

STATEMENT OF ENERGY PERFORMANCE

MT Tech-Centennial Hall
1225 Broadway
Butte MT 59701

Date: 8/24/2021
Year Built: 1999
Parent: UM Montana Tech Campus

	Baseline:	2012	2015	2017	2018	2019	Current:
Energy Date:	12/31/2007	12/31/2012	12/31/2015	12/31/2017	12/31/2018	12/31/2019	12/31/2020
Energy Star Score:	54	60	53	58	64	60	59
Gross Floor Area:	33,879	33,879	33,879	33,879	33,879	33,879	33,879 Sq. Ft.
Heating Degree Days	6778	7046	6715	7862	7820	8591	6940
Cooling Degree Days	730	517	551	731	432	398	506

Reported Annual Energy Use:

Site Energy Use:	3359.3	3272.6	3390.9	3570.6	3278.9	3876.0	3210.5 MBTU
Site EUI:	99,156	96,598	100,088	105,394	96,782	114,407	94,763 BTU/ft2
Electricity:	309,296	293,020	307,213	325,472	316,097	317,534	302,061 kWh
Max Electric Demand:	75.0	71.0	73.0	73.0	78.7	80.6	67.2 kW
Natural Gas:	23,040	22,728	23,427	24,601	22,004	27,926	21,799 Therms

Reported Annual Energy Cost:

Electricity Cost:	\$26,272	\$27,452	\$31,935	\$32,879	\$31,615	\$32,833	\$31,350
Electric Demand Cost:	\$6,881	\$6,793	\$7,288	\$7,792	\$7,672	\$7,983	\$7,575
Natural Gas Cost:	\$23,825	\$18,093	\$16,998	\$17,436	\$14,723	\$17,951	\$14,398
Total Energy Cost:	\$50,097	\$45,545	\$48,933	\$50,316	\$46,337	\$50,784	\$45,748
Energy Cost/ft2	\$1.479	\$1.344	\$1.444	\$1.485	\$1.368	\$1.499	\$1.350

Weather Normalized Energy Use:

Site Energy Use:	3579.5	3411.7	3593.1	3570.6	3238.2	3647.9	3345.1 MBTU
Site EUI:	105,654	100,701	106,057	105,394	95,581	107,674	98,736 BTU/ft2
Electricity:	309,296	293,020	307,213	325,472	316,097	317,534	302,061 kWh
Natural Gas:	25,241	24,119	25,449	24,601	21,597	25,645	23,144 Therms

National Median Energy Use:

Site Energy Use:	3530.1	3658.3	3527.8	3937.6	3845.8	4379.3	3559.6 MBTU
Site EUI:	104,197	107,980	104,130	116,224	113,516	129,263	105,067 BTU/ft2

% Difference from National Median:

Site EUI:	-4.84%	-10.54%	-3.88%	-9.32%	-14.74%	-11.49%	-9.81%
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Annual Greenhouse Gas Emissions (Metric Tons CO2 equivalent):

Direct Emissions:	122.4	120.7	124.4	130.7	116.9	148.3	115.8
Indirect Emissions:	90.3	85.6	89.6	95.0	92.2	92.7	88.1
Total Emissions:	212.6	206.2	214.1	225.6	209.1	241.0	203.9

National Median Annual Greenhouse Gas Emissions (Metric Tons CO2 equivalent):

Total Emissions:	223.4	230.5	222.7	248.8	245.3	272.3	226.1
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Adjusted Energy Based on Current Year:

Site Energy Use:	3412.9	3238.9	3466.3	3262.9	3008.7	3298.4	3210.5 MBTU
Site EUI:	100,739	95,602	102,314	96,312	88,806	97,358	94,763 BTU/ft2

% Difference Adjusted Site Energy Use

2012 to Baseline	-5.10%
2015 to Baseline	1.56%
2017 to Baseline	-4.39%
2018 to Baseline	-11.85%
2019 to Baseline	-3.36%
Current to Baseline	-5.93%
2019 to 2020	-2.66%

Note: N/A has meanings as follows:

Energy Star Score: Not available for this type of property

Adjusted Energy Use: Not available for this property

Most other data: Not available due to insufficient or missing data