

STATEMENT OF ENERGY PERFORMANCE

MSU-N Pump House
Various
Havre, MT 59501

Date: 11/29/2023
Year Built: 1985
Parent: MSU Northern 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:	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Gross Floor Area:	100	100	100	100	100	100	100 Sq. Ft.
Heating Degree Days	7661	8314	7985	9297	7803	7811	8341
Cooling Degree Days	610	411	602	339	459	711	696

Reported Annual Energy Use:

Site Energy Use:	29.8	77.2	47.9	41.7	30.0	53.2	52.7 MBTU
Site EUI:	297.8	771.8	479.4	417.0	299.8	532.0	526.7 kBTU/ft2
Electricity:	8,728	22,619	14,050	12,222	8,786	15,592	15,438 kWh
Max Electric Demand:	20.0	20.4	21.1	19.1	17.4	19.7	21.0 kW
Natural Gas:	N/A	N/A	N/A	N/A	N/A	N/A	N/A Therms

Reported Annual Energy Cost:

Electricity Cost:	\$1,478	\$3,196	\$2,570	\$2,060	\$1,943	\$2,454	\$2,544
Electric Demand Cost:	\$822	\$1,396	\$1,394	\$1,026	\$1,153	N/A	N/A
Natural Gas Cost:	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Energy Cost:	\$1,478	\$3,196	\$2,570	\$2,060	\$1,943	\$2,454	\$2,544
Energy Cost/ft2	\$14.78	\$31.96	\$25.70	\$20.60	\$19.43	\$24.54	\$25.44

Weather Normalized Energy Use:

Site Energy Use:	27.1	72.7	44.7	41.7	30.6	51.0	45.1 MBTU
Site EUI:	270.8	726.9	447.2	417.0	305.7	510.0	451.3 kBTU/ft2
Electricity:	7,936	21,304	13,105	12,222	8,960	14,947	13,226 kWh
Natural Gas:	N/A	N/A	N/A	N/A	N/A	N/A	N/A Therms

National Median Energy Use:

Site Energy Use:	3.2	3.2	3.2	3.2	3.2	3.2	3.2 kBTU
Site EUI:	31.9	31.9	31.9	31.9	31.9	31.9	31.9 kBTU/ft2

% Difference from National Median:

Site EUI:	834%	2320.6%	1403.6%	1208.0%	840.2%	1568.5%	1552.1%
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Annual Greenhouse Gas Emissions (Metric Tons CO2 equivalent):

Direct Emissions:	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Indirect Emissions:	3.4	9.4	4.2	4.0	2.4	4.5	4.5
Total Emissions:	3.4	9.4	4.2	4.0	2.4	4.5	4.5

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

Total Emissions:	0.4	0.4	0.3	0.3	0.3	0.3	0.3
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Adjusted Energy Based on Current Year:

Site Energy Use:	N/A	N/A	N/A	N/A	N/A	N/A	N/A kBTU
Site EUI:	N/A	N/A	N/A	N/A	N/A	N/A	N/A kBTU/ft2

% Difference Adjusted Site Energy Use

2014 to Baseline	N/A	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
2017 to Baseline	N/A	
2019 to Baseline	N/A	
2020 to Baseline	N/A	
2021 to Baseline	N/A	
Current to Baseline	N/A	
2021 to 2022	N/A	