

STATEMENT OF ENERGY PERFORMANCE

MT Tech-Centennial Hall
1300 W Park Street
Butte, MT 59701

Date: 11/29/2023
Year Built: 1999
Parent: UM Montana Tech Campus

	Baseline:	2014	2017	2019	2020	2021	Current:
Energy Date:	12/31/2007	12/31/2014	12/31/2017	12/31/2019	12/31/2020	12/31/2021	12/31/2022
Energy Star Score:	54	53	58	60	59	54	63
Gross Floor Area:	33,879	33,879	33,879	33,879	33,879	33,879	33,879 Sq. Ft.
Heating Degree Days	6778	7428	7862	8591	6940	6908	7804
Cooling Degree Days	730	469	731	398	506	792	720

Reported Annual Energy Use:

Site Energy Use:	3359.3	3649.5	3570.6	3876.0	3210.5	3438.1	3482.5 MBTU
Site EUI:	99.2	107.7	105.4	114.4	94.8	101.5	102.8 kBTU/ft2
Electricity:	309,296	332,945	325,472	317,534	302,061	310,696	283,090 kWh
Max Electric Demand:	75.0	71.0	73.0	80.6	67.2	94.1	61.4 kW
Natural Gas:	23,040	25,135	24,601	27,926	21,799	23,780	25,166 Therms

Reported Annual Energy Cost:

Electricity Cost:	\$26,272	\$32,621	\$32,879	\$32,833	\$31,350	\$32,323	\$30,070
Electric Demand Cost:	\$6,881	\$7,581	\$7,792	\$7,983	\$7,575	N/A	N/A
Natural Gas Cost:	\$23,825	\$21,837	\$17,436	\$17,951	\$14,398	\$19,464	\$23,248
Total Energy Cost:	\$50,097	\$54,457	\$50,316	\$50,784	\$45,748	\$51,787	\$53,318
Energy Cost/ft2	\$1.48	\$1.61	\$1.49	\$1.50	\$1.35	\$1.53	\$1.57

Weather Normalized Energy Use:

Site Energy Use:	3579.5	3658.0	3570.6	3647.9	3345.1	3592.7	3491.9 MBTU
Site EUI:	105.7	108.0	105.4	107.7	98.7	106.0	103.1 kBTU/ft2
Electricity:	309,296	332,945	325,472	317,534	302,061	310,696	283,090 kWh
Natural Gas:	25,241	25,220	24,601	25,645	23,144	25,326	25,260 Therms

National Median Energy Use:

Site Energy Use:	3530.1	3773.1	3937.6	4379.3	3559.6	3598.0	4065.5 kBTU
Site EUI:	104.2	111.4	116.2	129.3	105.1	106.2	120.0 kBTU/ft2

% Difference from National Median:

Site EUI:	-4.8%	-3.3%	-9.3%	-11.5%	-9.8%	-4.4%	-14.3%
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Annual Greenhouse Gas Emissions (Metric Tons CO2 equivalent):

Direct Emissions:	122.3	133.5	130.7	148.3	115.8	126.3	133.7
Indirect Emissions:	121.1	137.9	96.8	103.7	82.7	90.0	82.0
Total Emissions:	243.4	271.4	227.4	252.0	198.5	216.3	215.7

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

Total Emissions:	255.8	280.6	250.8	284.7	220.1	226.4	251.8
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Adjusted Energy Based on Current Year:

Site Energy Use:	3713.7	3786.1	3550.5	3589.0	3493.4	3752.7	3482.5 kBTU
Site EUI:	109.6	111.8	104.8	105.9	103.1	110.8	102.8 kBTU/ft2

% Difference Adjusted Site Energy Use

2014 to Baseline	1.95%
2017 to Baseline	-4.39%
2019 to Baseline	-3.36%
2020 to Baseline	-5.93%
2021 to Baseline	1.05%
Current to Baseline	-6.22%
2021 to 2022	-7.20%

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