

# STATEMENT OF ENERGY PERFORMANCE

UM Montana Tech Campus  
1300 W. Park Street  
Butte MT 59701

Date: 8/24/2021  
Year Built: 1935  
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:  | N/A        | N/A        | N/A        | N/A        | N/A        | N/A        | N/A             |
| Gross Floor Area:   | 679,939    | 742,513    | 742,513    | 784,003    | 784,003    | 784,003    | 784,003 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:     | 66811.0   | 68278.3   | 66832.7   | 67329.9   | 70836.5   | 75256.1   | 70487.9 MBTU   |
| Site EUI:            | 98,260    | 91,956    | 90,009    | 85,880    | 90,352    | 95,990    | 89,908 BTU/ft2 |
| Electricity:         | 6,858,744 | 7,388,712 | 7,252,548 | 7,120,722 | 7,313,450 | 7,682,048 | 7,588,189 kWh  |
| Max Electric Demand: | 1273.0    | 1273.0    | 1374.0    | 1403.0    | 1380.0    | 1439.0    | 1416.0 kW      |
| Natural Gas:         | 434,090   | 430,680   | 420,870   | 430,340   | 458,830   | 490,450   | 445,970 Therms |

## Reported Annual Energy Cost:

|                       |           |           |           |           |           |           |           |
|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Electricity Cost:     | \$506,906 | \$604,653 | \$679,539 | \$662,851 | \$663,721 | \$737,317 | \$723,826 |
| Electric Demand Cost: | \$105,093 | \$107,699 | \$112,034 | \$124,228 | \$123,118 | \$134,321 | \$122,640 |
| Natural Gas Cost:     | \$402,465 | \$314,854 | \$245,583 | \$234,151 | \$214,282 | \$207,792 | \$190,954 |
| Total Energy Cost:    | \$909,372 | \$919,508 | \$925,122 | \$897,002 | \$878,004 | \$945,110 | \$914,781 |
| Energy Cost/ft2       | \$1.337   | \$1.238   | \$1.246   | \$1.144   | \$1.120   | \$1.205   | \$1.167   |

## Weather Normalized Energy Use:

|                  |           |           |           |           |           |           |                |
|------------------|-----------|-----------|-----------|-----------|-----------|-----------|----------------|
| Site Energy Use: | 70871.7   | 70836.2   | 70504.4   | 67329.9   | 69655.1   | 71348.8   | 73270.6 MBTU   |
| Site EUI:        | 104,232   | 95,401    | 94,954    | 85,880    | 88,845    | 91,006    | 93,457 BTU/ft2 |
| Electricity:     | 6,905,236 | 7,418,987 | 7,252,548 | 7,120,722 | 7,313,450 | 7,682,048 | 7,588,189 kWh  |
| Natural Gas:     | 473,111   | 455,226   | 457,587   | 430,340   | 447,016   | 451,377   | 473,797 Therms |

## National Median Energy Use:

|                  |         |         |         |         |         |         |                 |
|------------------|---------|---------|---------|---------|---------|---------|-----------------|
| Site Energy Use: | 73846.9 | 79065.7 | 78981.4 | 84211.9 | 84970.6 | 85326.9 | 83649.3 MBTU    |
| Site EUI:        | 108,608 | 106,484 | 106,370 | 107,413 | 108,380 | 108,835 | 106,695 BTU/ft2 |

## % Difference from National Median:

|           |        |         |         |         |         |         |         |
|-----------|--------|---------|---------|---------|---------|---------|---------|
| Site EUI: | -9.53% | -13.64% | -15.38% | -20.05% | -16.63% | -11.80% | -15.73% |
|-----------|--------|---------|---------|---------|---------|---------|---------|

## Annual Greenhouse Gas Emissions (Metric Tons CO2 equivalent):

|                     |        |        |        |        |        |        |        |
|---------------------|--------|--------|--------|--------|--------|--------|--------|
| Direct Emissions:   | 2305.7 | 2287.5 | 2235.4 | 2285.7 | 2437.1 | 2605.0 | 2368.8 |
| Indirect Emissions: | 2001.5 | 2045.1 | 2116.4 | 2077.9 | 2134.2 | 2241.7 | 2214.3 |
| Total Emissions:    | 4307.1 | 4443.7 | 4351.8 | 4363.7 | 4571.2 | 4846.7 | 4583.1 |

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

|                  |        |        |        |        |        |        |        |
|------------------|--------|--------|--------|--------|--------|--------|--------|
| Total Emissions: | 4760.7 | 5145.7 | 5142.9 | 5457.8 | 5483.3 | 5495.3 | 5438.8 |
|------------------|--------|--------|--------|--------|--------|--------|--------|

## Adjusted Energy Based on Current Year:

|                  |     |     |     |     |     |     |             |
|------------------|-----|-----|-----|-----|-----|-----|-------------|
| Site Energy Use: | N/A | N/A | N/A | N/A | N/A | N/A | N/A MBTU    |
| Site EUI:        | N/A | N/A | N/A | N/A | N/A | N/A | N/A BTU/ft2 |

## % Difference Adjusted Site Energy Use

|                     |     |
|---------------------|-----|
| 2012 to Baseline    | N/A |
| 2015 to Baseline    | N/A |
| 2017 to Baseline    | N/A |
| 2018 to Baseline    | N/A |
| 2019 to Baseline    | N/A |
| Current to Baseline | N/A |
| 2019 to 2020        | 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