

STATEMENT OF ENERGY PERFORMANCE

Montana Historical Society
225 North Roberts
Helena, MT 59620

Date: 11/22/2023
Year Built: 1950
Parent: N/A

	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:	95,942	95,942	95,942	95,942	95,942	95,942	95,942 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:	8078.8	6784.4	7736.5	7432.0	6625.4	7556.5	7957.5 MBTU
Site EUI:	84.2	70.7	80.6	77.5	69.1	78.8	82.9 kBTU/ft2
Electricity:	685,184	540,860	542,061	523,748	508,900	698,269	659,887 kWh
Max Electric Demand:	232.0	184.8	177.6	172.0	164.0	164.8	169.6 kW
Natural Gas:	57,410	49,390	58,870	56,450	48,890	51,740	57,060 Therms
Reported Annual Energy Cost:							
Electricity Cost:	\$59,896	\$54,926	\$56,800	\$56,281	\$54,617	\$72,189	\$69,332
Electric Demand Cost:	\$16,781	\$14,208	\$14,795	\$15,287	\$14,462	\$371	N/A
Natural Gas Cost:	\$55,863	\$33,371	\$34,982	\$27,053	\$24,562	\$26,443	\$30,597
Total Energy Cost:	\$115,760	\$88,297	\$91,782	\$83,335	\$79,179	\$98,632	\$99,929
Energy Cost/ft2	\$1.21	\$0.92	\$0.96	\$0.87	\$0.83	\$1.03	\$1.04
Weather Normalized Energy Use:							
Site Energy Use:	8503.9	6775.1	7598.8	6764.4	7012.4	7985.3	7899.9 MBTU
Site EUI:	88.6	70.6	79.2	70.5	73.1	83.2	82.3 kBTU/ft2
Electricity:	662,887	534,787	530,393	521,691	500,381	685,580	644,411 kWh
Natural Gas:	62,454	49,504	57,891	49,844	53,051	56,461	57,012 Therms
National Median Energy Use:							
Site Energy Use:	6904.5	7042.0	7318.5	7306.4	7123.1	6709.0	6954.8 kBTU
Site EUI:	72.0	73.4	76.3	76.2	74.2	69.9	72.5 kBTU/ft2
% Difference from National Median:							
Site EUI:	17.0%	-3.7%	5.7%	1.7%	-7.0%	12.6%	14.4%
Annual Greenhouse Gas Emissions (Metric Tons CO2 equivalent):							
Direct Emissions:	304.7	262.3	312.7	299.8	259.7	274.8	303.1
Indirect Emissions:	268.3	224.1	161.1	171.0	139.4	202.2	191.1
Total Emissions:	573.0	486.4	473.8	470.8	399.0	477.0	494.2
National Median Annual Greenhouse Gas Emissions (Metric Tons CO2 equivalent):							
Total Emissions:	489.7	504.9	448.2	462.9	429.0	423.5	431.9
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						