384	1,008	11,991	42	6,760	32,173	0	8,856	0	38	(s)	
2005	11,822	68	11,465	2,455	1,112	11,770	106	6,601	33,511	0	9,587	0	261	1	
2006	11,531	74	12,232	2,409	1,045	11,960	125	7,672	35,443	0	10,130	436	311	3	
2007	12,041	74	13,880	2,993	1,026	12,079	0	8,155	38,133	0	9,364	496	525	R 5	
2008	12,113	76	12,869	2,989	832	11,626	0	7,501	35,817	0	10,000	593	660	R 4	
2009	10,221	76	11,531	2,586	792	11,844	59	7,165	33,977	0	9,506	821	762	4	
2010	12,087	72	9,854	2,349	1,126	11,906	1	R 6,790	R 32,026	0	9,415	930	699	3	
2011	9,848	78	10,553	2,530	1,104	11,735	4	R 7,368	R 33,294	0	12,596	1,265	888	R 12	
2012	9,300	73	10,028	2,071	1,123	11,887	(s)	R 7,342	R 32,451	0	11,283	1,262	978	R 11	
2013	9,826	80	10,548	2,003	857	12,144	1	R 6,978	R 32,531	0	9,638	1,755	1,035	R 12	
2014	10,462	78	9,819	2,297	948	12,279	3	R 6,586	R 31,932	0	11,483	1,974	1,022	R 11	
2015	10,558	75	8,460	2,338	854	12,771	0	R 7,135	R 31,559	0	9,888	1,965	1,270	R 11	
2016	9,591	75	8,703	2,098	1,090	12,976	0	R 6,983	R 31,851	0	10,083	2,140	1,343	12	
2017	9,198	80	9,013	2,338	1,302	12,957	0	7,273	32,883	0	10,946	2,155	1,345	5	
2018	8,972	87	9,230	2,507	R 1,327	12,778	0	6,884	R 32,726	0	11,405	2,153	1,319	6	
2019	9,474	88	9,485	3,074	R 1,175	12,802	0	7,024	R 33,559	0	10,005	2,373	1,345	7	
2020	5,826	82	10,037	2,824	R 1,305	12,021	0	7,110	R 33,297	0	10,748	3,059	1,275	6	
2021	7,141	82	9,193	2,768	R 1,329	13,135	0	7,022	R 33,447	0	9,258	3,473	1,324	5	
2022	7,647	89	R 9,129	3,509	R 1,188	13,029	0	R 6,825	R 33,680	0	9,886	4,022	1,224	2	
2023	7,545	92	8,915	2,975	1,496	12,786	0	6,656	32,828	0	8,792	4,557	1,173	4	

^a Includes supplemental gaseous fuels that are commingled with natural gas.^b Beginning in 2009, includes biodiesel blended into distillate fuel oil. Beginning in 2011, includes renewable diesel blended into distillate fuel oil. Excludes biofuels product supplied.^c Hydrocarbon gas liquids, include natural gas liquids and refinery olefins.^d Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other petroleum." There is a discontinuity in this time series between 2009 and 2010 because of data source and methodology changes. See technical notes.^e Beginning in 1993, includes fuel ethanol blended into motor gasoline.^f Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, petroleum coke, and the "other petroleum products" category. See technical notes, Section 4.^g Conventional hydroelectric power. For 1960 through 1989, includes hydroelectric pumped-storage, which cannot be

separately identified.

^h Includes denaturant. Because of differences in data sources and estimation methods, the ratio of fuel ethanol consumption and motor gasoline consumption should not be interpreted as the average ethanol blend rate.

NA = Not available.

Where shown, R = Revised data and (s) = Value less than 0.5.

Notes: : 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: U.S. Energy Information Administration, State Energy Data System. See technical notes. <https://www.eia.gov/state/seds/>

Table CT2. Primary energy consumption estimates, selected years, 1960-2023, Montana
(trillion Btu)

Year	Fossil fuels										Fossil fuels (as commingled)		
	Coal	Natural gas excluding supplemental gaseous fuels ^a	Petroleum							Total	Natural gas including supplemental gaseous fuels ^a	Distillate fuel oil including biofuels ^a	Motor gasoline including fuel ethanol ^a
			Distillate fuel oil excluding biofuels ^a	HGL ^b	Jet fuel ^c	Motor gasoline excluding fuel ethanol ^a	Residual fuel oil	Other ^d	Total				
1960	4.0	57.6	28.5	2.8	1.4	36.4	13.0	24.9	107.0	168.6	57.6	28.5	36.4
1965	5.5	70.8	28.9	3.5	2.1	40.5	7.8	27.8	110.7	187.0	70.8	28.9	40.5
1970	12.0	90.6	28.1	5.0	3.6	48.7	8.0	32.8	126.2	228.8	90.6	28.1	48.7
1971	11.5	91.1	33.3	5.3	4.3	49.9	7.9	32.5	133.2	235.7	91.1	33.3	49.9
1972	13.2	87.0	36.1	6.5	4.3	53.2	9.2	37.0	146.3	246.5	87.0	36.1	53.2
1973	15.2	93.1	40.7	5.7	4.2	57.2	11.1	37.6	156.5	264.9	93.1	40.7	57.2
1974	14.7	81.7	45.7	5.6	4.4	55.4	14.2	33.2	158.4	254.8	81.7	45.7	55.4
1975	18.6	81.2	44.2	5.2	4.6	55.8	13.7	31.2	154.7	254.5	81.2	44.2	55.8
1976	42.2	75.4	49.0	5.4	4.2	61.0	15.9	31.5	167.0	284.5	75.4	49.0	61.0
1977	57.8	71.6	48.1	5.2	4.3	58.3	15.8	32.3	163.9	293.3	71.6	48.1	58.3
1978	57.6	72.7	48.0	6.3	3.9	67.3	15.7	31.1	172.3	302.6	72.7	48.0	67.3
1979	63.4	69.1	52.6	4.1	5.1	58.6	36.3	30.0	186.7	319.3	69.1	52.6	58.6
1980	60.2	61.5	43.7	6.7	5.2	54.7	25.3	28.1	163.7	285.4	61.5	43.7	54.7
1981	62.5	53.0	37.7	3.8	4.5	56.7	15.7	25.5	143.9	259.5	53.0	37.7	56.7
1982	48.6	52.8	33.9	5.3	3.5	54.8	10.1	22.4	130.1	231.5	52.8	33.9	54.8
1983	42.8	46.6	51.6	5.6	3.7	55.3	8.2	23.7	148.1	237.5	46.6	51.6	55.3
1984	90.3	47.1	47.5	3.8	3.6	54.9	5.0	26.0	140.8	278.2	47.1	47.5	54.9
1985	99.1	47.3	60.8	5.7	3.8	53.5	0.8	27.0	151.7	298.1	47.3	60.8	53.5
1986	133.2	41.1	38.6	5.5	4.8	53.4	0.3	30.7	133.3	307.7	41.1	38.6	53.4
1987	132.9	39.6	36.3	6.3	4.0	53.9	0.1	32.6	133.2	305.7	39.6	36.3	53.9
1988	181.5	42.9	35.4	5.6	4.5	54.8	1.4	33.7	135.5	359.9	42.9	35.4	54.8
1989	179.4	46.7	42.7	6.0	4.2	54.2	1.1	35.4	143.6	369.6	46.7	42.7	54.2
1990	168.8	44.4	42.4	6.4	4.0	54.3	1.4	34.0	142.4	355.7	44.4	42.4	54.3
1991	184.2	46.7	42.1	4.0	3.5	54.4	0.9	30.3	135.2	366.1	46.7	42.1	54.4
1992	194.1	46.6	39.8	3.8	4.8	56.3	0.6	34.6	139.9	380.6	46.6	39.8	56.3
1993	161.9	54.3	42.6	7.8	5.0	57.3	4.3	32.5	149.5	365.7	54.3	42.6	57.4
1994	193.7	53.3	43.0	3.9	4.8	57.9	2.3	36.9	148.7	395.7	53.3	43.0	57.9
1995	175.3	59.6	46.8	3.4	5.9	58.9	1.5	39.5	156.0	390.9	59.6	46.8	59.0
1996	138.8	63.3	47.0	5.8	5.7	61.2	1.1	45.6	166.4	368.4	63.3	47.0	61.2
1997	162.6	61.7	52.6	1.0	4.5	59.8	1.0	41.6	160.5	384.8	61.7	52.6	59.8
1998	186.1	61.4	45.8	1.0	4.5	60.3	0.7	47.3	159.5	407.0	61.4	45.8	60.3
1999	186.8	63.6	46.1	2.0	4.7	61.2	0.1	59.1	173.2	423.6	63.6	46.1	61.2
2000	176.8	69.6	47.0	5.0	4.2	60.1	(s)	49.2	165.4	411.8	69.6	47.0	60.1
2001	184.4	66.5	49.3	5.3	4.3	60.4	(s)	37.1	156.4	407.3	66.5	49.3	60.5
2002	166.3	71.0	47.4	5.6	4.4	61.6	0.2	42.4	161.6	398.9	71.0	47.4	61.7
2003	189.0	70.0	46.3	8.2	4.7	61.5	(s)	36.5	157.1	416.2	70.0	46.3	61.6
2004	195.6	68.6	58.1	9.1	5.7	62.2	0.3	40.8	176.1	440.3	68.6	58.1	62.3
2005	199.5	71.1	66.7	9.3	6.3	60.2	0.7	39.7	182.9	453.5	71.1	66.7	61.1
2006	194.3	75.1	71.0	9.1	5.9	60.9	0.8	46.5	194.3	463.7	75.1	71.0	62.0
2007	202.5	75.1	80.3	11.2	5.8	60.3	0.0	48.9	206.4	484.0	75.1	80.3	62.1
2008	203.3	77.6	74.4	11.3	4.7	57.1	0.0	44.9	192.4	473.3	77.6	74.4	59.4
2009	172.8	76.6	R 66.6	9.9	4.5	57.6	0.4	R 43.7	R 182.8	R 432.2	76.6	66.6	60.3
2010	203.3	72.9	R 56.9	9.0	6.4	57.9	(s)	R 41.7	R 171.9	R 448.2	72.9	56.9	60.3
2011	165.7	79.5	R 60.9	9.7	6.3	56.3	(s)	R 45.3	R 178.5	R 423.7	79.5	60.9	59.4
2012	157.3	75.2	R 57.8	8.0	6.4	56.8	(s)	45.1	R 174.0	R 406.6	75.2	R 57.9	60.2
2013	166.1	82.3	R 60.8	7.7	4.9	57.9	(s)	42.8	R 174.0	R 422.4	82.3	R 60.9	61.4
2014	175.4	80.1	R 56.6	8.8	5.4	58.6	(s)	R 40.4	R 169.8	R 425.2	80.1	R 56.7	62.1
2015	178.4	77.4	R 48.8	9.0	4.8	60.2	0.0	43.7	R 166.4	R 422.3	77.4	R 48.8	64.6
2016	161.9	77.6	R 50.2	8.1	6.2	60.9	0.0	R 43.5	R 168.9	R 408.4	77.6	R 50.2	65.6
2017	156.1	83.3	R 52.0	9.0	7.4	60.8	0.0	45.3	R 174.5	R 413.9	83.3	R 52.0	65.5
2018	152.3	90.8	R 53.2	9.6	R 7.5	60.0	0.0	43.0	R 173.3	R 416.4	90.8	R 53.3	64.6
2019	159.2	92.6	R 54.7	11.8	6.7	60.0	0.0	43.7	R 176.8	R 428.7	92.6	R 54.7	64.7
2020	98.9	87.5	R 57.9	10.8	7.4	56.3	0.0	44.2	R 176.6	R 362.9	87.5	R 57.9	60.7
2021	122.8	87.1	R 53.0	10.6	7.5	61.7	0.0	43.8	R 176.7	R 386.6	87.1	R 53.0	66.3
2022	131.3	94.0	R 52.7	13.5	R 6.7	61.5	0.0	42.6	R 177.0	R 402.3	94.0	R 52.7	65.8
2023	130.1	96.8	51.4	11.4	8.5	60.5	0.0	41.5	173.3	400.1	96.8	51.4	64.6

^a Supplemental gaseous fuels (SGF) and biofuels are consumed with natural gas and petroleum products. In this table, SGF and biofuels are removed from natural gas and petroleum so that a fossil fuel total can be calculated without double-counting. Biofuels are included in "Renewable energy."

^b Hydrocarbon gas liquids, include natural gas liquids and refinery olefins.

^c Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other petroleum." There is a discontinuity in this time series between 2009 and 2010 because of data source and methodology changes, see technical notes.

^d Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, petroleum coke, and the "other petroleum

products" category. See technical notes, Section 4.

Where shown, R = Revised data and (s) = Value less than +0.05 and greater than -0.05 trillion Btu.

Notes: · 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: U.S. Energy Information Administration, State Energy Data System. See technical notes. <https://www.eia.gov/state/seds/>

Table CT2. Primary energy consumption estimates, selected years, 1960-2023, Montana (continued)
(trillion Btu)

Year	Nuclear electric power	Renewable energy											Net interstate flow of electricity ^l	Electricity net imports ^m	Total ^{f,j}
		Hydro-electric power ^{e,f}	Biomass						Geo-thermal ^f	Solar ^{f,k}	Wind	Total ^{f,j}			
			Wood and waste ^{f,g}	Fuel ethanol ^h	Biodiesel	Renewable diesel	Losses and co-products ⁱ	Total ^{f,j}							
1960	0.0	19.8	7.5	NA	NA	NA	NA	7.5	0.0	NA	NA	27.3	24.4	(s)	220.3
1965	0.0	28.6	7.8	NA	NA	NA	NA	7.8	0.0	NA	NA	36.4	26.7	(s)	250.1
1970	0.0	29.8	6.6	NA	NA	NA	NA	6.6	0.0	NA	NA	36.5	46.5	(s)	311.7
1975	0.0	34.7	6.2	NA	NA	NA	NA	6.2	0.0	NA	NA	40.9	39.1	(s)	334.5
1976	0.0	42.3	7.2	NA	NA	NA	NA	7.2	0.0	NA	NA	49.5	20.4	(s)	354.4
1977	0.0	28.9	9.1	NA	NA	NA	NA	9.1	0.0	NA	NA	37.9	21.7	(s)	353.0
1978	0.0	39.9	10.9	NA	NA	NA	NA	10.9	0.0	NA	NA	50.8	19.4	(s)	372.8
1979	0.0	35.3	12.3	NA	NA	NA	NA	12.3	0.0	NA	NA	47.6	19.7	(s)	386.6
1980	0.0	34.0	11.1	NA	NA	NA	NA	11.1	0.0	NA	NA	45.1	19.6	(s)	350.1
1981	0.0	38.6	12.6	NA	NA	NA	NA	12.6	0.0	NA	NA	51.3	16.9	(s)	327.6
1982	0.0	37.3	12.4	NA	NA	NA	NA	12.5	0.0	NA	NA	49.8	24.8	(s)	306.1
1983	0.0	39.4	13.9	NA	NA	NA	NA	14.0	0.0	NA	NA	53.5	21.5	(s)	312.5
1984	0.0	37.9	14.3	NA	NA	NA	NA	14.5	0.0	NA	NA	52.4	14.9	(s)	345.4
1985	0.0	34.7	14.4	0.1	NA	NA	0.1	14.6	0.0	NA	NA	49.3	10.5	0.2	358.1
1986	0.0	37.0	20.2	(s)	NA	NA	0.1	20.4	0.0	NA	NA	57.4	-24.9	(s)	340.2
1987	0.0	30.5	17.9	(s)	NA	NA	0.1	18.0	0.0	NA	0.0	48.5	-34.3	0.1	320.0
1988	0.0	28.1	18.6	(s)	NA	NA	0.1	18.7	0.0	0.0	0.0	46.8	-73.0	(s)	333.7
1989	0.0	32.7	10.7	(s)	NA	NA	0.1	10.8	0.1	(s)	0.0	43.6	-71.4	0.1	341.9
1990	0.0	36.6	11.7	(s)	NA	NA	0.1	11.8	0.1	(s)	0.0	48.5	-93.8	0.2	310.5
1991	0.0	40.8	17.1	(s)	NA	NA	0.1	17.2	0.1	(s)	0.0	58.2	-110.8	0.1	313.6
1992	0.0	28.2	10.0	(s)	NA	NA	0.1	10.2	0.1	(s)	(s)	38.5	-100.6	0.1	318.5
1993	0.0	32.8	9.7	0.1	NA	NA	0.0	9.8	0.1	(s)	0.0	42.7	-79.1	(s)	329.3
1994	0.0	27.8	10.1	0.0	NA	NA	0.1	10.2	0.1	(s)	0.0	38.1	-93.4	(s)	340.4
1995	0.0	36.7	16.4	0.1	NA	NA	0.1	16.6	0.1	(s)	0.0	53.3	-93.3	(s)	350.9
1996	0.0	47.1	15.7	0.0	NA	NA	(s)	15.8	0.1	(s)	0.0	63.0	-86.2	0.1	345.3
1997	0.0	45.7	16.2	0.0	NA	NA	(s)	16.2	0.1	(s)	0.0	62.1	-119.3	(s)	327.6
1998	0.0	37.9	14.7	(s)	NA	NA	(s)	14.8	0.1	(s)	0.0	52.8	-108.4	0.1	351.6
1999	0.0	47.2	15.3	(s)	NA	NA	(s)	15.4	0.3	(s)	0.0	62.8	-132.5	-0.1	353.9
2000	0.0	32.8	15.3	(s)	NA	NA	(s)	15.3	0.3	(s)	0.0	48.5	-88.2	(s)	372.0
2001	0.0	22.6	11.9	0.1	NA	NA	(s)	12.0	0.3	(s)	0.0	34.9	-107.1	(s)	335.1
2002	0.0	32.6	11.0	0.1	NA	NA	(s)	11.1	0.3	(s)	0.0	44.0	-96.0	0.2	347.1
2003	0.0	29.7	12.0	0.1	NA	NA	(s)	12.1	0.3	(s)	0.0	42.0	-108.7	(s)	349.5
2004	0.0	30.2	12.5	0.1	NA	NA	0.0	12.7	0.3	(s)	0.0	43.2	-111.8	-0.1	371.6
2005	0.0	32.7	17.8	0.9	(s)	NA	0.0	18.7	0.3	(s)	0.0	51.7	-115.4	(s)	389.8
2006	0.0	34.6	17.1	1.1	(s)	NA	0.0	18.2	0.3	(s)	1.5	54.6	-111.8	-0.7	405.8
2007	0.0	32.0	20.0	1.8	(s)	NA	0.0	21.8	0.3	(s)	1.7	55.8	-105.7	-0.2	433.9
2008	0.0	34.1	18.5	2.3	(s)	NA	(s)	20.8	0.3	(s)	2.0	57.2	-110.4	-0.8	419.3
2009	0.0	32.4	12.7	2.6	(s)	NA	(s)	15.4	0.3	(s)	2.8	50.9	-92.2	-1.0	R 389.9
2010	0.0	32.1	13.5	2.4	(s)	NA	0.0	16.0	0.3	(s)	3.2	51.6	-125.3	-1.3	R 373.2
2011	0.0	43.0	5.3	3.1	0.1	NA	0.0	8.4	0.4	(s)	4.3	56.1	-116.1	-1.3	R 362.4
2012	0.0	38.5	4.6	3.4	0.1	NA	0.0	8.0	0.3	(s)	4.3	51.2	-100.0	-0.6	R 357.2
2013	0.0	32.9	5.3	3.6	0.1	NA	0.0	9.0	0.3	(s)	6.0	R 48.3	-100.1	-1.2	R 369.3
2014	0.0	39.2	5.7	3.5	R 0.1	NA	0.0	9.3	0.3	(s)	6.7	55.6	-113.3	-3.3	R 364.3
2015	0.0	33.7	R 14.0	4.4	R 0.1	0.0	0.0	R 18.5	0.3	(s)	6.7	R 59.3	-112.9	-0.6	R 368.1
2016	0.0	34.4	R 14.6	4.7	0.1	0.0	(s)	R 19.3	0.3	(s)	7.3	R 61.4	-101.3	0.4	R 369.0
2017	0.0	37.3	R 14.7	4.7	(s)	0.0	(s)	R 19.4	0.3	0.1	7.4	R 64.6	-97.2	0.7	R 381.9
2018	0.0	38.9	R 18.5	4.6	(s)	0.0	(s)	R 23.2	0.3	0.2	7.3	R 70.0	-91.4	-1.7	R 393.2
2019	0.0	34.1	R 18.0	4.7	(s)	0.0	(s)	R 22.7	0.3	0.2	8.1	R 65.5	-85.7	-2.7	R 405.7
2020	0.0	36.7	R 7.7	4.4	(s)	0.0	(s)	R 12.1	0.3	0.2	10.4	R 59.8	-47.7	-3.9	R 371.1
2021	0.0	31.6	R 7.7	4.6	(s)	0.0	0.0	R 12.3	0.3	0.3	11.8	R 56.3	-59.7	-4.1	R 379.1
2022	0.0	33.7	R 8.3	4.3	(s)	0.0	0.0	R 12.6	0.3	0.3	13.7	R 60.6	-70.6	-3.9	R 388.5
2023	0.0	30.0	7.4	4.1	(s)	0.0	0.0	11.5	0.3	1.1	15.5	58.5	-74.2	-2.2	382.2

^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. Beginning in 2006, includes small amount of other biomass liquids that are biodiesel.

^h Excludes denaturant. Because of differences in data sources and estimation methods, the ratio of fuel ethanol consumption and motor gasoline consumption should not be interpreted as the average ethanol blend rate. Pre-2005 estimates are not comparable to those for later years. See Section 5 of technical notes.

ⁱ Losses and co-products from the production of biodiesel and fuel ethanol.

^j Beginning in 2006, adjusted for the double-counting of other biomass liquids that are biodiesel, which are included in both wood & waste and biodiesel, but should be counted only once in Total.

^k Solar thermal and photovoltaic energy.

^l Includes the energy losses associated with the generation, transmission, and distribution of the electricity flowing across

state lines. A positive number indicates that more electricity came into the state than went out of the state during the year. Pre-1990 estimates are not comparable to those for later years. See Section 6 of technical notes for an explanation of changes in methodology.

^m Electricity traded with Canada and Mexico. Calculated by converting net imports in kilowatt-hours by 3,412 Btu per kilowatt-hour.

NA = Not available.

Where shown, R = Revised data and (s) = Value less than +0.05 and greater than -0.05 trillion Btu.

Notes: · 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: U.S. Energy Information Administration, State Energy Data System. See technical notes. <https://www.eia.gov/state/seds/>

Table CT3. Total end-use sector energy consumption estimates, selected years, 1960-2023, Montana

Year	Coal Thousand short tons	Natural gas ^a Billion cubic feet	Petroleum							Hydro-electric power ^{g,h} Million kilowatt-hours	Biomass		Geo-thermal ^h	Solar ^{h,k}	Electricity ⁱ Million kilowatt-hours	End use ^{h,m}	Electrical system energy losses ⁿ	Total ^{h,m}
			Distillate fuel oil ^b	HGL ^c	Jet fuel ^d	Motor gasoline ^e	Residual fuel oil	Other ^f	Total		Wood and waste ^{h,i}	Losses and co-products ^j						
			Thousand barrels															
1960	67	55	4,898	737	265	6,922	2,063	4,234	19,118	0	--	--	--	--	4,575	--	--	--
1970	40	85	4,826	1,326	649	9,262	1,243	5,338	22,644	0	--	--	--	--	8,750	--	--	--
1980	168	57	7,450	1,806	920	10,416	4,025	4,585	29,203	0	--	--	--	--	10,825	--	--	--
1990	277	43	7,217	1,740	708	10,328	218	5,518	25,729	0	--	--	--	--	13,125	--	--	--
2000	169	68	8,028	1,324	747	11,559	1	6,596	28,255	0	--	--	--	--	14,580	--	--	--
2005	235	68	11,447	2,455	1,112	11,770	106	5,343	32,235	0	--	--	--	--	13,479	--	--	--
2006	229	73	12,207	2,409	1,045	11,960	125	6,393	34,139	0	--	--	--	--	13,815	--	--	--
2007	112	73	13,859	2,993	1,026	12,079	0	6,912	36,869	0	--	--	--	--	15,532	--	--	--
2008	102	76	12,855	2,989	832	11,626	0	6,337	34,638	0	--	--	--	--	15,326	--	--	--
2009	70	75	11,514	2,586	792	11,844	59	5,816	32,611	0	--	--	--	--	14,354	--	--	--
2010	82	71	9,837	2,349	1,126	11,906	1	5,652	30,871	0	--	--	--	--	13,771	--	--	--
2011	90	74	10,525	2,530	1,104	11,735	4	6,048	31,946	0	--	--	--	--	13,788	--	--	--
2012	243	68	10,014	2,071	1,123	11,887	(s)	5,998	31,093	0	--	--	--	--	13,863	--	--	--
2013	263	72	10,529	2,003	857	12,144	1	5,655	31,189	0	--	--	--	--	14,045	--	--	--
2014	282	72	9,773	2,297	948	12,279	3	5,378	30,679	0	--	--	--	--	14,102	--	--	--
2015	281	68	8,448	2,338	854	12,771	0	5,678	30,089	0	--	--	--	--	14,207	--	--	--
2016	263	70	8,682	2,098	1,090	12,976	0	5,618	30,465	0	--	--	--	--	14,101	--	--	--
2017	255	75	8,998	2,338	1,302	12,957	0	5,888	31,482	0	--	--	--	--	14,710	--	--	--
2018	238	82	9,205	2,507	1,327	12,778	0	5,649	31,466	0	--	--	--	--	14,839	--	--	--
2019	199	83	9,461	3,074	1,175	12,802	0	5,746	32,258	0	--	--	--	--	15,321	--	--	--
2020	202	78	10,018	2,824	1,305	12,021	0	5,784	31,952	0	--	--	--	--	14,584	--	--	--
2021	233	77	9,176	2,768	1,329	13,135	0	5,683	32,090	0	--	--	--	--	14,962	--	--	--
2022	252	82	9,106	3,509	1,188	13,029	0	5,547	32,380	0	--	--	--	--	15,584	--	--	--
2023	178	81	8,897	2,975	1,496	12,786	0	5,287	31,441	0	--	--	--	--	15,505	--	--	--
Trillion Btu																		
1960	1.5	57.3	28.5	2.8	1.4	36.4	13.0	24.9	107.0	0.0	7.5	NA	NA	NA	15.6	188.9	31.5	220.3
1970	0.8	88.0	28.1	5.0	3.6	48.7	7.8	32.8	126.0	0.0	5.9	NA	NA	NA	29.9	250.6	61.2	311.7
1980	3.2	57.1	43.4	6.7	5.2	54.7	25.3	28.1	163.3	0.0	10.9	NA	NA	NA	36.9	271.5	78.6	350.1
1990	5.1	43.9	42.0	6.4	4.0	54.3	1.4	34.0	142.1	0.0	10.9	0.1	0.1	(s)	44.8	247.0	63.5	310.5
2000	2.7	69.4	46.7	5.0	4.2	60.1	(s)	41.0	157.1	0.0	15.3	(s)	0.3	(s)	49.7	294.5	77.5	372.0
2005	3.9	70.9	66.6	9.3	6.3	61.1	0.7	32.5	176.5	0.0	17.8	0.0	0.3	(s)	46.0	315.5	74.4	389.8
2006	3.8	74.6	70.8	9.1	5.9	62.0	0.8	39.2	187.9	0.0	17.1	0.0	0.3	(s)	47.1	330.9	74.9	405.8
2007	1.7	74.0	80.2	11.2	5.8	62.1	0.0	41.7	201.0	0.0	20.0	0.0	0.3	(s)	53.0	350.0	83.9	433.9
2008	1.7	77.1	74.3	11.3	4.7	59.4	0.0	38.2	188.0	0.0	18.5	(s)	0.3	(s)	52.3	337.8	81.5	419.3
2009	1.1	76.0	66.5	9.9	4.5	60.3	0.4	36.0	177.6	0.0	12.7	(s)	0.3	(s)	49.0	316.7	73.2	389.9
2010	1.3	72.2	56.8	9.0	6.4	60.3	(s)	35.2	167.8	0.0	13.5	0.0	0.3	(s)	47.0	302.1	71.1	373.2
2011	1.4	74.7	60.8	9.7	6.3	59.4	(s)	37.8	174.0	0.0	5.3	0.0	0.4	(s)	47.0	302.8	59.6	362.4
2012	4.3	69.7	57.8	8.0	6.4	60.2	(s)	37.4	169.7	0.0	4.6	0.0	0.3	(s)	47.3	296.0	61.2	357.2
2013	4.5	74.9	60.8	7.7	4.9	61.4	(s)	35.2	170.0	0.0	5.3	0.0	0.3	(s)	47.9	303.0	66.3	369.3
2014	4.9	74.3	56.4	8.8	5.4	62.1	(s)	33.5	166.3	0.0	5.7	0.0	0.3	(s)	48.1	299.6	64.6	364.3
2015	5.0	70.7	48.7	9.0	4.8	64.6	0.0	35.3	162.5	0.0	14.0	0.0	0.3	(s)	48.5	301.1	67.0	368.1
2016	4.7	72.0	50.1	8.1	6.2	65.6	0.0	35.7	165.7	0.0	14.6	(s)	0.3	(s)	48.1	305.5	63.5	369.0
2017	4.6	78.5	51.9	9.0	7.4	65.5	0.0	37.4	171.2	0.0	14.7	(s)	0.3	0.1	50.2	319.5	62.4	381.9
2018	4.4	85.4	53.1	9.6	7.5	64.6	0.0	35.9	170.7	0.0	18.5	(s)	0.3	0.1	50.6	330.1	63.1	393.2
2019	3.6	87.0	54.6	11.8	6.7	64.7	0.0	36.4	174.1	0.0	18.0	(s)	0.3	0.1	52.3	335.3	70.3	405.7
2020	3.6	83.9	57.8	10.8	7.4	60.7	0.0	36.6	173.3	0.0	7.6	(s)	0.3	0.1	49.8	318.6	52.5	371.1
2021	4.2	81.2	52.9	10.6	7.5	66.3	0.0	36.1	173.6	0.0	7.5	0.0	0.3	0.2	51.0	318.0	61.1	379.1
2022	4.6	85.9	52.5	13.5	6.7	65.8	0.0	35.3	173.8	0.0	8.2	0.0	0.3	0.2	53.2	326.2	62.3	388.5
2023	3.4	86.0	51.3	11.4	8.5	64.6	0.0	33.7	169.5	0.0	7.3	0.0	0.3	0.3	52.9	319.6	62.6	382.2

^a Includes supplemental gaseous fuels that are commingled with natural gas.^b Beginning in 2009, includes biodiesel blended into distillate fuel oil. Beginning in 2011, includes renewable diesel blended into distillate fuel oil. Excludes biofuels product supplied.^c Hydrocarbon gas liquids, include natural gas liquids and refinery olefins.^d Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other petroleum."^e Beginning in 1993, includes fuel ethanol blended into motor gasoline.^f Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, petroleum coke, and the "other petroleum products" category. See technical notes, Section 4.^g Conventional hydroelectric power. For 1960 through 1989, includes hydroelectric pumped-storage, which cannot be separately identified.^h There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.ⁱ Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.^j Losses and co-products from the production of biodiesel and fuel ethanol.^k Solar thermal and photovoltaic energy.^l Electricity sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers.^m 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 the commercial and industrial sectors. Beginning in 2021, adjusted for the double-counting of biofuels product supplied.ⁿ 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.

-- = 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: - Total end-use sector consumption estimates are the sum of the consumption estimates for the residential, commercial, industrial, and transportation 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: U.S. Energy Information Administration, State Energy Data System. See technical notes. <https://www.eia.gov/state/seds/>

Table CT4. Residential sector energy consumption estimates, selected years, 1960-2023, Montana

Year	Coal ^a	Natural gas ^b	Petroleum				Biomass	Geothermal ^g	Solar ^{g,h}	Electricity ⁱ	End use ^{g,j}	Electrical system energy losses ^k	Total ^{e,g,j}
			Distillate fuel oil ^c	HGL ^d	Kerosene	Total ^e							
	Thousand short tons	Billion cubic feet	Thousand barrels				Wood ^f			Million kilowatthours			
1960	18	17	262	488	0	750	--	--	--	935	--	--	--
1965	13	20	277	614	0	891	--	--	--	1,216	--	--	--
1970	7	25	249	856	0	1,106	--	--	--	1,534	--	--	--
1975	3	24	589	939	0	1,528	--	--	--	2,143	--	--	--
1980	3	19	421	799	0	1,220	--	--	--	2,916	--	--	--
1985	2	19	309	583	9	901	--	--	--	3,614	--	--	--
1990	11	17	291	784	1	1,077	--	--	--	3,358	--	--	--
1995	1	20	218	456	1	674	--	--	--	3,640	--	--	--
2000	(s)	20	170	890	(s)	1,060	--	--	--	3,908	--	--	--
2005	12	20	169	1,732	1	1,902	--	--	--	4,221	--	--	--
2006	13	19	196	1,726	1	1,923	--	--	--	4,394	--	--	--
2007	(s)	20	197	1,990	1	2,187	--	--	--	4,542	--	--	--
2008	0	22	248	2,230	3	2,481	--	--	--	4,669	--	--	--
2009	0	22	115	2,362	(s)	2,477	--	--	--	4,790	--	--	--
2010	0	21	109	1,966	1	2,075	--	--	--	4,743	--	--	--
2011	0	22	99	2,089	1	2,189	--	--	--	4,913	--	--	--
2012	0	19	93	1,638	(s)	1,731	--	--	--	4,778	--	--	--
2013	0	21	80	1,606	(s)	1,686	--	--	--	4,926	--	--	--
2014	0	21	63	1,809	1	1,873	--	--	--	4,969	--	--	--
2015	0	19	70	1,822	(s)	1,892	--	--	--	4,825	--	--	--
2016	0	19	67	1,609	1	1,678	--	--	--	4,853	--	--	--
2017	0	21	66	1,885	(s)	1,951	--	--	--	5,225	--	--	--
2018	0	23	59	1,795	(s)	1,854	--	--	--	5,198	--	--	--
2019	0	24	64	2,483	(s)	2,547	--	--	--	5,308	--	--	--
2020	0	22	47	2,205	6	2,258	--	--	--	5,380	--	--	--
2021	0	21	75	2,047	(s)	2,122	--	--	--	5,559	--	--	--
2022	0	23	77	2,605	(s)	2,682	--	--	--	5,894	--	--	--
2023	0	22	78	2,073	(s)	2,151	--	--	--	5,756	--	--	--
Trillion Btu													
1960	0.4	17.5	1.5	1.9	0.0	3.4	4.7	NA	NA	3.2	29.2	6.4	35.7
1965	0.3	19.9	1.6	2.4	0.0	4.0	3.6	NA	NA	4.1	32.0	8.2	40.1
1970	0.1	25.6	1.5	3.3	0.0	4.7	2.8	NA	NA	5.2	38.5	10.7	49.2
1975	0.1	24.6	3.4	3.6	0.0	7.0	3.1	NA	NA	7.3	42.0	14.9	57.0
1980	0.1	19.5	2.5	3.1	0.0	5.5	2.5	NA	NA	9.9	37.5	21.2	58.7
1985	(s)	19.4	1.8	2.2	0.1	4.1	3.9	NA	NA	12.3	39.7	25.1	64.8
1990	0.2	17.3	1.7	3.0	(s)	4.7	1.8	(s)	(s)	11.5	35.5	16.2	51.8
1995	(s)	20.2	1.3	1.8	(s)	3.0	1.7	(s)	(s)	12.4	37.5	18.9	56.3
2000	(s)	20.6	1.0	3.4	(s)	4.4	1.9	(s)	(s)	13.3	40.3	20.8	61.1
2005	0.2	20.6	1.0	6.7	(s)	7.6	6.0	0.1	(s)	14.4	49.0	23.3	72.3
2006	0.2	19.8	1.1	6.6	(s)	7.8	5.4	0.1	(s)	15.0	48.2	23.8	72.0
2007	(s)	20.0	1.1	7.6	(s)	8.8	5.9	0.1	(s)	15.5	50.3	24.5	74.8
2008	0.0	21.9	1.4	8.6	(s)	10.0	6.6	0.1	(s)	15.9	54.6	24.8	79.4
2009	0.0	22.0	0.7	9.1	(s)	9.7	3.2	0.1	(s)	16.3	51.4	24.4	75.8
2010	0.0	21.1	0.6	7.5	(s)	8.2	3.4	0.1	(s)	16.2	49.0	24.5	73.5
2011	0.0	22.1	0.6	8.0	(s)	8.6	3.3	0.2	(s)	16.8	50.9	21.2	72.1
2012	0.0	19.5	0.5	6.3	(s)	6.8	2.8	0.1	(s)	16.3	45.6	21.1	66.7
2013	0.0	21.5	0.5	6.2	(s)	6.6	3.6	0.1	(s)	16.8	48.7	23.3	72.0
2014	0.0	21.9	0.4	6.9	(s)	7.3	3.7	0.1	(s)	17.0	50.0	22.8	72.8
2015	0.0	19.5	0.4	7.0	(s)	7.4	10.9	0.1	(s)	16.5	54.4	22.8	77.2
2016	0.0	19.7	0.4	6.2	(s)	6.6	11.2	0.1	(s)	16.6	54.2	21.8	76.0
2017	0.0	22.4	0.4	7.2	(s)	7.6	10.9	0.1	(s)	17.8	R 58.9	22.2	81.0
2018	0.0	23.6	0.3	6.9	(s)	7.2	14.5	0.1	(s)	R 63.3	R 63.3	22.1	R 85.4
2019	0.0	25.1	0.4	9.5	(s)	9.9	14.1	0.1	(s)	R 67.5	R 67.5	24.4	R 91.8
2020	0.0	23.4	0.3	8.5	(s)	8.8	R 4.6	0.1	(s)	R 55.3	R 55.3	19.4	R 74.6
2021	0.0	22.3	0.4	7.9	(s)	8.3	R 4.7	0.1	(s)	R 54.5	R 54.5	22.7	R 77.3
2022	0.0	24.5	0.4	10.0	(s)	10.5	R 5.9	0.1	(s)	R 61.2	R 61.2	23.6	R 84.8
2023	0.0	23.3	0.4	8.0	(s)	8.4	5.0	0.1	0.2	19.6	56.8	23.2	80.0

^a Beginning in 2008, data are no longer collected and are assumed to be zero.

^b Includes supplemental gaseous fuels that are commingled with natural gas.

^c Beginning in 2013, includes biodiesel blended into distillate fuel oil.

^d Hydrocarbon gas liquids, assumed to be propane only.

^e Wood and wood-derived fuels.

^f Beginning in 2021, includes small amounts of other petroleum products (biofuels product supplied) not shown separately.

^g There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.

^h Solar thermal and photovoltaic energy. Includes solar thermal energy consumed as heat by the commercial and industrial sectors.

ⁱ Electricity sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers.

^j 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.

^k 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.

-- = 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 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: U.S. Energy Information Administration, State Energy Data System. See technical notes. <https://www.eia.gov/state/seds/>

Table CT5. Commercial sector energy consumption estimates, selected years, 1960-2023, Montana

Year	Coal	Natural gas ^a	Petroleum						Hydro-electric power ^{f,g}	Biomass	Geothermal ^g	Solar ^{g,i}	Electricity ^j	End use ^{g,k}	Electrical system energy losses ^l	Total ^{e,g,k}
			Distillate fuel oil ^b	HGL ^c	Kerosene	Motor gasoline ^d	Residual fuel oil	Total ^e								
	Thousand short tons	Billion cubic feet	Thousand barrels						Million kilowatthours	Wood and waste ^{g,h}		Million kilowatthours				
1960	12	12	297	107	466	135	2	1,007	NA	--	--	NA	688	--	--	--
1965	10	14	315	135	227	144	1	822	NA	--	--	NA	925	--	--	--
1970	5	19	283	188	94	220	1	786	NA	--	--	NA	1,187	--	--	--
1975	7	19	668	206	54	174	2	1,105	NA	--	--	NA	1,645	--	--	--
1980	11	14	346	175	0	92	7	620	NA	--	--	NA	2,094	--	--	--
1985	6	15	772	128	(s)	72	126	1,098	NA	--	--	NA	4,245	--	--	--
1990	46	12	154	172	(s)	84	11	421	0	--	--	(s)	3,237	--	--	--
1995	9	13	102	100	(s)	13	3	218	0	--	--	(s)	3,411	--	--	--
2000	3	14	143	195	(s)	14	1	353	0	--	--	(s)	4,104	--	--	--
2005	133	13	163	414	7	15	0	600	0	--	--	(s)	4,473	--	--	--
2006	127	13	215	344	(s)	16	0	574	0	--	--	(s)	4,686	--	--	--
2007	2	13	175	316	(s)	15	0	506	0	--	--	1	4,828	--	--	--
2008	11	14	229	428	1	17	0	675	0	--	--	1	4,826	--	--	--
2009	10	24	145	183	0	15	32	376	0	--	--	1	4,791	--	--	--
2010	7	20	105	291	(s)	15	1	412	0	--	--	1	4,789	--	--	--
2011	9	22	123	303	(s)	15	4	445	0	--	--	1	4,892	--	--	--
2012	5	19	106	375	(s)	14	(s)	496	0	--	--	2	4,918	--	--	--
2013	2	21	104	309	(s)	15	1	430	0	--	--	2	4,890	--	--	--
2014	1	22	85	395	(s)	14	3	497	0	--	--	2	4,903	--	--	--
2015	2	20	53	387	(s)	148	0	588	0	--	--	3	4,894	--	--	--
2016	2	21	129	422	(s)	149	0	700	0	--	--	3	4,832	--	--	--
2017	2	23	116	359	(s)	150	0	625	0	--	--	4	4,970	--	--	--
2018	3	26	96	604	0	152	0	852	0	--	--	6	4,921	--	--	--
2019	2	28	87	434	(s)	153	0	674	0	--	--	7	4,956	--	--	--
2020	1	26	98	529	(s)	154	0	781	0	--	--	10	4,702	--	--	--
2021	1	25	98	597	(s)	156	0	851	0	--	--	12	4,906	--	--	--
2022	2	27	100	681	(s)	162	0	943	0	--	--	14	5,020	--	--	--
2023	(s)	27	101	746	(s)	161	0	1,008	0	--	--	16	5,063	--	--	--
Trillion Btu																
1960	0.3	12.3	1.7	0.4	2.6	0.7	(s)	5.5	NA	0.1	NA	NA	2.3	20.5	4.7	25.2
1965	0.2	14.1	1.8	0.5	1.3	0.8	(s)	4.4	NA	0.1	NA	NA	3.2	22.0	6.2	28.2
1970	0.1	19.2	1.6	0.7	0.5	1.2	(s)	4.1	NA	0.1	NA	NA	4.1	27.4	8.3	35.7
1975	0.2	19.0	3.9	0.8	0.3	0.9	(s)	5.9	NA	0.1	NA	NA	5.6	30.8	11.5	42.2
1980	0.2	14.4	2.0	0.7	0.0	0.5	(s)	3.2	NA	0.1	NA	NA	7.1	25.1	15.2	40.3
1985	0.1	14.8	4.5	0.5	(s)	0.4	0.8	6.2	NA	0.1	NA	NA	14.5	35.7	29.4	65.1
1990	0.9	12.5	0.9	0.7	(s)	0.4	0.1	2.1	0.0	0.2	0.1	(s)	11.0	26.7	15.7	42.4
1995	0.2	13.9	0.6	0.4	(s)	0.1	(s)	1.1	0.0	0.2	0.1	(s)	11.6	27.1	17.7	44.7
2000	(s)	13.9	0.8	0.8	(s)	0.1	(s)	1.7	0.0	0.3	0.2	(s)	14.0	30.0	21.8	51.9
2005	(s)	13.7	0.9	1.6	(s)	0.1	0.0	2.7	0.0	1.0	0.2	(s)	15.3	35.1	24.7	59.8
2006	2.3	13.4	1.2	1.3	(s)	0.1	0.0	2.6	0.0	0.9	0.2	(s)	16.0	35.4	25.4	60.8
2007	(s)	13.4	1.0	1.2	(s)	0.1	0.0	2.3	0.0	1.0	0.1	(s)	16.5	33.3	26.1	59.4
2008	0.3	14.6	1.3	1.6	(s)	0.1	0.0	3.1	0.0	1.0	0.1	(s)	16.5	35.5	25.6	61.2
2009	0.2	23.8	0.8	0.7	0.0	0.1	0.2	1.8	0.0	0.4	0.1	(s)	16.3	42.8	24.4	67.3
2010	0.2	20.7	0.6	1.1	(s)	0.1	(s)	1.8	0.0	0.4	0.1	(s)	16.3	39.6	24.7	64.3
2011	0.2	22.7	0.7	1.2	(s)	0.1	(s)	2.0	0.0	0.4	0.1	(s)	16.7	42.2	21.1	63.3
2012	0.1	19.7	0.6	1.4	(s)	0.1	(s)	2.1	0.0	0.4	0.1	(s)	16.8	39.2	21.7	61.0
2013	(s)	21.7	0.6	1.2	(s)	0.1	(s)	1.9	0.0	0.4	0.1	(s)	16.7	40.9	23.1	63.9
2014	(s)	22.1	0.5	1.5	(s)	0.1	(s)	2.1	0.0	R 0.4	0.1	(s)	16.7	R 41.5	22.5	64.0
2015	0.1	20.1	0.3	1.5	(s)	0.7	0.0	2.5	0.0	R 1.5	0.1	(s)	16.7	R 41.0	23.1	R 64.1
2016	(s)	22.0	0.7	1.6	(s)	0.8	0.0	3.1	0.0	R 1.7	0.1	(s)	16.5	R 43.6	21.7	R 65.3
2017	(s)	24.3	0.7	1.4	(s)	0.8	0.0	2.8	0.0	R 1.7	0.1	(s)	17.0	R 46.0	21.1	R 67.1
2018	0.1	27.4	0.6	2.3	0.0	0.8	0.0	3.6	0.0	R 1.9	0.1	(s)	16.8	R 50.0	20.9	R 70.9
2019	(s)	29.2	0.5	1.7	(s)	0.8	0.0	2.9	0.0	R 1.8	0.1	(s)	16.9	R 51.0	22.8	R 73.8
2020	(s)	27.5	0.6	2.0	(s)	0.8	0.0	3.4	0.0	R 0.9	0.1	(s)	16.0	R 48.0	16.9	R 64.9
2021	(s)	26.1	0.6	2.3	(s)	0.8	0.0	3.6	0.0	R 0.9	0.1	(s)	16.7	R 47.6	20.0	R 67.6
2022	(s)	28.5	0.6	2.6	(s)	0.8	0.0	4.0	0.0	R 0.9	0.1	(s)	17.1	R 50.7	20.1	R 70.8
2023	(s)	28.3	0.6	2.9	(s)	0.8	0.0	4.3	0.0	0.9	0.1	0.1	17.3	50.9	20.4	71.4

^a Includes supplemental gaseous fuels that are commingled with natural gas.

^b Beginning in 2013, includes biodiesel blended into distillate fuel oil.

^c Hydrocarbon gas liquids, assumed to be propane only.

^d 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.

^e Includes small amounts of petroleum coke and, beginning in 2021 other petroleum products (biofuels product supplied), not shown separately.

^f Conventional hydroelectric power. For 1960 through 1989, includes hydroelectric pumped-storage, which cannot be separately identified.

^g There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.

^h Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.

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 commercial 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.

-- = 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 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: U.S. Energy Information Administration, State Energy Data System. See technical notes. <https://www.eia.gov/state/seds/>

Table CT6. Industrial sector energy consumption estimates, selected years, 1960-2023, Montana

Year	Coal	Natural gas ^a	Petroleum						Hydro-electric power ^{e,f}	Biomass		Geo-thermal ^f	Solar ^{f,i}	Electricity ^j	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 short tons	Billion cubic feet	Thousand barrels						Million kWh	Wood and waste ^{f,g}	Losses and co-products ^h	Million kWh	End use ^{f,k}				
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	R 5,474	R 8,004	0	--	--	--	0	4,239	--	--	
2011	81	23	2,372	132	296	0	R 5,877	R 8,677	0	--	--	--	0	3,983	--	--	
2012	238	23	2,568	53	274	0	R 5,842	R 8,737	0	--	--	--	0	4,168	--	--	
2013	262	24	2,591	83	290	(s)	R 5,495	R 8,460	0	--	--	--	0	4,229	--	--	
2014	281	25	2,416	90	284	0	R 5,201	R 7,991	0	--	--	--	0	4,230	--	--	
2015	279	26	1,658	125	348	0	R 5,491	R 7,623	0	--	--	--	0	4,488	--	--	
2016	261	25	1,418	63	339	0	R 5,443	R 7,263	0	--	--	--	0	4,416	--	--	
2017	252	27	1,448	88	341	0	5,728	7,605	0	--	--	--	0	4,515	--	--	
2018	235	29	1,543	97	347	0	5,489	7,477	0	--	--	--	0	4,720	--	--	
2019	197	28	1,854	147	342	0	5,594	7,938	0	--	--	--	0	5,057	--	--	
2020	201	28	1,746	76	346	0	5,625	R 7,792	0	--	--	--	0	4,502	--	--	
2021	232	28	1,567	121	336	0	5,526	7,552	0	--	--	--	0	4,496	--	--	
2022	250	29	1,584	214	365	0	R 5,386	R 7,549	0	--	--	--	(s)	4,670	--	--	
2023	177	30	1,546	150	372	0	5,158	7,226	0	--	--	--	0	4,686	--	--	
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	20.3	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	26.4	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	42.1	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	36.0	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	42.2	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	40.5	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	31.6	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	33.0	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	34.9	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	26.4	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	25.7	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	33.3	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	31.0	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	24.3	134.5
2010	1.1	22.8	12.4	0.3	1.5	0.0	34.2	R 48.4	0.0	9.7	0.0	0.1	0.0	14.5	96.6	21.9	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	R 91.8	17.2	R 109.0
2012	4.2	23.3	14.8	0.2	1.4	0.0	R 36.5	R 52.9	0.0	1.4	0.0	0.1	0.0	14.2	96.2	18.4	114.6
2013	4.5	24.7	14.9	0.3	1.5	(s)	R 34.3	R 51.0	0.0	1.3	0.0	0.1	0.0	14.4	R 95.9	20.0	R 115.9
2014	4.9	26.0	13.9	0.3	1.4	0.0	R 32.5	R 48.2	0.0	1.6	0.0	0.1	0.0	14.4	R 95.2	19.4	R 114.6
2015	5.0	26.4	9.6	0.5	1.8	0.0	R 34.3	46.1	0.0	1.7	0.0	0.1	0.0	15.3	R 94.5	21.2	R 115.7
2016	4.7	25.5	8.2	0.2	1.7	0.0	R 34.7	R 44.8	0.0	1.7	(s)	0.1	0.0	15.1	R 91.8	19.9	R 111.7
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	19.1	110.5
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	20.1	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	23.2	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	16.2	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	R 97.6	18.4	R 115.9
2022	4.5	30.3	9.1	0.8	1.8	0.0	34.4	46.2	0.0	R 1.4	0.0	0.1	(s)	15.9	R 98.4	18.7	R 117.1
2023	3.4	32.0	8.9	0.6	1.9	0.0	32.9	44.3	0.0	1.4	0.0	0.1	0.0	16.0	97.1	18.9	116.0

^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. <https://www.eia.gov/state/seds/>

Table CT7. Transportation sector energy consumption estimates, selected years, 1960-2023, Montana

Year	Coal	Natural gas ^a	Petroleum								Electricity ^g	End use ^{h,i}	Electrical system energy losses ^j	Total ^{f,h,i}
			Aviation gasoline	Distillate fuel oil ^b	HGL ^c	Jet fuel ^d	Lubricants	Motor gasoline ^e	Residual fuel oil	Total ^f				
	Thousand short tons	Billion cubic feet	Thousand barrels								Million kilowatthours			
1960	1	(s)	1,006	2,839	29	265	137	5,972	377	10,624	0	--	--	--
1965	(s)	(s)	312	2,676	13	384	148	6,678	325	10,536	0	--	--	--
1970	(s)	1	43	3,020	36	649	154	8,407	119	12,428	0	--	--	--
1975	(s)	2	79	3,835	50	818	162	9,682	160	14,786	0	--	--	--
1980	0	3	159	4,759	45	920	196	9,705	0	15,786	0	--	--	--
1985	0	2	91	4,132	51	678	179	9,439	(s)	14,569	0	--	--	--
1990	0	2	111	3,993	67	708	201	9,630	0	14,709	0	--	--	--
1995	0	4	78	5,390	28	1,052	192	10,669	0	17,409	0	--	--	--
2000	0	8	134	5,812	11	747	205	11,139	0	18,047	0	--	--	--
2005	0	8	47	7,597	22	1,112	173	11,117	0	20,069	0	--	--	--
2006	0	8	87	8,122	18	1,045	168	11,251	30	20,722	0	--	--	--
2007	0	8	69	9,013	12	1,026	174	11,563	0	21,858	0	--	--	--
2008	0	7	90	8,055	35	832	161	11,250	0	20,424	0	--	--	--
2009	0	5	75	7,454	10	792	145	11,471	0	19,946	0	--	--	--
2010	0	7	47	7,475	6	1,126	129	11,596	0	20,380	0	--	--	--
2011	0	7	44	7,931	6	1,104	127	11,424	0	20,635	0	--	--	--
2012	0	7	41	7,247	5	1,123	115	11,598	0	20,128	0	--	--	--
2013	0	7	37	7,754	4	857	123	11,839	0	20,614	0	--	--	--
2014	0	4	55	7,209	3	948	122	11,981	0	20,317	0	--	--	--
2015	0	4	57	6,666	4	854	129	12,276	0	19,986	0	--	--	--
2016	0	5	49	7,068	4	1,090	125	12,488	0	20,825	0	--	--	--
2017	0	4	44	7,368	5	1,302	116	12,466	0	21,300	0	--	--	--
2018	0	4	49	7,507	10	R 1,327	110	12,279	0	R 21,283	0	--	--	--
2019	0	3	46	7,456	9	R 1,175	106	12,307	0	R 21,099	0	--	--	--
2020	0	3	48	8,127	14	R 1,305	105	11,521	0	R 21,121	0	--	--	--
2021	0	3	48	7,435	3	R 1,329	106	12,642	0	R 21,565	0	--	--	--
2022	0	3	49	R 7,345	9	R 1,188	111	12,502	0	R 21,205	0	--	--	--
2023	0	2	47	7,172	7	1,496	79	12,253	0	21,057	0	--	--	--

Trillion Btu														
1960	(s)	0.5	5.1	16.5	0.1	1.4	0.8	31.4	2.4	57.7	0.0	58.2	0.0	58.2
1965	(s)	0.4	1.6	15.6	0.1	2.1	0.9	35.1	2.0	57.3	0.0	57.8	0.0	57.8
1970	(s)	0.7	0.2	17.6	0.1	3.6	0.9	44.2	0.7	67.4	0.0	68.1	0.0	68.1
1975	(s)	1.8	0.4	22.3	0.2	4.6	1.0	50.9	1.0	80.4	0.0	82.2	0.0	82.2
1980	0.0	2.9	0.8	27.7	0.2	5.2	1.2	51.0	0.0	86.0	0.0	88.9	0.0	88.9
1985	0.0	2.2	0.5	24.1	0.2	3.8	1.1	49.6	(s)	79.2	0.0	81.5	0.0	81.5
1990	0.0	2.1	0.6	23.3	0.3	4.0	1.2	50.6	0.0	79.8	0.0	82.0	0.0	82.0
1995	0.0	4.1	0.4	31.4	0.1	5.9	1.2	55.5	0.0	94.4	0.0	98.5	0.0	98.5
2000	0.0	7.9	0.7	33.8	(s)	4.2	1.2	57.9	0.0	97.9	0.0	105.8	0.0	105.8
2005	0.0	8.3	0.2	44.2	0.1	6.3	1.0	57.7	0.0	109.6	0.0	117.9	0.0	117.9
2006	0.0	7.7	0.4	47.1	0.1	5.9	1.0	58.3	0.2	113.1	0.0	120.9	0.0	120.9
2007	0.0	7.9	0.4	52.1	(s)	5.8	1.1	59.5	0.0	118.9	0.0	126.8	0.0	126.8
2008	0.0	7.4	0.5	46.6	0.1	4.7	1.0	57.4	0.0	110.3	0.0	117.8	0.0	117.8
2009	0.0	5.1	0.4	43.1	(s)	4.5	0.9	58.4	0.0	R 107.3	0.0	R 112.4	0.0	R 112.4
2010	0.0	7.5	0.2	43.2	(s)	6.4	0.8	58.8	0.0	109.4	0.0	116.9	0.0	116.9
2011	0.0	7.0	0.2	45.8	(s)	6.3	0.8	57.8	0.0	110.9	0.0	117.9	0.0	117.9
2012	0.0	7.2	0.2	R 41.8	(s)	6.4	0.7	58.7	0.0	R 107.8	0.0	R 115.0	0.0	R 115.0
2013	0.0	7.0	0.2	R 44.8	(s)	4.9	0.7	59.9	0.0	R 110.5	0.0	R 117.5	0.0	R 117.5
2014	0.0	4.2	0.3	R 41.6	(s)	5.4	0.7	60.6	0.0	R 108.6	0.0	R 112.9	0.0	R 112.9
2015	0.0	4.6	0.3	R 38.5	(s)	4.8	0.8	62.1	0.0	R 106.5	0.0	111.1	0.0	111.1
2016	0.0	4.8	0.2	R 40.8	(s)	6.2	0.8	63.1	0.0	R 111.1	0.0	R 115.9	0.0	R 115.9
2017	0.0	3.9	0.2	R 42.5	(s)	R 7.4	0.7	63.0	0.0	R 113.8	0.0	R 117.8	0.0	R 117.8
2018	0.0	4.5	0.2	R 43.3	(s)	R 7.5	0.7	62.1	0.0	R 113.9	0.0	R 118.4	0.0	R 118.4
2019	0.0	3.6	0.2	R 43.0	(s)	6.7	0.6	62.2	0.0	R 112.8	0.0	116.3	0.0	116.3
2020	0.0	3.5	0.2	R 46.9	0.1	7.4	0.6	58.2	0.0	113.4	0.0	R 117.0	0.0	R 117.0
2021	0.0	3.1	0.2	R 42.9	(s)	R 7.5	0.7	63.8	0.0	115.2	0.0	118.3	0.0	118.3
2022	0.0	2.6	0.2	R 42.4	(s)	R 6.7	0.6	63.1	0.0	R 113.2	0.0	R 115.8	0.0	R 115.8
2023	0.0	2.4	0.2	41.4	(s)	8.5	0.5	61.9	0.0	112.5	0.0	114.9	0.0	114.9

^a Transportation use of natural gas to operate pipelines and, since 1990, also includes vehicle fuel.

^b Beginning in 2009, includes biodiesel blended into distillate fuel oil. Beginning in 2011, includes renewable diesel blended into distillate fuel oil.

^c Hydrocarbon gas liquids, assumed to be propane only.

^d Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Industrial sector, Other petroleum." There is a discontinuity in this time series between 2009 and 2010 because of data source and methodology changes, see technical notes.

^e Beginning in 1993, includes fuel ethanol blended into motor gasoline.

^f Beginning in 2021, includes other petroleum products (biofuels product supplied) not shown separately.

^g Electricity sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers. Sales to public railroads and railway systems only. Excludes electric vehicles.

^h There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of fuel ethanol beginning in 1981.

ⁱ For 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.

^j 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.

-- = Not applicable.

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 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.

<https://www.eia.gov/state/seds/>

Table CT8. Electric power sector consumption estimates, selected years, 1960-2023, Montana

Year	Coal	Natural gas ^a	Petroleum				Nuclear electric power	Hydroelectric power ^d	Biomass	Geothermal ^f	Solar ^{f,g}	Wind ^f	Electricity net imports ^h	Total ^{f,i}
			Distillate fuel oil ^b	Petroleum coke	Residual fuel oil ^c	Total			Wood and waste ^{e,f}					
	Thousand short tons	Billion cubic feet	Thousand barrels				Million kilowatthours			Million kilowatthours				
1960	187	(s)	(s)	0	(s)	(s)	0	5,801	--	0	NA	NA	-1	--
1965	296	2	(s)	0	1	1	0	8,389	--	0	NA	NA	-1	--
1970	723	3	(s)	0	26	26	0	8,745	--	0	NA	NA	-1	--
1975	1,089	1	1	0	53	54	0	10,166	--	0	NA	NA	-2	--
1980	3,352	4	59	0	0	59	0	9,966	--	0	NA	NA	-2	--
1985	5,480	(s)	38	0	0	38	0	10,175	--	0	0	(s)	70	--
1990	9,573	(s)	63	0	0	63	0	10,717	--	0	0	0	47	--
1995	9,641	(s)	57	1,222	0	1,278	0	10,746	--	0	0	0	(s)	--
2000	10,385	(s)	41	1,356	0	1,397	0	9,623	--	0	0	0	-3	--
2005	11,588	(s)	18	1,258	0	1,276	0	9,587	--	0	0	0	9	--
2006	11,302	1	25	1,279	0	1,303	0	10,130	--	0	0	436	-214	--
2007	11,929	1	21	1,244	0	1,264	0	9,364	--	0	0	496	-54	--
2008	12,012	1	14	1,164	0	1,178	0	10,000	--	0	0	593	-248	--
2009	10,151	1	17	1,348	0	1,366	0	9,506	--	0	0	821	-288	--
2010	12,005	1	17	1,138	0	1,154	0	9,415	--	0	0	930	-375	--
2011	9,758	5	28	1,320	0	1,348	0	12,596	--	0	0	1,265	-369	--
2012	9,057	5	14	1,344	0	1,358	0	11,283	--	0	0	1,262	-175	--
2013	9,562	7	19	1,323	0	1,342	0	9,638	--	0	0	1,755	-348	--
2014	10,180	6	45	1,208	0	1,253	0	11,483	--	0	0	1,974	-979	--
2015	10,277	7	12	1,458	0	1,470	0	9,888	--	0	0	1,965	-174	--
2016	9,328	5	21	1,365	0	1,386	0	10,083	--	0	0	2,140	124	--
2017	8,944	5	15	1,386	0	1,401	0	10,946	--	14	2,155	191	--	
2018	8,733	5	24	1,236	0	1,260	0	11,405	--	34	2,153	-493	--	
2019	9,275	5	23	1,278	0	1,301	0	10,005	--	0	29	2,373	-793	--
2020	5,624	3	19	1,326	0	1,345	0	10,748	--	0	33	3,059	-1,154	--
2021	6,908	6	18	1,339	0	1,357	0	9,258	--	0	33	3,473	-1,198	--
2022	7,395	8	23	1,277	0	1,300	0	9,886	--	0	32	4,022	-1,140	--
2023	7,368	10	18	1,369	0	1,387	0	8,792	--	0	240	4,557	-650	--

Trillion Btu

1960	2.5	0.4	(s)	0.0	(s)	(s)	0.0	19.8	0.0	0.0	NA	NA	(s)	22.7
1965	3.9	2.0	(s)	0.0	(s)	(s)	0.0	28.6	0.4	0.0	NA	NA	(s)	34.9
1970	11.2	2.6	(s)	0.0	0.2	0.2	0.0	29.8	0.8	0.0	NA	NA	(s)	44.6
1975	17.4	1.2	(s)	0.0	0.3	0.3	0.0	34.7	0.1	0.0	NA	NA	(s)	53.8
1980	57.0	4.4	0.3	0.0	0.0	0.3	0.0	34.0	0.2	0.0	NA	NA	(s)	95.9
1985	94.8	0.6	0.2	0.0	0.0	0.2	0.0	34.7	0.6	0.0	0.0	(s)	0.2	131.2
1990	163.7	0.5	0.4	0.0	0.0	0.4	0.0	36.6	0.8	0.0	0.0	0.0	0.2	202.1
1995	163.8	0.4	0.3	7.4	0.0	7.7	0.0	36.7	0.0	0.0	0.0	0.0	(s)	208.6
2000	174.1	0.2	0.2	8.2	0.0	8.4	0.0	32.8	0.0	0.0	0.0	0.0	(s)	215.5
2005	195.6	0.2	0.1	7.2	0.0	7.3	0.0	32.7	0.0	0.0	0.0	0.0	(s)	235.8
2006	190.5	0.5	0.1	7.3	0.0	7.5	0.0	34.6	0.0	0.0	0.0	1.5	-0.7	233.8
2007	200.8	1.0	0.1	7.1	0.0	7.2	0.0	32.0	0.0	0.0	0.0	1.7	-0.2	242.6
2008	201.6	0.5	0.1	6.7	0.0	6.7	0.0	34.1	0.0	0.0	0.0	2.0	-0.8	244.2
2009	171.7	0.7	0.1	7.7	0.0	7.8	0.0	32.4	0.0	0.0	0.0	2.8	-1.0	214.4
2010	202.0	0.7	0.1	6.5	0.0	6.6	0.0	32.1	0.0	0.0	0.0	3.2	-1.3	243.4
2011	164.2	4.8	0.2	7.5	0.0	7.7	0.0	43.0	0.0	0.0	0.0	4.3	-1.3	222.7
2012	153.0	5.5	0.1	7.7	0.0	7.8	0.0	38.5	0.0	0.0	0.0	4.3	-0.6	208.5
2013	161.6	7.4	0.1	7.6	0.0	7.7	0.0	32.9	0.0	0.0	0.0	6.0	-1.2	214.4
2014	170.5	5.8	0.3	6.9	0.0	7.2	0.0	39.2	0.0	0.0	0.0	6.7	-3.3	226.0
2015	173.4	6.7	0.1	8.3	0.0	8.4	0.0	33.7	0.0	0.0	0.0	6.7	-0.6	228.4
2016	157.2	5.5	0.1	7.8	0.0	7.9	0.0	34.4	0.0	0.0	0.0	7.3	0.4	212.8
2017	151.5	4.8	0.1	7.9	0.0	8.0	0.0	37.3	0.0	0.0	(s)	7.4	0.7	209.8
2018	147.9	5.3	0.1	7.1	0.0	7.2	0.0	38.9	0.0	0.0	0.1	7.3	-1.7	205.2
2019	155.6	5.7	0.1	7.3	0.0	7.4	0.0	34.1	0.0	0.0	0.1	8.1	-2.7	208.4
2020	95.3	3.6	0.1	7.6	0.0	7.7	0.0	36.7	0.1	0.0	0.1	10.4	-3.9	149.9
2021	118.6	5.9	0.1	7.7	0.0	7.8	0.0	31.6	0.1	0.0	0.1	11.8	-4.1	171.8
2022	126.8	8.1	0.1	7.3	0.0	7.4	0.0	33.7	0.1	0.0	0.1	13.7	-3.9	186.0
2023	126.7	10.8	0.1	7.8	0.0	7.9	0.0	30.0	0.1	0.0	0.8	15.5	-2.2	189.6

^a Includes supplemental gaseous fuels that are commingled with natural gas.^b Excludes biodiesel. Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. For 1980 through 2000, distillate fuel oil includes fuel oil Nos. 1 and 2, and small amounts of kerosene and jet fuel.^c Prior to 1980, based on oil used in steam plants. For 1980 through 2000, residual fuel oil includes fuel oil Nos. 4, 5, and 6.^d Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.^e Wood, wood-derived fuels, and biomass waste. Beginning in 2006, includes small amount of other biomass liquids that are biodiesel. Prior to 2001, includes non-biomass waste.^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 Solar thermal and photovoltaic energy.^h Electricity traded with Canada and Mexico. Btu value calculated by converting net imports in kilowatthours by 3,412 Btu per kilowatthour.ⁱ 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 the total.

-- = Not applicable. NA = Not available.

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

Notes: - 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. - Through 1988, data are for electric utilities only. Beginning in 1989, data include independent power producers. - 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. <https://www.eia.gov/state/seds/>