

STATEMENT OF ENERGY PERFORMANCE

Montana State Prison
400 Conley Lake Road
Deer Lodge, MT 59722

Date: 11/27/2023
Year Built: 1975
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:	765,407	778,392	789,310	789,310	789,310	789,310	789,310 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:	111584.7	112612.2	113107.6	112273.2	99893.0	96595.7	97413.6 MBTU
Site EUI:	145.8	144.7	143.3	142.2	126.6	122.4	123.4 kBTU/ft2
Electricity:	8,938,647	8,627,264	7,622,694	7,610,549	7,226,834	6,969,730	7,109,210 kWh
Max Electric Demand:	1638.0	1603.0	1490.0	1421.0	1334.0	2192.0	1402.0 kW
Natural Gas:	810,860	831,760	870,990	863,060	752,350	728,150	731,570 Therms

Reported Annual Energy Cost:

Electricity Cost:	\$654,920	\$754,991	\$706,689	\$734,839	\$690,820	\$665,650	\$698,502
Electric Demand Cost:	\$136,573	\$132,560	\$130,489	\$137,880	\$118,183	\$890	N/A
Natural Gas Cost:	\$675,622	\$436,536	\$408,288	\$277,140	\$248,952	\$280,654	\$327,856
Total Energy Cost:	\$1,330,542	\$1,191,527	\$1,114,977	\$1,011,978	\$939,772	\$946,305	\$1,026,358
Energy Cost/ft2	\$1.74	\$1.53	\$1.41	\$1.28	\$1.19	\$1.20	\$1.30

Weather Normalized Energy Use:

Site Energy Use:	116475.7	113393.7	112973.5	106467.4	103837.8	101556.1	97051.7 MBTU
Site EUI:	152.2	145.7	143.1	134.9	131.6	128.7	123.0 kBTU/ft2
Electricity:	9,040,305	8,634,746	7,583,392	7,508,359	7,291,754	7,016,453	7,058,755 kWh
Natural Gas:	856,302	839,320	870,990	808,488	789,583	776,159	729,673 Therms

National Median Energy Use:

Site Energy Use:	78310.9	80742.3	84977.3	84840.3	83281.6	83346.1	83069.5 kBTU
Site EUI:	102.3	103.7	107.7	107.5	105.5	105.6	105.2 kBTU/ft2

% Difference from National Median:

Site EUI:	42.5%	39.5%	33.1%	32.3%	19.9%	15.9%	17.3%
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Annual Greenhouse Gas Emissions (Metric Tons CO2 equivalent):

Direct Emissions:	4303.4	4417.9	4626.2	4584.1	3996.1	3867.6	3885.7
Indirect Emissions:	3500.4	3574.3	2266.0	2485.0	1979.2	2018.6	2059.0
Total Emissions:	7803.8	7992.2	6892.3	7069.1	5975.2	5886.1	5944.7

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

Total Emissions:	5476.7	5730.4	5178.1	5341.8	4981.6	5078.7	5069.3
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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	